
COURSE PRESCRIPTIONS

The Course Prescriptions contain approved University of Auckland courses. Before selecting courses from this Calendar, students and potential students are advised to ascertain which courses are expected to be offered in this Academic Year and in which semester they are scheduled by referring to the Class Search on Student Services Online, or by contacting their Student Hub.

Where courses in the following Course Prescriptions are listed with an 'A' and a 'B' option, this means that, if they are offered, they will be taught over two semesters and students must enrol in both Part A and Part B in order to complete and, where successful, be credited with the course. Courses with no 'A' or 'B' designation are taught over one semester.

The Prescriptions are listed by faculty, in alpha-numeric order by subject title and should be read in conjunction with the relevant regulations.

Calculating a Grade Point Average

Grade Point Averages (GPA) are calculated using the following scale. Courses are weighted based on points value, and the exact formula may vary from programme-to-programme.

9 for A+	4 for B-
8 for A	3 for C+
7 for A-	2 for C
6 for B+	1 for C-
5 for B	0 for D+, D, D- or F

More details about GPAs are available online at https://uoa.custhelp.com/app/answers/detail/a_id/2454/.

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Index of Course Codes

This list indexes course codes alphabetically and shows the titles of the subjects related to them. The faculty column shows where the course prescription can be found.

Course Code	Title	Faculty
	Language Study Abroad	Arts and Education
ACADENG	Academic English Studies	Arts and Education
ACADINT	Academic Integrity	The University of Auckland
ACCTG	Accounting	Business and Economics
AEROSPCE	Aerospace Engineering	Engineering and Design
ANCIENT	Classical Studies and Ancient History	Arts and Education
ANTHRO	Anthropology	Arts and Education
ARCHDES	Architectural Design	Engineering and Design
ARCHDRC	Architectural Media and Fabrication	Engineering and Design
ARCHGEN	Architecture – General	Engineering and Design
ARCHHTC	Architectural History, Theory and Criticism	Engineering and Design
ARCHPRM	Architectural Professional Studies	Engineering and Design
ARCHTECH	Architectural Technology and Sustainability	Engineering and Design
ARTHIST	Art History	Arts and Education
ARTSCHOL	Arts Scholars	Arts and Education
ARTSGEN	Arts General	Arts and Education
ASIAN	Asian Studies	Arts and Education
ASTRO	Astrosciences	Science
AUDIOL	Audiology	Medical and Health Sciences
BIOENG	Bioengineering	Engineering and Design
BIOINF	Bioinformatics	Science
BIOMENG	Biomedical Engineering	Engineering and Design
BIOMED	Biomedical Science	Science
BIOSCI	Biological Sciences	Science
BIOSEC	Biosecurity and Conservation	Science
BIOTECH	Biotechnology	Science
BLTENV	Built Environment	Engineering and Design
BUSACT	Business Accounting	Business and Economics
BUSADMIN	Business Administration	Business and Economics
BUSAN	Business Analytics	Business and Economics
BUSDEV	Business Development	Business and Economics
BUSFIN	Business Finance	Business and Economics
BUSHRM	Business Human Resource Management	Business and Economics
BUSINESS	Business	Business and Economics
BUSINFO	Business Information Analytics	Business and Economics

Course Code	Title	Faculty
BUSINT	Business International	Business and Economics
BUSMAN	Business Management	Business and Economics
BUSMBA	Business MBA	Business and Economics
BUSMGT	Business Management	Business and Economics
BUSMKT	Business Marketing	Business and Economics
CAREER	Career	Arts and Education
CHEM	Chemistry	Science
CHEMMAT	Chemical and Materials Engineering	Engineering and Design
CHINESE	Chinese	Arts and Education
CIVIL	Civil Engineering	Engineering and Design
CLINED	Clinical Education	Medical and Health Sciences
CLINIMAG	Clinical Imaging	Medical and Health Sciences
COMENT	Commercialisation and Entrepreneurship	Business and Economics
COMLAW	Commercial Law	Business and Economics
COMLAW	Commercial Law	Law
COMMS	Communication	Arts and Education
COMPLIT	Comparative Literature	Arts and Education
COMPSCI	Computer Science	Science
COMPSYS	Computer Systems Engineering	Engineering and Design
COOKIS	Cook Islands Māori	Arts and Education
CREWRIT	Creative Writing	Arts and Education
CRIM	Criminology	Arts and Education
CTFOUND	UoA Foundation Studies	The University of Auckland
DANCE	Dance Studies	Arts and Education
DATASCI	Data Science	Science
DESIGN	Design	Engineering and Design
DEVELOP	Development Studies	Arts and Education
DIETETIC	Dietetics	Medical and Health Sciences
DIGIHLTH	Digital Health	Medical and Health Sciences
DISABLTY	Disability Studies	Arts and Education
DISMGT	Disaster Management	Engineering and Design
DRAMA	Drama	Arts and Education
EARTHSCI	Earth Sciences	Science
ECOLOG	Ecology	Science
ECON	Economics	Business and Economics
EDCURRM	Education Curriculum Māori	Arts and Education
EDCURRPK	Education Curriculum Pasifika	Arts and Education
EDCURSEC	Education Curriculum Secondary Diploma	Arts and Education
EDCURRIC	Education Curriculum Studies	Arts and Education
EDPRAC	Education Practice	Arts and Education

Course Code	Title	Faculty
EDPRACM	Education Practice Māori	Arts and Education
EDPRACPK	Education Practice Pasifika	Arts and Education
EDPROF	Education Professional	Arts and Education
EDPROFST	Education Professional Studies	Arts and Education
EDPROFM	Education Professional Studies Māori	Arts and Education
EDPROFPK	Education Professional Studies Pasifika	Arts and Education
EDPSYCH	Educational Psychology	Arts and Education
EDUC	Education	Arts and Education
EDUCM	Education Māori	Arts and Education
EDUCN	Education Studies	Arts and Education
EDUCSW	Education and Social Work	Arts and Education
ELECTENG	Electrical and Electronic Engineering	Engineering and Design
ENERGY	Energy	Engineering and Design
ENGGEN	Engineering General	Engineering and Design
ENGLACP	English for Academic Purposes	Arts and Education
ENGLISH	English	Arts and Education
ENGSCI	Engineering Science	Engineering and Design
ENGWRIT	English Writing	Arts and Education
ENV	Environment	Science
ENVCHG	Environmental Change	Science
ENVENG	Environmental Engineering	Engineering and Design
ENVMGT	Environmental Management	Science
ENVPHYS	Environmental Physics	Science
ENVSCI	Environmental Science	Science
EUROPEAN	European Studies	Arts and Education
EXERSCI	Exercise Sciences	Science
FINANCE	Finance	Business and Economics
FINEARTS	Fine Arts	Arts and Education
FOODSCI	Food Science	Science
FORENSIC	Forensic Science	Science
FOUNDST	Foundation Studies	The University of Auckland
FRENCH	French	Arts and Education
GENDER	Gender Studies	Arts and Education
GISCI	Geographic Information Science	Science
GEOG	Geography	Science
GEOPHYS	Geophysics	Science
GEOTHERM	Energy Technology	Engineering and Design
GERMAN	German	Arts and Education
GLMI	Global Management and Innovation	Business and Economics
GLOBAL	Global Studies	Arts and Education

Course Code	Title	Faculty
HEALTHED	Health Education	Arts and Education
HERCONS	Heritage Conservation	Engineering and Design
HIGHED	Higher Education	Arts and Education
HISTORY	History	Arts and Education
HLTHMG	Health Management	Medical and Health Sciences
HLTHPSYC	Health Psychology	Medical and Health Sciences
HLTHSCI	Health Sciences	Medical and Health Sciences
HUMS	Humanities	Arts and Education
HUMSERV	Human Services	Arts and Education
INDIGEN	Indigenous Studies	Arts and Education
INFOGOV	Information Governance	Business and Economics
INFOMGMT	Information Management	Science
INFOSYS	Information Systems	Business and Economics
INNOVENT	Innovation and Entrepreneurship	Business and Economics
INTBUS	International Business	Business and Economics
INTERNSP	Internship	The University of Auckland
ITALIAN	Italian	Arts and Education
JUR	Juridical Science	Law
JAPANESE	Japanese	Arts and Education
KOREAN	Korean	Arts and Education
LANGTCHG	Language Teaching and Learning	Arts and Education
LATIN	Latin	Arts and Education
LATINAM	Latin American Studies	Arts and Education
LAW	Law	Law
LAWCOMM	Law Commercial	Law
LAWENVIR	Law Environmental	Law
LAWGENRL	Law General	Law
LAWHONS	Law Honours	Law
LAWPUBL	Law Public	Law
LDGOV	Leadership and Governance	Business and Economics
LINGUIST	Linguistics	Arts and Education
LOGICOMP	Logic and Computation	Arts and Education
MĀORI	Māori Studies	Arts and Education
MAORIDEV	Māori Development	Business and Economics
MAORIHTH	Māori Health	Medical and Health Sciences
MARINE	Marine Science	Science
MĀTAU	Mātauranga	Arts and Education
MATHS	Mathematics	Science
MBCHB	MBChB	Medical and Health Sciences
MECHENG	Mechanical Engineering	Engineering and Design

Course Code	Title	Faculty
MECHTRON	Mechatronics Engineering	Engineering and Design
MEDIA	Media and Screen Studies	Arts and Education
MEDIMAGE	Medical Imaging	Medical and Health Sciences
MEDICINE	Medicine	Medical and Health Sciences
MEDSCI	Medical Science	Medical and Health Sciences
MGMT	Management	Business and Economics
MKTG	Marketing	Business and Economics
MUS	Music	Arts and Education
MUSEUMS	Museums and Cultural Heritage	Arts and Education
NURSING	Nursing	Medical and Health Sciences
NURSPRAC	Nursing Practice	Medical and Health Sciences
OBSTGYN	Obstetrics and Gynaecology	Medical and Health Sciences
OPHTHAL	Ophthalmology	Medical and Health Sciences
OPSMGT	Operations and Supply Chain Management	Business and Economics
OPTOM	Optometry and Vision Science	Medical and Health Sciences
PACIFIC	Pacific Studies	Arts and Education
PAEDS	Paediatrics	Medical and Health Sciences
PHARMACY	Pharmacy	Medical and Health Sciences
PHARMCOL	Pharmacology	Medical and Health Sciences
PHIL	Philosophy	Arts and Education
PHYSED	Physical Education	Arts and Education
PHYSICS	Physics	Science
PHYSIOL	Physiology	Medical and Health Sciences
POLICY	Public Policy	Arts and Education
POLITICS	Politics and International Relations	Arts and Education
POLYMER	Polymer Engineering	Engineering and Design
POPLHLTH	Population Health	Medical and Health Sciences
POPLPRAC	Population Health Practice	Medical and Health Sciences
PROFCOUN	Professional Counselling	Arts and Education
PROFSUPV	Professional Supervision	Arts and Education
PROPERTY	Property	Business and Economics
PROPPRAC	Property Practice	Business and Economics
PSYCH	Psychology	Science
PSYCHOL	Psychology	Science
PSYCHIAT	Psychiatry	Medical and Health Sciences
PŪTAIAO	Pūtaiao	Science
REGDEV	Regional Development	Arts and Education, Science
RUSSIAN	Russian	Arts and Education
SAMOAN	Samoan	Arts and Education
SCIENT	Science Enterprise	Science

Course Code	Title	Faculty
SCIGEN	Science General	Science
SCIGEN	Science Scholars	Science
SCREEN	Screen Production	Arts and Education
SOCCHFAM	Social Work Child and Family Practice	Arts and Education
SOCCLEAD	Social and Community Leadership	Arts and Education
SOCHLTH	Social Work Health Practice	Arts and Education
SOCIOL	Sociology	Arts and Education
SOCJUS	Social Justice	Arts and Education
SOCWORK	Social Work	Arts and Education
SOCYOUTH	Social Work Youth Practice	Arts and Education
SOFTENG	Software Engineering	Engineering and Design
SPANISH	Spanish	Arts and Education
SPCHSCI	Speech Science	Science
SPORT	Sport Studies	Arts and Education
SPORTHPE	Sport, Health and Physical Education	Arts and Education
STATS	Statistics	Science
STRCTENG	Structural Engineering	Engineering and Design
SUSTAIN	Sustainability	Science
TDAIS	Artificial Intelligence and Society	Transdisciplinary (Engineering and Design)
TDDEM	Democracy in the 21st Century	Transdisciplinary (Arts and Education)
TDENVF	Our Environmental Futures: Te Taiao Tāngata	Transdisciplinary (Science)
TDFOOD	The Future of Food	Transdisciplinary (Science)
TDMIGR	Migration Futures	Transdisciplinary (Medical and Health Sciences)
TDMOANA	Tagata Moana, Tangata Whenua: Hawaiki Futures	Transdisciplinary (Arts and Education)
TFCARTS	Tertiary Foundation Certificate Arts General	Arts and Education
TFCBIO	Tertiary Foundation Certificate Biological Science	Science
TFCBUS	Tertiary Foundation Certificate Business	Business and Economics
TFCCAI	Tertiary Foundation Certificate Creative Arts	Arts and Education
TFCCHEM	Tertiary Foundation Certificate Chemistry	Science
TFCEDUC	Tertiary Foundation Certificate Education	Arts and Education
TFCENG	Tertiary Foundation Certificate English	Arts and Education
TFCENV	Tertiary Foundation Certificate Environmental Studies	Science
TFCHIST	Tertiary Foundation Certificate History	Arts and Education
TFCMAORI	Tertiary Foundation Certificate Māori	Arts and Education
TFCMATHS	Tertiary Foundation Certificate Mathematics	Science
TFCPAC	Tertiary Foundation Certificate Pacific Studies	Arts and Education
TFCPHYS	Tertiary Foundation Certificate Physics	Science
TFCSOCIO	Tertiary Foundation Certificate Sociology	Arts and Education
TFCSTATS	Tertiary Foundation Certificate Statistics	Science

Course Code	Title	Faculty
THEOLOGY	Theology	Arts and Education
THEOREL	Theological and Religious Studies	Arts and Education
TONGAN	Tongan	Arts and Education
TRANSLAT	Translation Studies	Arts and Education
URBDES	Urban Design	Engineering and Design
URBPLAN	Urban Planning	Engineering and Design
WINESCI	Wine Science	Science
YOUTHWRK	Youth Work	Arts and Education
WTR	Waipapa Taumata Rau	Arts and Education
WTRBUS	Waipapa Taumata Rau	Business and Economics
WTRENG	Waipapa Taumata Rau	Engineering and Design
WTRMHS	Waipapa Taumata Rau	Medical and Health Sciences
WTRSCI	Waipapa Taumata Rau	Science

THE UNIVERSITY OF AUCKLAND

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The University of Auckland

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Foundation Studies

Foundation Courses

FOUNDST 10F

24 Points

English for Academic Purposes

Develops skills for understanding, writing, reading and speaking English. Attention is paid to accuracy, grammatical structures, spelling, punctuation and word use. Tasks include group discussions and formal presentations, note-taking, extended reading and formal comprehension exercises, paragraph and note-form summaries and preparation of research reports.

FOUNDST 11F

24 Points

Accounting

Provides introduction to accounting methods and concepts. Topics include cash and accrual accounting, budgeting, cash flow, depreciation, assessment of performance, accounting systems, job costing, cost-volume-profit analysis, financial statements for sole traders, partnerships and companies.

FOUNDST 12F

24 Points

Art

Provides a practical knowledge of visual arts and understanding of arts in context. Through a number of practical assignments and the production of a portfolio, students develop ideas, observe, analyse, interpret and evaluate images.

FOUNDST 13F

24 Points

Biology

Develops an understanding of biology and the skills to apply biological knowledge to solve problems, design and perform experiments, and to interpret and present evidence. Topics include structure and function of the cell, responses of plants and animals to biotic and abiotic factors, genetics and evolution (primates and hominids).

FOUNDST 14F

24 Points

Chemistry

Provides science students with the skills and confidence to test their ideas experimentally. Topics include atomic theory, chemical bonding and shapes of molecules, chemistry of transition elements, metal hydroxides, halogens and selected ions, analysis of laboratory solutions and commercial products, energy involved in physical and chemical changes, Aqueous Chemistry, oxidation-reductions and applications, spectroscopic identification of organic compounds.

FOUNDST 15F

24 Points

Classical Studies

Gives an introduction to the history, literature, art, architecture and politics of ancient Greece (600-400BC) and Rome (753 BC to 14 AD). Develops vital skills for university level study, including critical thinking, analysis and writing argumentative essays.

FOUNDST 16F

24 Points

Economics

Covers a wide range of economic issues, from basic economic concepts and principles, to policy options available to governments, and probable consequences of economic decisions. Topics include relative scarcity and production possibilities, demand, supply and the market, market structures, including monopoly, externalities, public goods and government intervention, equity and efficiency, financial markets, aggregate demand and supply and the macroeconomic economy.

FOUNDST 17F

24 Points

Geography

Covers the formation of natural features and develops skills involved in interpreting topographic data. Analysis of cultural processes (urban growth, migration, development and sustainability), the study of human actions that modify natural processes, and analysis of the outcomes.

FOUNDST 18F

24 Points

Information Technology

Provides a broad knowledge of computer technology, common application software, programming, word processing, spreadsheets and databases. Topics include computer hardware, computer software, operating systems, business applications, problem solving techniques used for programming.

FOUNDST 19F

24 Points

Mathematics with Calculus

Provides a solid foundation for university subjects requiring a prior knowledge of Mathematics with Calculus. Topics include calculus, algebra, trigonometry, geometry.

FOUNDST 20F

24 Points

Mathematics with Statistics

Provides students with a broad range of mathematical knowledge and skills and is a prerequisite for many university courses. Topics include algebra and graphing functions, exponentials and logarithms, correlation and progression, probability and set theory, random variables and their distributions, time series, linear programming, mathematical modelling, numerical equation solving, binomial, poisson and normal distributions.

FOUNDST 21F

24 Points

Physics

Develops students' theoretical knowledge, problem-solving skills and experimental techniques. Topics include light, waves, kinematics, mechanics, electricity and magnetism, atomic and nuclear physics.

Internship

Postgraduate 700 Level Courses

INTERNSP 700

15 Points

Internship 1

Enables the development of practical knowledge and hands-on experience through a supervised internship.

INTERNSP 701 **30 Points**
Internship 2
 Enables the development of practical knowledge and hands-on experience through a supervised internship.

INTERNSP 702 **45 Points**
Internship 3
 Enables the development of practical knowledge and hands-on experience through a supervised internship.

INTERNSP 703 **60 Points**
Internship 4
 Enables the development of practical knowledge and hands-on experience through a supervised internship.

University of Auckland Foundation Studies

Foundation Courses

CTFOUND 10F **40 Points**
English for Academic Purposes
 Develops language skills such as reading, writing, speaking, and listening. Builds academic vocabulary and correct use of grammar, making it easy to understand other subjects. Note-taking, critical thinking, research, and essay writing are covered. This course covers the language skills that will help students understand academic texts at university.

CTFOUND 11F **20 Points**
Accounting
 Accounting is the practice of communicating financial information in order to make effective decisions. This course focuses on how to record business transactions for a company, prepare and analyse the financial statements for a company. Management decision making, breakeven analysis, cash budgeting and spreadsheets are also covered.

CTFOUND 12F **20 Points**
Art History
 Discusses the analysis and interpretation of works of art within their cultural and historical context. Artists such as Donatello, Masaccio, Leonardo da Vinci, Michelangelo and Raphael (Renaissance) are studied. The modern period includes Cezanne, Picasso, Braque (Cubism) and Mondrian. A New Zealand artist, Colin McCahon, will also be studied. Encourages students to make connections to other artists. Develops skills in critical analysis, writing, presentation and independent research.

CTFOUND 13F **20 Points**
Biology
 Biology is the study of living things, their environments and their evolution. Understanding how living cells coordinate biochemical reactions, giving rise to what is called 'life'. By exploring biotechnology, students will discover how cellular and molecular biology are applied to practical human purposes. The wide diversity of living things on Earth: ecosystems, plants and animals, genetics and evolution over time will be studied. Provides opportunities for research, discussion, presenting and writing critically about current biology issues.

CTFOUND 14F **20 Points**
Chemistry
 Chemistry is the branch of science concerned with the substances of which matter is composed, the investigation of their properties and reactions, and the use of such reactions to form new substances. Theory is complemented by experiments in which students develop practical skills,

such as the use of common laboratory equipment, powers of observation and the ability to communicate results and conclusions.

CTFOUND 15F **20 Points**
Design
 Strong focus on graphic and communication design. Considers graphic design theory and explores communication design solutions by producing a brand identity for an individually chosen project. Students will learn how to design a logo and poster, produce imagery, develop an understanding of building a design brand, interpret and read design works and learn how to use Photoshop.

CTFOUND 16F **20 Points**
Economics
 Economics is the study of scarcity; of how society chooses to use scarce resources to satisfy its unlimited wants. Explores what motivates consumers and producers, how the market works and how markets react to change. Increases students' understanding of what makes up an economy, how it works and why it is important for the individual and others. Uses economic theory to analyse real-life situations. Challenges students to think like an economist and practise decision making.

CTFOUND 17F **20 Points**
Mathematics with Calculus
 Calculus is a branch of mathematics that provides an understanding of the changes between values that are related by a function. Students will learn how to manipulate mathematical equations, read trigonometric functions, differentiate to get functions that show rates of change, and integrate to obtain formulas that describe things that are not visible. Logical thinking and reasoning, algorithmic processes and problem solving will also be studied.
Restriction: CTFOUND 18F

CTFOUND 18F **20 Points**
Mathematics with Modelling
 Modelling is a branch of mathematics where mathematical representations of the surrounding world are created in order to increase knowledge and predict the future. Students will learn how to manipulate mathematical equations, read trigonometric functions, create formulas for real-life situations and maximise profits and minimise costs. Logical thinking and reasoning, algorithmic processes and problem-solving will be covered.
Restriction: CTFOUND 18F

CTFOUND 19F **20 Points**
Geography
 Geography is the study of the Earth as the home of humankind. Geographical skills such as mapping, graphing and interpretation of data will be covered. Topics include tourism development as a cultural process, tectonic processes and global development. A contemporary geographic issue will be studied.

CTFOUND 20F **20 Points**
Photography
 Photography is the study of the camera, its capabilities and the ideas, theory and aesthetics around the photographic image as a piece of art. Students will be introduced to the history of photography, how the camera works, camera techniques and the language of composition. Students will study contemporary photographers.

CTFOUND 21F**20 Points****Physics**

Physics provides explanations for why natural and man-made phenomena occur. Topics covered: translational motion, forces, momentum, rotational motion, simple harmonic motion, mechanical and electromagnetic waves, direct current electricity, capacitance, electromagnetism and alternating current theory. Different types of experimental techniques and the appropriate situations in which they should be used. Students will be shown how to develop a logical approach to problem-solving and experimental design.

CTFOUND 22F**20 Points****Statistics**

Statistics is about collecting and analysing data from a small group to make intelligent and accurate conclusions about a larger group. The Problem, Plan, Data, Analysis, and Conclusion (PPDAC) cycle of inquiry will be used. Statistical knowledge aids in the proper methods to collect data, employ the correct analyses and effectively present the results. Key skills covered: gathering and displaying data, using statistical formulas and writing academic conclusions.

CTFOUND 23F**20 Points****Communication**

Communications is about the distribution of ideas. Students will develop an awareness of the challenges they face as consumers and conveyors of big ideas in a variety of media. They will explore a range of oral and visual texts including social media and develop the skills to investigate and infer purpose and meaning.

CTFOUND 39F**20 Points****English for Academic Purposes**

Further develops language, academic and critical thinking skills required for university level study.

CTFOUND 40F**10 Points****English for Academic Purposes**

Note-taking, critical thinking, research and essay writing are covered. This course covers the language skills that will help students understand academic texts at university.

CTFOUND 41F**20 Points****Accounting**

Accounting is the practice of communicating financial information in order to make effective decisions. This course focuses on how to record business transactions for a company, and prepare and analyse the financial statements for a company. Management decision making, breakeven analysis, cash budgeting and spreadsheets are also covered.

CTFOUND 42F**20 Points****Art History**

Discusses the analysis and interpretation of works of art within their cultural and historical context. Artists such as Donatello, Masaccio, Leonardo da Vinci, Michelangelo and Raphael (Renaissance) are studied. The modern period includes Cezanne, Picasso, Braque (Cubism) and Mondrian. A New Zealand artist, Colin McCahon, will also be studied. Encourages students to make connections to other artists. Develops skills in critical analysis, writing, presentation and independent research.

CTFOUND 43F**20 Points****Biology**

Biology is the study of living things, their environments and

their evolution. Understanding how living cells coordinate biochemical reactions, giving rise to what is called 'life'. By exploring biotechnology, students will discover how cellular and molecular biology are applied to practical human purposes. The wide diversity of living things on Earth: ecosystems, plants and animals, genetics and evolution over time will be studied. Provides opportunities for research, discussion, presenting and writing critically about current biology issues.

CTFOUND 44F**20 Points****Chemistry**

Chemistry is the branch of science concerned with the substances of which matter is composed, the investigation of their properties and reactions, and the use of such reactions to form new substances. Theory is complemented by experiments in which students develop practical skills, such as the use of common laboratory equipment, powers of observation and the ability to communicate results and conclusions.

CTFOUND 45F**20 Points****Design**

Strong focus on graphic and communication design. Considers graphic design theory and explores communication design solutions by producing a brand identity for an individually chosen project. Students will learn how to design a logo and poster, produce imagery, develop an understanding of building a design brand, interpret and read design works and learn how to use Photoshop.

CTFOUND 46F**20 Points****Economics**

Economics is the study of scarcity; of how society chooses to use scarce resources to satisfy its unlimited wants. Explores what motivates consumers and producers, how the market works, and how markets react to change. Increases students' understanding of what makes up an economy, how it works and why it is important for the individual and others. Uses economic theory to analyse real-life situations. Challenges students to think like an economist and practise decision making.

CTFOUND 47F**20 Points****Mathematics with Calculus**

Calculus is a branch of mathematics that provides an understanding of the changes between values that are related by a function. Students will learn how to manipulate mathematical equations, read trigonometric functions, differentiate to get functions that show rates of change, and integrate to obtain formulas that describe things that are not visible. Logical thinking and reasoning, algorithmic processes and problem-solving will also be studied.

CTFOUND 48F**20 Points****Mathematics with Modelling**

Modelling is a branch of mathematics where mathematical representations of the surrounding world are created in order to increase knowledge and predict the future. Students will learn how to manipulate mathematical equations, read trigonometric functions, create formulas for real-life situations and maximise profits and minimise costs. Logical thinking and reasoning, algorithmic processes and problem-solving will be covered.

Restriction: CTFOUND 17F

CTFOUND 49F**20 Points****Geography**

Geography is the study of the Earth as the home of

humankind. Geographical skills such as mapping, graphing and interpretation of data will be covered. Topics include tourism development as a cultural process, tectonic processes and global development. A contemporary geographic issue will be studied.

CTFOUND 50F**20 Points****Photography**

Photography is the study of the camera, its capabilities and the ideas, theory and aesthetics around the photographic image as a piece of art. Students will be introduced to the history of photography, how the camera works, camera techniques, and the language of composition. Students will study contemporary photographers.

CTFOUND 51F**20 Points****Physics**

Physics provides explanations for why natural and man-made phenomena occur. Topics covered: translational motion, forces, momentum, rotational motion, simple harmonic motion, mechanical and electromagnetic waves, direct current electricity, capacitance, electromagnetism and alternating current theory. Different types of experimental techniques and the appropriate situations in which they should be used. Students will be shown how to develop a logical approach to problem-solving and experimental design.

CTFOUND 52F**20 Points****Statistics**

Statistics is about collecting and analysing data from a small group to make intelligent and accurate conclusions about a larger group. The Problem, Plan, Data, Analysis, and Conclusion (PPDAC) cycle of inquiry will be used. Statistical knowledge aids in the proper methods to collect data, employ the correct analyses and effectively present the results. Key skills covered: gathering and displaying data, using statistical formulas and writing academic conclusions.

FACULTY OF ARTS AND EDUCATION

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Faculty of Arts and Education

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Academic English Studies

Stage I

ACADENG 100

15 Points

Forms in Academic English

Focuses on developing an understanding of academic reading and writing, including sentence and paragraph structure and academic vocabulary, and aims to develop strategies for employing these for effective reading and writing of academic texts. Develops an understanding of broad principles and practices of academic discourse at university level.

Restriction: May not be taken if ENGWRIT 101 or ESOL 201 or ACADENG 201 or ESOL 210 or ACADENG 210 has previously been passed. This course is available only to students who speak English as an additional language

ACADENG 101

15 Points

Academic English Writing

Teaches students the skills necessary to write essays of exposition and argument for university purposes. It includes brainstorming, writing an outline, structuring an essay, integrating quotations, summaries and referencing.

Restriction: May not be taken if ACADENG 93F, 201, 210, ENGWRIT 101, ESOL 201, 210, TFCACENG 93F has previously been passed. This course is available only to students who speak English as an additional language

ACADENG 104

15 Points

Academic English for Business

Focuses on core English academic reading and writing skills, and strategies for learning disciplinary vocabulary. Targets the academic literacy needs of students in accessing the undergraduate business curriculum and develops awareness of appropriate text structures and academic style to understand and express business-related concepts in an academic context.

Restriction: May not be taken if ENGWRIT 101 or ESOL 201 or ACADENG 201 or ESOL 210 or ACADENG 210 has previously been passed

Stage II

ACADENG 210

15 Points

Writing Research Reports

Aims to develop skills needed for writing research and laboratory reports. It covers key stages in writing a standard report and the language patterns associated with each of these stages. Course components include writing the

literature review, methodology, results and discussion sections of a report, dissertation or thesis.

Prerequisite: ACADENG 101 or approval of Academic Head or nominee

Restriction: ESOL 210. This course is available only to students who speak English as an additional language

ACADENG 212

15 Points

Special Topic

Restriction: ESOL 212. This course is available only to students who speak English as an additional language

Anthropology

Stage I

ANTHRO 108

15 Points

Being Human

Archaeologists and biological anthropologists examine what it is to be human by studying primates, fossils, archaeological remains and both historical and contemporary societies. Humans are immersed in social and ecological worlds that mutually shape our bodies, actions, and understandings (including mātauranga Māori). Explores the past and present reality of being human, and the evolutionary journey to become human.

Restriction: ANTHRO 102

ANTHRO 110

15 Points

Culture and Creativity

Explores the connections between culture, creativity, and society through anthropological concepts, Mātauranga Māori, and relevant examples. It covers issues and problems faced by communities locally and globally, using a range of mediums such as whakapapa, material culture, performing arts, media and grassroots movements to illustrate how anthropology can help understand the complexities of creativity and the creation of knowledge.

Stage II

ANTHRO 200

15 Points

Archaeology: Understanding the Past

An examination of current concepts in archaeological research and their place in the development of archaeological thought. How archaeology makes use of its methods and theories to understand the past. An introductory laboratory component. This course is essential for students who may wish to continue their study of Archaeology at Stage III.

Prerequisite: 30 points in Anthropology or 60 points passed

ANTHRO 201

15 Points

Human Evolution

Explores issues fundamental to understanding humans' place in nature from a biocultural perspective. What led to the evolution of bipedalism, large brains, and language? How do we define species in the fossil record? How can we reconstruct ancient diets and ecologies? The course will examine how new discoveries and advancements in biology are reshaping understandings of our evolutionary history.

Prerequisite: 30 points in Anthropology or 60 points passed

ANTHRO 202

15 Points

Music and Identity in World Music Cultures

Examines music's role in the construction and reinforcement of identity. Considers a range of culturally constructed concepts including class, gender and ethnicity; also considers the impact of mass mediated sound and unique

nature of music in the cultural diaspora. Examples and case studies range from the ritual musics of Africa and the classical music of South Asia to East Asian pop.

ANTHRO 205 **Primate Behaviour, Ecology and Conservation** **15 Points**

Examines the diversity of extant nonhuman primate species, including their behaviour, ecology, and conservation, and also the importance of primatology toward an understanding of our own species. Specifically, students will critically examine the results of primatological inquiries in order to gain insight into the comparative evolutionary approach, especially with respect to the applicability of such efforts to the study of humans.

Prerequisite: 15 points in Anthropology or 60 points passed

Restriction: ANTHRO 349

ANTHRO 206 **Origins of Civilisation** **15 Points**

The shift from a hunter-gatherer way of life to one based on village life and agriculture is foundational for the development of complex society. The course considers what socio-cultural changes were involved as Holocene societies developed in different parts of the world and how the relationship between humans and the environment changed.

Prerequisite: 15 points in Anthropology or 60 points passed

Restriction: ANTHRO 322

ANTHRO 207 **Archaeological History of Aotearoa New Zealand** **15 Points**

Examines the first 600-700 years of human settlement in Aotearoa New Zealand from an archaeological perspective, from Polynesian arrival through the early historic period. Themes include Māori origins in East Polynesia, adaptations to Aotearoa's temperate environment, changing patterns of resource use, Māori material culture and arts, the development of fortified sites or pā, and the emergence of classic Māori society.

Prerequisite: 60 points passed

ANTHRO 208 **Biosocial Medical Anthropology** **15 Points**

Medical Anthropology draws on biological and social/cultural anthropology to address issues of human health and disease. A distinct subfield, it includes studies of the co-evolution of humans and diseases, human ecology, cultural constructions of health and illness, medical knowledge and healing practices, and the political economy of health. Students are asked to research, think and write analytically about these topics.

Prerequisite: 60 points passed at Stage I

Restriction: ANTHRO 324, 372

ANTHRO 212 **Ethnographic Film and Photography** **15 Points**

Explores uses of photography and film in the production and dissemination of anthropological knowledge. Emphasises the choices in subject matter, imagined audience, composition, construction of narrative (or not), and mode of representation that are made at all stages in the production of ethnographic images. Uses ethnographic images to reflect on construction of ethnographic texts.

Prerequisite: ARTHIST 115 or 30 points in Anthropology, Communication, Media and Screen Studies, or Sociology

Restriction: ANTHRO 320, 373

ANTHRO 213 **Questioning Race and Racism** **15 Points**

Multiple anthropological frameworks explore the scholarly

and popular understandings of race and racism, and question contemporary perspectives. Why do these concepts have such social and political potency? What are the impacts of concepts of race and practices of racism and anti-racism on individuals, families, communities, nation-states and empires, in Aotearoa New Zealand, the Pacific, and elsewhere?

Prerequisite: 15 points at Stage I in Anthropology and 15 points in BA courses

Restriction: ANTHRO 105

ANTHRO 217 **Rhythm, Blues and Rock** **15 Points**

African-American popular music and culture from the mid-1930s through the early 1960s, including styles such as blues, R 'n' B, and early Rock 'n' Roll. Considers issues of racial and gendered representation, creativity, the popular music industry, the place of music in the development of 'youth culture' and stylistic trends. Individual performers, recordings and performances, are also examined.

Restriction: POPMUS 206

ANTHRO 220 **Kaumātuaanga: Ageing in Aotearoa** **15 Points**

Examines contemporary and historical understandings of kaumātuaanga and kaumātua roles in Māori society. Topics include: leadership within Māori society; tuakana-teina, gendered roles and complementarity; whanaungatanga and important relationships; health inequities and policies; emerging health partnership models; and the diversity of kaumātua groups.

Prerequisite: 30 points from Anthropology, Māori Studies or Sociology

Restriction: ANTHRO 376

ANTHRO 226 **Imperialism and Immigration in the Americas** **15 Points**

Examines the relationship between migration and imperialism in the Americas through the framework of critical anthropology as a discipline and through the use of contemporary case studies. This course critically engages with the role of the United States as an imperial power in and draws significantly from decolonial, post-colonial work and work produced by scholars in Latin America.

Prerequisite: 15 points at Stage I in Anthropology

Restriction: GLOBAL 251

ANTHRO 227 **Future Generations Anthropology** **15 Points**

This course acknowledges the colonial history of anthropology and imagines an anthropology that is relevant now and for the future, with Aotearoa-New Zealand not as just a site of study but an active producer of anthropological knowledge. Explores anthropological concepts via contemporary settings and Mātauranga Māori to demonstrate the usefulness of anthropology in addressing fundamental local and global issues.

Restriction: ANTHRO 109

ANTHRO 234 **Popular Musics of the Pacific** **15 Points**

From hip hop to reggae to pop, this course explores Pacific popular music genre, artists and songs as well as relevant musical techniques, modes of distribution and processes of fusion and change. It probes the positions and possibilities of Pasifika pop musics by discussing critical questions about culture, authenticity, modernisation, consumerism, identity and musical (ex)change.

ANTHRO 235 15 Points**The Anthropology of Human Remains**

Human remains reflect the lives of the dead as well as the lives of those who buried them. The course introduces students to the various ways in which we can study the dead. It covers three areas: the interpretation of mortuary practices, the interpretation of past lives from skeletal remains, and the practice of burial archaeology in the southern hemisphere.

Prerequisite: 15 points in Anthropology or 60 points passed
Restriction: ANTHRO 367

ANTHRO 236 15 Points**Special Topic****ANTHRO 237 15 Points****Economy and Culture**

Explores economic systems cross-culturally, including modes of production, forms of exchange, and ideas about property and consumption. Questions and critiques Euro-American assumptions about human nature, social persons, and the ubiquity and morality of markets and market exchange.

Prerequisite: 15 points at Stage I in Anthropology or Employment Relations and Organisational Studies
Restriction: ANTHRO 374

ANTHRO 241 15 Points**Anthropology of the Body**

Examines cultural and historical variations in how societies understand and experience the human body. The focus will be primarily on social, historical, and political-economic approaches. Topics such as labour, sport, health, illness, sexuality, gender, and religious ritual will be considered. Explores the cultural construction and social experience of the human body in a diverse range of settings.

Prerequisite: 30 points in Anthropology
Restriction: ANTHRO 354

ANTHRO 248 15 Points**Special Topic**

Prerequisite: 30 points in Anthropology

ANTHRO 250 15 Points**World-view and Religion**

Anthropological approaches to religion and world-view. Includes cross-cultural approaches to meaning, belief, religious experience, ritual and myth. Issues of religion, ideology, syncretism, symbolism in social conflict and change. Considers local and world religions.

Prerequisite: 30 points in Anthropology, Sociology or Theological and Religious Studies
Restriction: ANTHRO 319

ANTHRO 252 15 Points**Global Heritage Management**

Globally, archaeological features and historic monuments are increasingly threatened by urban development, looting, antiquities trafficking, and effects of climate change. Using an archaeological perspective, state-of-the-art recording technologies, community partnerships, legislation, management systems, and the role of museums in conservation and exhibition will be examined. Case studies from Aotearoa, Pacific and elsewhere illustrate major issues, contradictions, and controversies, alongside effective heritage management.

Prerequisite: 30 points in Anthropology

Stage III**ANTHRO 301 15 Points****Contemporary Research in Music and Culture**

A seminar-style course covering a range of current topics and methods in ethnomusicology. Examines selected theories, methods, and perspectives on the roles and meanings of musical activity in contemporary human culture. We will view music as a symbolic component of cultural expression and as both focus and paradigm for cultural structures and behaviours.

Prerequisite: ANTHRO 202 or 30 points at Stage II in Transnational Cultures and Creative Practice
Restriction: ANTHRO 219

ANTHRO 306 15 Points**Pacific Archaeology**

The archaeology of the Pacific region, including colonisation, settlement patterns, interisland trade, traditional navigation, cultural change, emergence of complex societies and ethnohistory.

Prerequisite: 60 points at Stage II
Restriction: ANTHRO 706

ANTHRO 317 15 Points**Field Methods in Archaeology**

Participation in a field school involving an intensive introduction to all aspects of excavation and subsequent laboratory analysis and report preparation.

Prerequisite: ANTHRO 200 passed with a grade of B- or higher
Restriction: ANTHRO 373

ANTHRO 319 15 Points**World-view and Religion**

Anthropological approaches to religion and world-view. Includes cross-cultural approaches to meaning, belief, religious experience, ritual and myth. Issues of religion, ideology, syncretism, symbolism in social conflict and change. Considers local and world religions.

Prerequisite: ANTHRO 203 or 30 points at Stage II
Restriction: ANTHRO 250

ANTHRO 321 15 Points**Equality and Inequality**

Examines conceptualisations, realities and consequences of equality and inequality cross-culturally. Considers whether there are egalitarian societies and whether inequality is inevitable. Covers types and systems of inequality such as slavery, gender inequality, caste and class, as well as differences between economic and political inequality, and between equality of opportunity and equality of results.

Prerequisite: 30 points at Stage II

ANTHRO 329 15 Points**Music of East Asia: Tradition, Modernity and Globalisation**

Explores East Asia from the ethnomusicological perspective and illuminates how music negotiates boundaries and constructs varying identities in China, Japan, and Korea, while affirming a distinct cultural identity generally referred to as "East Asian". Using different musical practices of East Asia as case studies, it examines multiple approaches and methodologies used in studying East Asian music.

Prerequisite: 30 points at Stage II

ANTHRO 337 15 Points**Birth, Death, and Disease: Anthropological Demography**

Examines how human populations change over time, what factors underlie patterns of disease and death, and why demography is so important to the study of epidemics. The course will explore the use of demographic methods and theories of demographic and epidemiological transition to

examine fertility, morbidity, mortality, and migration from an anthropological perspective, with a particular focus on infectious disease dynamics.

Prerequisite: ANTHRO 201 or 30 points in Anthropology at Stage II or above

ANTHRO 340 15 Points

Heritage Conservation in Aotearoa

Addresses the main principles of heritage conservation focusing on the rationale rather than treatment methods. Special emphasis is given to the fields of: conservation of place, archaeological, architectural, ethnographic and fine art conservation. Provides students with a cultural orientation to conservation where issues are examined through several contexts, including anthropological studies and conservation science.

Prerequisite: 30 points at Stage II in Anthropology

ANTHRO 345 15 Points

Directed Study in Anthropology

A directed reading and individual study course, offered in exceptional circumstances, to prepare students in the methodologies of a selected sub-discipline of Anthropology, with the agreement and under the supervision of appropriate staff.

Prerequisite: 30 points at Stage II in Anthropology and permission of Major/Specialisation Leader

ANTHRO 348 15 Points

Perspectives on Human Growth

Adopts evolutionary and biocultural perspectives in examining patterns of human growth and maturation. Human developmental patterns are placed within an evolutionary framework using evidence from non-human primates and earlier hominid remains. Variability within and among human populations in growth and developmental timing is considered in terms of genetics interacting with physical, biotic and social factors.

Prerequisite: ANTHRO 201 or 60 points in Anthropology

ANTHRO 349 15 Points

Primate Behaviour, Ecology and Conservation

Examines the diversity of extant nonhuman primate species, including their behaviour, ecology, and conservation, and also the importance of primatology toward an understanding of our own species. Specifically, students will critically examine the results of primatological inquiries in order to gain insight into the comparative evolutionary approach, especially with respect to the applicability of such efforts to the study of humans.

Prerequisite: ANTHRO 201 or 60 points in Anthropology

Restriction: ANTHRO 205

ANTHRO 351 15 Points

Special Topic

Prerequisite: ANTHRO 203 or 30 points at Stage II in Anthropology

ANTHRO 352 15 Points

Special Topic: Applied Anthropology

Examines how anthropology has been used in interventions that affect people's lives, and how anthropology has contributed to public policy and public discourse. Considers ethical, methodological and theoretical complexities of anthropology's engagement in development and advocacy. Finally, the course will consider how anthropologists fit into the bigger picture of transnational governmentality, policy and economy.

Prerequisite: 60 points in Anthropology

ANTHRO 353 15 Points

Archaeology in Practice

Introduces standard laboratory methods for analysing artefacts and generating material culture data to answer questions about the past. Quantitative observations, classification, and hypothesis testing will be emphasised. Course content will be relevant to a range of archaeological research, including research in heritage management contexts. Analysis of Australasian and Pacific Island materials will form the basis of laboratory work when possible.

Prerequisite: B- or higher in ANTHRO 200 or 201

ANTHRO 354 15 Points

Anthropology of the Body

Examines cultural and historical variations in how societies understand and experience the human body. The focus will be primarily on social, historical, and political-economic approaches. Topics such as labour, sport, health, illness, sexuality, gender and religious ritual will be considered. Explores the cultural construction and social experience of the human body in a diverse range of settings.

Prerequisite: ANTHRO 203 or 30 points at Stage II in Anthropology

Restriction: ANTHRO 241

ANTHRO 357 15 Points

Gender, Sexuality and Popular Music

Explores the ways in which gender and sexual identities are both reflected in and modified by mainstream popular music: from 'girl power' to boy bands; from outwardly gay and lesbian artists to the gay appropriation of heterosexual female divas; from the camp masculinity of heavy metal to lesbian rock and riot grrrls; from women-hating gangster rappers to powerful women in the recording industry.

Prerequisite: 30 points at Stage II

Restriction: POPMUS 306

ANTHRO 360 15 Points

Special Topic

Prerequisite: ANTHRO 200 or 201 or 203 or 219 or 120 points passed

ANTHRO 366 15 Points

Medicine, Power and Politics

Anthropological examination of the interplay between cultural values, local and national politics, and international health programs and initiatives. Examines how experiences of medical care and ideas of illness and health vary across different cultural groups and socio-cultural settings.

Prerequisite: ANTHRO 203 or 30 points at Stage II

ANTHRO 367 15 Points

The Anthropology of Human Remains

Human remains reflect the lives of the dead as well as the lives of those who buried them. The course introduces students to the various ways in which we can study the dead. It covers three areas: the interpretation of mortuary practices, the interpretation of past lives from skeletal remains, and the practice of burial archaeology in the southern hemisphere.

Prerequisite: ANTHRO 200 or 201 with a minimum B- grade

Restriction: ANTHRO 235

ANTHRO 370 15 Points

Special Topic

Prerequisite: ANTHRO 200 or 120 points passed

ANTHRO 372 15 Points

Biosocial Medical Anthropology

Medical Anthropology draws on biological and social/

cultural anthropology to address issues of human health and disease. A distinct subfield, it includes studies of the co-evolution of humans and diseases, human ecology, cultural constructions of health and illness, medical knowledge and healing practices, and the political economy of health. Students are asked to research, think and write analytically about these topics.

Prerequisite: ANTHRO 201 or 30 points at Stage II in Anthropology

Restriction: ANTHRO 208, 324

ANTHRO 373 15 Points

Anthropological Images

Explores the use of visual images in the production and dissemination of anthropological knowledge. Examines the choices made in the production of photographs and films, and the politics of representation. The examination of choices made in producing images will be used to consider choices made in the production of anthropological texts.

Prerequisite: 15 points at Stage I in Anthropology

Restriction: ANTHRO 212, 320

ANTHRO 374 15 Points

Economy and Culture

Explores economic systems cross-culturally, including modes of production, forms of exchange, and ideas about property and consumption. Questions and critiques Euro-American assumptions about human nature, social persons, and the ubiquity and morality of markets and market exchange.

Prerequisite: 15 points at Stage I in Anthropology or Stage II in Employment Relations and Organisational Studies

Restriction: ANTHRO 237

ANTHRO 376 15 Points

Kaumātuatanga: Ageing in Aotearoa

Examines contemporary and historical understandings of kaumātuatanga and kaumātua roles in Māori society. Topics include: leadership within Māori society; tuakana-teina, gendered roles and complementarity; whanaungatanga and important relationships; health inequities and policies; emerging health partnership models; and the diversity of kaumātua groups.

Prerequisite: 45 points from Anthropology, Māori Studies or Sociology including 30 points at Stage II

Restriction: ANTHRO 220

ANTHRO 377 15 Points

Whiteness in the Settler State

Examines the concept and construct of "whiteness" within the construct of the "settler state" through the lens of critical anthropology. Explores the development of white supremacy as an ideology and expression of social and political power and provides students with the conceptual and intellectual frameworks to consider the invisibility of whiteness as a social habit.

Prerequisite: 15 points at Stage I in Anthropology

ANTHRO 399 15 Points

Capstone: Anthropological Science

Provides students with an opportunity to demonstrate their integrated knowledge and growth in the major. Students are encouraged to make connections between their academic learning in anthropological science and the professional world. Specific topics will vary by year, but will feature projects designed to incorporate both independent and collaborative work, as well as the potential for public engagement.

Prerequisite: 30 points passed at Stage III in Anthropological Science or Academic Head approval

Postgraduate 700 Level Courses

ANTHRO 708A 15 Points

ANTHRO 708B 15 Points

Cultural Resource Management in Archaeology

Covers all aspects of cultural resource management as it relates to archaeological sites and heritage with a particular focus on New Zealand archaeology and Māori heritage. There is an emphasis on site identification, recording and interpretation in the field. Legal aspects and the roles of archaeologists and iwi in cultural resource management are also covered.

To complete this course students must enrol in ANTHRO 708 A and B

ANTHRO 709 15 Points

Applying Anthropology

Considers the diverse fields in which Anthropology may be applied to peoples and cultures in the contemporary world, including, for example: environmental and development issues; land and resource conflicts; mediation and advocacy; human rights; cultural heritage; social policy; business and industry; communications; marketing; medical investigations; museums and other representational activities. Addresses practical and ethical issues that arise in these areas.

ANTHRO 713 30 Points

Special Topic in Biological Anthropology

ANTHRO 718A 15 Points

ANTHRO 718B 15 Points

Interpreting Biocultural Data

A survey of the design, implementation, analysis, interpretation, and dissemination of research in biocultural anthropology. It provides a holistic overview of both qualitative and quantitative approaches to biocultural anthropological scholarship.

To complete this course students must enrol in ANTHRO 718 A and B

ANTHRO 719 30 Points

ANTHRO 719A 15 Points

ANTHRO 719B 15 Points

Ethnographic Practice and Design

Based on seminars, workshops and field research, the course prepares students to understand the foundations of anthropological ethnography and the ethical issues it entails, and to become proficient ethnographers in the field, in archives and at the desk. The course provides instruction and practice in research design and proposal writing in socio-cultural anthropology.

Restriction: ANTHRO 753

To complete this course students must enrol in ANTHRO 719 A and B, or ANTHRO 719

ANTHRO 724 30 Points

Special Topic in Social Anthropology

ANTHRO 727 30 Points

ANTHRO 727A 15 Points

ANTHRO 727B 15 Points

Ethnographies of Music-making

Advanced theories and methodologies for the ethnomusical analysis of live musical performances and other behaviours across all genres and cultures. Primary attention is given to ethnography and participant-

observation supported by analysis of industrial, cultural, musical, and mediated phenomena.

To complete this course students must enrol in ANTHRO 727 A and B, or ANTHRO 727

ANTHRO 728 30 Points
Topic in Ethnomusicology

ANTHRO 729 15 Points

ANTHRO 729A 7.5 Points

ANTHRO 729B 7.5 Points

Special Studies in Anthropology

A directed reading and individual study course to prepare students in the methodologies in a selected sub-discipline of Anthropology, under supervision of appropriate staff.

To complete this course students must enrol in ANTHRO 729 A and B, or ANTHRO 729

ANTHRO 732 15 Points

Reading Medical Ethnography

Examines the social anthropological practice of ethnography of health and illness in community and clinical settings, including 'non-Western' and 'Western' cultural contexts, through critical readings of recent ethnographies in medical anthropology. Considers ethnographic and anthropological theory, ethics, methodology and application.

ANTHRO 733 30 Points

ANTHRO 733A 15 Points

ANTHRO 733B 15 Points

Research in Popular Music Culture

Advanced ethnomusicological theories and methodologies for the analysis of data that are obtained from mediated performance, archival sources, material culture and recorded music and image.

To complete this course students must enrol in ANTHRO 733 A and B, or ANTHRO 733

ANTHRO 735 30 Points

Special Topic in Anthropology

ANTHRO 736 30 Points

ANTHRO 736A 15 Points

ANTHRO 736B 15 Points

Special Studies in Anthropology

A directed reading and individual study course to prepare students in the methodologies in a selected sub-discipline of Anthropology, under supervision of appropriate staff.

To complete this course students must enrol in ANTHRO 736 A and B, or ANTHRO 736

ANTHRO 739 15 Points

ANTHRO 739A 7.5 Points

ANTHRO 739B 7.5 Points

Special Studies in Anthropology

A directed reading and individual study course to prepare students in the methodologies in a selected sub-discipline of Anthropology under supervision of appropriate staff.

To complete this course students must enrol in ANTHRO 739 A and B, or ANTHRO 739

ANTHRO 742 15 Points

Contact and Colonialism

A seminar focused on critical understanding of the political, social and economic expansion of European countries around the world and its cultural consequences. Themes may include: cultural encounter, causes and effects of colonisation, interpretations of the other by colonisers and colonised, Creole cultures, slavery, race, resistance

and accommodation, gender, demography, environmental impacts.

Restriction: ANTHRO 720

ANTHRO 746 15 Points

The Archaeology of the Anthropocene

Calls for the Anthropocene, a new geological epoch, recognise long-term, consequential effects of human societies, regardless of size, economics or socio-political complexity, on environments, organisms and ecosystems. When did the Anthropocene begin? How do we track socio-natural interactions over deep time? What might the past offer the future? This course explores how archaeology contributes to these and related questions.

ANTHRO 747 15 Points

Doing Biocultural Research

Focuses on ethical research methods in anthropology, from study design and consultation to dissemination of findings. We will examine various ethical dimensions of biocultural research and the relevant guidelines, codes of ethics, and laws that apply to such research. Students will propose a research project involving human participants and draft an institutional ethics board application.

Restriction: ANTHRO 718

ANTHRO 748 15 Points

Human Osteology

Advanced method and theory in human osteology. Coursework is a combination of seminars and practical workshops covering the areas of biocultural frameworks, ethics, taphonomy, human identification, dental anthropology, palaeopathology and biomolecular approaches. Work is focused upon method and theory as applied in the southern hemisphere.

Restriction: ANTHRO 730

ANTHRO 749 15 Points

Advanced Primatology

A practical and theoretical exploration of the methodological principles and research methods in contemporary primatology. Students build a working understanding of behavioural data collection and analysis, as well as developing tools for the assessment of populations and habitats.

Restriction: ANTHRO 730

ANTHRO 753 15 Points

Ethnographic Research

Students learn observational, ethnographic and quantitative social anthropological research methods by designing and carrying out a small class research project. Ethical and methodological issues are introduced.

Restriction: ANTHRO 711, 734

ANTHRO 756 15 Points

Anthropology and Intellectual Property

Examines recent anthropological contributions to debates about intellectual property. These include concepts of ownership, the objectification and appropriation of indigenous knowledge, creativity, bioprospecting, the protection of intangible cultural property, and the effects of global flows of information on persons, privacy and the ownership of ideas.

ANTHRO 758 30 Points

Special Topic in Archaeology

ANTHRO 759 15 Points

Kaitiakitanga: Protecting our Planet

Explores kaitiakitanga and environmental stewardship.

Introduces students to contested sites in Aotearoa, New Zealand, each with their own unique stories and guardians who have a duty of care for natural environments. This is anthropology for now and the future, with locations and people not considered as sites to be extracted from but rather active co-producers of anthropological knowledge.

ANTHRO 760 15 Points

Anthropological Theory and the Contemporary World

An analysis of foundational and current theoretical works in social anthropology and their relevance to understanding contemporary societies and cultures. The course examines anthropological approaches to long-standing disciplinary debates and contemporary issues of wider public debate. *Restriction: ANTHRO 714*

ANTHRO 762 15 Points

Theorising Human Evolution

Investigates contemporary evolutionary theory as it applies to humans and other primates. How has the extended evolutionary synthesis changed understandings of human and primate evolution? Topics include: plasticity, adaptation, modes of selection and niche construction. *Restriction: ANTHRO 710, 726, 751, 752*

ANTHRO 763 15 Points

Contemporary Bio-Anthropology

Explores the ethical dimensions of new and innovative approaches to the study of the behaviour and biology of humans and other primates. What emerging developments help us to understand the complexity of human and alloprimate lives? And what ethical dilemmas do they raise? Topics include: biocultural dynamics, multi-species entanglements and health in past and contemporary societies. *Restriction: ANTHRO 710, 726, 751, 752*

ANTHRO 766 15 Points

Landscape Archaeology

Uses geographic information systems (GIS) and other computer programmes to examine the spatial organisation of data, and the relationship of archaeological sites, features and artifacts to other archaeological remains, and the environment. The social processes underlying these spatial configurations will be a particular focus. *Restriction: ANTHRO 703*

ANTHRO 767 15 Points

Special Topic

ANTHRO 777 15 Points

Theory in Archaeology

A critical analysis of the history of archaeological method and theory focusing on issues in the philosophy of science, systematics, and major schools of thought from Antiquarianism to post-modernism. *Restriction: ANTHRO 700*

ANTHRO 780 30 Points

ANTHRO 780A 15 Points

ANTHRO 780B 15 Points

Research Project - Level 9

Restriction: ANTHRO 782

To complete this course students must enrol in ANTHRO 780 A and B, or ANTHRO 780

ANTHRO 782 30 Points

Research Essay - Level 9

Restriction: ANTHRO 754, 780

ANTHRO 790 60 Points

ANTHRO 790A 30 Points

ANTHRO 790B 30 Points

Dissertation in Anthropology

A topic in one of the sub-disciplines of Anthropology to be selected in consultation with a supervisor.

To complete this course students must enrol in ANTHRO 790 A and B, or ANTHRO 790

ANTHRO 792 45 Points

ANTHRO 792A 22.5 Points

ANTHRO 792B 22.5 Points

Dissertation in Anthropology - Level 9

A topic in one of the sub-disciplines of Anthropology to be selected in consultation with staff.

To complete this course students must enrol in ANTHRO 792 A and B, or ANTHRO 792

ANTHRO 796A 60 Points

ANTHRO 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in ANTHRO 796 A and B

ANTHRO 797A 60 Points

ANTHRO 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in ANTHRO 797 A and B

Art History

Stage I

ARTHIST 114 15 Points

Understanding Art: Leonardo to Warhol

Visual intelligence is crucial in navigating the world of images that convey coded messages, and the history of ideas fundamental to all disciplines. How do we read such images? This course decodes paintings, sculptures, prints, architecture, photography and digital images, providing tools to analyse artists from Leonardo to Warhol: experts at moving the eye around the artwork for meanings to emerge.

ARTHIST 115 15 Points

Global Art Histories

A broad survey of visual art spanning from the early modern period to the contemporary. Students will be introduced to a range of art practices situated within a global context and will consider art works produced in Māori and Pacific cultures alongside Indian, Asian, Middle Eastern, European and American traditions.

Stage II

ARTHIST 201 15 Points

Art and Revolution 1750-1850

Topics in late eighteenth and early nineteenth-century painting, sculpture and architecture in Europe, particularly France and Britain. The impact of social and industrial revolution is examined, and developments in portraiture, landscape and history painting are explored. The major artists include Constable, Turner, Goya, Reynolds, Gainsborough, David, Ingres, Gericault and Delacroix. *Prerequisite: 15 points at Stage I in Art History and 30 points passed*

Restriction: ARTHIST 321

ARTHIST 204 15 Points**Ways of Seeing Contemporary Art**

Examines some central concerns that have arisen in late modernist art, exploring the moves, intensifications and political implications of art in the post-1968 period: dematerialisation of the art object, site-specificity, the artist in a commodity culture, activism, questions of identity, notions of looking and spectatorship, interactivity, new media, contemporary censorship and debates about the place of the aesthetic.

Prerequisite: 15 points at Stage I in Art History or Media and Screen Studies, and 30 points passed

Restriction: ARTHIST 334

ARTHIST 210 15 Points**Modernism and Design**

A study of the central role played by architecture and design within twentieth-century Modernism. Dealing with function, materials, decoration and Modernist theory, the course spans the period from Art Nouveau in the 1890s to World War II. The main focus will be on Europe and the United States, with some references to New Zealand.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 310

ARTHIST 217 15 Points**Contemporary Pacific Art**

Focuses on work by contemporary Pacific artists, exploring the ways that they translate indigenous knowledge and urban experiences into gallery forms such as painting, installation, performance, film and video making. Themes such as migration and diaspora, language and memory, notions of homelands and return, and the creation of complex cultural identities will be explored.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 317

ARTHIST 224 15 Points**Power and Piety: the Baroque**

The use of art to display, enhance, and justify political power and piety and to promote political and religious ideologies in the major power centres of seventeenth-century Europe in the Baroque period. Refers to the work of artists such as Caravaggio, Bernini, Velasquez, Rubens, Rembrandt, Van Dyck, Le Brun, Jones and Wren.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 306, 324

ARTHIST 225 15 Points**Imaging the Renaissance**

An examination of the society and culture of Europe between 1400 and 1700 as expressed in print and visual images. Topics include court and merchant culture, popular cultures, religious faith and the Reformation, festivals, literacy and the book, family and marriage, food, sexualities, witchcraft, death and disease.

Prerequisite: 15 points at Stage I in Art History or History or EUROPEAN 100 or HUMS 101, and 30 points passed

Restriction: ARTHIST 325

ARTHIST 230 15 Points**Art Crime**

Explores the growing trend of art crime through a focus on five primary areas: theft, fraud, smuggling, forgery, and vandalism. These will be examined within the context of international and New Zealand case studies, including the theft of the Mona Lisa in 1911, Nazi looting in World War II,

and thefts during the Iraq War in 2003. Ways to curb such crime, particularly the development of art crime squads, will also be discussed.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 332

ARTHIST 231 15 Points**Framing the Viewer: 20th Century Art**

The rise of Modernism saw the development of art which is reflexive, which draws attention to itself and the illusion of representation, making us reflect about what art is and how it affects the viewer. This course is designed to enable students to develop their own reflexivity and critical awareness through a study of the 'classic' movements of the twentieth century, such as Cubism, Expressionism, Dada, Surrealism, Abstract Expressionism, Op, Pop and Conceptual Art.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 331

ARTHIST 233 15 Points**The Art of Gender Politics**

Explores the intersection of gender and ethnicity with the visual arts. Emphasis will be on art forms and traditions in Aotearoa/New Zealand, the United States, Canada and Australia, with some reference to the Pacific, including photography, film, jewellery, tattoo and textiles.

Prerequisite: 15 points at Stage I in Art History and 30 points passed, or 30 points in Transnational Cultures and Creative Practice

Restriction: ARTHIST 319, 333

ARTHIST 235 15 Points**Contemporary Art in Aotearoa NZ**

Focuses on contemporary art in Aotearoa New Zealand from the 1970s to the present, beginning with the later modernist period, exploring the innovations and contributions of Māori and Pākehā artists, and charting its influences and evolution into post-object, and contemporary practices. The development of Pacific art as well as practices that engage with feminism and gender are also a focus.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 103, 335

ARTHIST 236 15 Points**Artists and Patrons in Renaissance Italy**

A journey into the motivations and inspirations behind the production of art in Renaissance Italy, this course examines the social, economic, religious and political relationships between patrons, artists and artworks c.1400-c.1520 in a variety of civic, religious, familial, artistic and spatial contexts. It ranges from Florence to Milan, the Medicis to the Sforzas, Duccio to Donatello, Leonardo to Michelangelo.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 336

ARTHIST 238 15 Points**Māori Art History: Mana Taonga**

Considers Māori visual art from arrival from the Pacific to the present day. Examines how artists critically negotiated current notions of identity in their work. Forms including moko, carving, weaving, architecture, film and contemporary art are explored through key ideas such as gender politics, patronage, and repatriation. Artists

examined include Raharuhi Rukupo, Te Kooti, Pine Taiapa, Lisa Reihana and Ralph Hotere.

Prerequisite: 15 points at Stage I in Art History and 30 points passed, or 45 points in BGlobalSt courses

Restriction: ARTHIST 102, 338

ARTHIST 245

15 Points

The Art of Majesty: Tudors and Stuarts

Examines the role of art, architecture and material goods in communicating magnificence and legitimising political power in Tudor and Stuart England. Coverage includes Henry VIII, Elizabeth I, Anne of Denmark and Charles I and artists and architects such as Hans Holbein, Marcus Gheeraerts, Anthony van Dyck and Inigo Jones.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 345

ARTHIST 246

15 Points

Global History of Photography

Overview of photography's global history, beginning with proto-photographic forms and ending with a consideration of digital technology and social media. Art photography is examined alongside journalistic, scientific and ethnographic paradigms of photographic practice. Conceptual issues such as socio-cultural power relationships and diverse representations of time lie at the heart of this course.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 346

ARTHIST 247

15 Points

Special Topic

Prerequisite: 15 points at Stage I in Art History and 30 points passed

ARTHIST 248

15 Points

Special Topic: Who am I?: Photography and the Construction of Identity

Considers the camera's involvement in the construction of identity in global photography and in Aotearoa New Zealand from the 1960s to the present. Explores photography's role in representing selfhood at a time when human identities and experiences are increasingly produced and manipulated through the camera's lens, and distributed via the Internet.

Prerequisite: 15 points passed at Stage I in the BA

Restriction: ARTHIST 348

ARTHIST 249

15 Points

Special Topic: Art and Fashion

Provides an interdisciplinary study of topics in and tensions between art, fashion, clothing and textiles within a global context. Covering the sixteenth to the twenty-first century, it examines how these realms have intertwined, shaping cultural narratives, social politics and identities. Case studies encounter such themes as representation and identity, conflict and exchange, making and materiality, and consumption and consumerism.

Prerequisite: 15 points at Stage I in Art History and 30 points passed

Restriction: ARTHIST 349

Stage III

ARTHIST 310

15 Points

Modernism and Design

A study of the central role played by architecture and design within twentieth-century Modernism. Dealing with function, materials, decoration and Modernist theory, the

course spans the period from Art Nouveau in the 1890s to World War II. The main focus will be on Europe and the United States, with some references to New Zealand.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 210

ARTHIST 317

15 Points

Contemporary Pacific Art

Focuses on work by contemporary Pacific artists, exploring the ways that they translate indigenous knowledge and urban experiences into gallery forms such as painting, installation, performance, film and video making. Themes such as migration and diaspora, language and memory, notions of homelands and return, and the creation of complex cultural identities will be explored.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 217

ARTHIST 321

15 Points

Art and Revolution 1750-1850

Topics in late eighteenth and early nineteenth-century painting, sculpture and architecture in Europe, particularly France and Britain. The impact of social and industrial revolution is examined, and developments in portraiture, landscape and history painting are explored. The major artists include Constable, Turner, Goya, Reynolds, Gainsborough, David, Ingres, Gericault and Delacroix.

Prerequisite: HISTORY 224 and 15 points at Stage I in Art History or 15 points at Stage II in Art History, and 60 points passed

Restriction: ARTHIST 201

ARTHIST 324

15 Points

Power and Piety: The Baroque

The use of art to display, enhance, and justify political power and piety and to promote political and religious ideologies in the major power centres of seventeenth-century Europe in the Baroque period. Refers to the work of artists such as Caravaggio, Bernini, Velasquez, Rubens, Rembrandt, Van Dyck, Le Brun, Jones and Wren.

Prerequisite: HISTORY 243 and 15 points at Stage I in Art History or 15 points at Stage II in Art History, and 60 points passed

Restriction: ARTHIST 224, 306

ARTHIST 325

15 Points

Imaging the Renaissance

An examination of the society and culture of Europe between 1400 and 1700 as expressed in print and visual images. Topics include court and merchant culture, popular cultures, religious faith and the Reformation, festivals, literacy and the book, family and marriage, food, sexualities, witchcraft, death and disease.

Prerequisite: 15 points at Stage II in Art History or History and 60 points passed

Restriction: ARTHIST 225

ARTHIST 329

15 Points

Special Topic

Prerequisite: 15 points at Stage II in Art History and 60 points passed

ARTHIST 331

15 Points

Framing the Viewer: 20th Century Art

The rise of Modernism saw the development of art which is reflexive, which draws attention to itself and the illusion of representation, making us reflect about what art is and how it affects the viewer. This course is designed to enable students to develop their own reflexivity and critical awareness through a study of the 'classic' movements of

the twentieth century, such as Cubism, Expressionism, Dada, Surrealism, Abstract Expressionism, Op, Pop and Conceptual Art.

Prerequisite: 15 points at Stage I in Art History and 15 points from ENGLISH 206, FRENCH 244, HISTORY 241, PHIL 212, or 15 points at Stage II in Art History and 60 points passed
Restriction: ARTHIST 231

ARTHIST 332 15 Points **Art Crime**

Explores the growing trend of art crime through a focus on five primary areas: theft, fraud, smuggling, forgery, and vandalism. These will be examined within the context of international and New Zealand case studies, including the theft of the Mona Lisa in 1911, Nazi looting in World War II, and thefts during the Iraq War in 2003. Ways to curb such crime, particularly the development of art crime squads, will also be discussed.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 230

ARTHIST 333 15 Points **The Art of Gender Politics**

Explores the intersection of gender and ethnicity with the visual arts. Emphasis will be on art forms and traditions in Aotearoa/New Zealand, the United States, Canada and Australia, with some reference to the Pacific, including photography, film, jewellery, tattoo and textiles.

Prerequisite: GENDER 208 and 15 points at Stage I in Art History, or 15 points at Stage II in Art History and 60 points passed, or 30 points in Transnational Cultures and Creative Practice

Restriction: ARTHIST 233, 319

ARTHIST 334 15 Points **Ways of Seeing Contemporary Art**

Examines some central concerns that have arisen in late modernist art, exploring the moves, intensifications and political implications of art in the post-1968 period: dematerialisation of the art object, site-specificity, the artist in a commodity culture, activism, questions of identity, notions of looking and spectatorship, interactivity, new media, contemporary censorship and debates about the place of the aesthetic.

Prerequisite: Any 30 points from Art History, History, Media and Screen Studies, or Philosophy

Restriction: ARTHIST 204

ARTHIST 335 15 Points **Contemporary Art in Aotearoa NZ**

Focuses on contemporary art in Aotearoa New Zealand from the 1970s to the present, beginning with the later modernist period, exploring the innovations and contributions of Māori and Pākehā artists, and charting its influences and evolution into post-object, and contemporary practices. The development of Pacific art as well as practices that engage with feminism and gender are also a focus.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 103, 235

ARTHIST 336 15 Points **Artists and Patrons in Renaissance Italy**

A journey into the motivations and inspirations behind the production of art in Renaissance Italy, this course examines the social, economic, religious and political relationships between patrons, artists and artworks c.1400-c.1520 in a variety of civic, religious, familial, artistic and spatial

contexts. It ranges from Florence to Milan, the Medicis to the Sforzas, Duccio to Donatello, Leonardo to Michelangelo.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 236

ARTHIST 338 15 Points **Māori Art History: Mana Taonga**

Considers Māori visual art from arrival from the Pacific to the present day. Examines how artists critically negotiated current notions of identity in their work. Forms including moko, carving, weaving, architecture, film and contemporary art are explored through key ideas such as gender politics, patronage, and repatriation. Artists examined include Raharuhi Rukupo, Te Kooti, Pine Taiapa, Lisa Reihana and Ralph Hotere.

Prerequisite: At least 15 points from ANTHRO 207, HISTORY 252 and 15 points at Stage I in Art History or 15 points at Stage II in Art History and 60 points passed, or 30 points at Stage II in BGlobalSt courses

Restriction: ARTHIST 102, 238

ARTHIST 345 15 Points **The Art of Majesty: Tudors and Stuarts**

Examines the role of art, architecture and material goods in communicating magnificence and legitimising political power in Tudor and Stuart England. Coverage includes Henry VIII, Elizabeth I, Anne of Denmark and Charles I and artists and architects such as Hans Holbein, Marcus Gheeraerts, Anthony van Dyck and Inigo Jones.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 245

ARTHIST 346 15 Points **Global History of Photography**

Overview of photography's global history, beginning with proto-photographic forms and ending with a consideration of digital technology and social media. Art photography is examined alongside journalistic, scientific and ethnographic paradigms of photographic practice. Conceptual issues such as socio-cultural power relationships and diverse representations of time lie at the heart of this course.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 246

ARTHIST 348 15 Points **Special Topic: Who am I?: Photography and the Construction of Identity**

Considers the camera's involvement in the construction of identity in global photography and in Aotearoa New Zealand from the 1960s to the present. Explores photography's role in representing selfhood at a time when human identities and experiences are increasingly produced and manipulated through the camera's lens, and distributed via the Internet.

Prerequisite: 15 points passed at Stage II in the BA

Restriction: ARTHIST 248

ARTHIST 349 15 Points **Special Topic: Art and Fashion**

Provides an interdisciplinary study of topics in and tensions between art, fashion, clothing and textiles within a global context. Covering the sixteenth to the twenty-first century, it examines how these realms have intertwined, shaping cultural narratives, social politics and identities. Case studies encounter such themes as representation and

identity, conflict and exchange, making and materiality, and consumption and consumerism.

Prerequisite: 15 points at Stage II in Art History and 60 points passed

Restriction: ARTHIST 249

Postgraduate 700 Level Courses

ARTHIST 700 30 Points

ARTHIST 700A 15 Points

ARTHIST 700B 15 Points

Participation, Collaboration, and Photography

Explores a range of increasingly prevalent artistic practice grounded in artistic collaboration and audience participation that are typically mediated through photographic documentation. Considering work by artists such as Thomas Hirschhorn, Tania Bruguera, and Sophie Calle, this course covers topics such as relational aesthetics, site-specificity and pedagogical interventions into public space.

To complete this course students must enrol in ARTHIST 700 A and B, or ARTHIST 700

ARTHIST 701 30 Points

ARTHIST 701A 15 Points

ARTHIST 701B 15 Points

Art for the City and the Court

Examines the production, patronage and display of art and its function within the political, religious and social frameworks of the early modern court and the city. It focuses on Amsterdam and The Hague in the Dutch Republic and London as the epicentre of the Stuart court. The full panoply of visual and material culture are discussed including painting, sculpture, tapestries, clothing, jewellery and interior decoration.

To complete this course students must enrol in ARTHIST 701 A and B, or ARTHIST 701

ARTHIST 715 15 Points
Special Topic

ARTHIST 722 30 Points

ARTHIST 722A 15 Points

ARTHIST 722B 15 Points

Rembrandt and the Dutch Golden Age

A broad range of critical approaches to the art and life of Rembrandt. The course is taught in seven modules: these comprise the socio-political milieu in which he worked, the historical documents of his life, the artworks he produced, the technical aspects of his work, the organisation of his studio and mechanics of the art market, the issue of authorship and the critical reception of his life and work.

Restriction: ARTHIST 737

To complete this course students must enrol in ARTHIST 722 A and B, or ARTHIST 722

ARTHIST 725 30 Points

ARTHIST 725A 15 Points

ARTHIST 725B 15 Points

Concepts in Contemporary Art

Examines the cross-fertilisation of theory and praxis, philosophy and art, materialism and idealism in the arts. It will be taught in four thematic units – Body/Mind; Representation/Experience; Self/Other and Materialism/Conceptualism – testing how visual theory bridges the gap between these dual terms. Students will learn to apply a number of important critical theories to their understanding

of art, and importantly, to fine-tune those theories through visual experience.

Restriction: ARTHIST 724, 729

To complete this course students must enrol in ARTHIST 725 A and B, or ARTHIST 725

ARTHIST 726 15 Points

Special Study

Directed study on a topic or topics approved by the Academic Head.

ARTHIST 727 15 Points

Art in Context: Study Abroad

Highlights the importance of studying original artworks in context. Contexts for artworks include the original setting, such as a palace, monastery, or town hall, to wider examinations of the socio-historical situations in which they were created. In addition, new museological contexts for artworks offer insight into the display and interpretation of visual culture.

Restriction: ARTHIST 327

ARTHIST 728 30 Points

ARTHIST 728A 15 Points

ARTHIST 728B 15 Points

Special Topic

To complete this course students must enrol in ARTHIST 728 A and B, or ARTHIST 728

ARTHIST 730 30 Points

ARTHIST 730A 15 Points

ARTHIST 730B 15 Points

Exploring Pacific Art

Focuses on a range of Māori and Pacific art forms. Themes dealt with include indigenous and migrant voices, memory and notions of belonging, popular culture and its interface with gallery practices, and stereotypes and representation. These topics will be discussed alongside relevant Māori and Pacific writers and theorists, including Ngahuia Te Awetokutu, Albert Wendt and Epeli Hau'ofa.

Restriction: ARTHIST 732, 736

To complete this course students must enrol in ARTHIST 730 A and B, or ARTHIST 730

ARTHIST 731 15 Points

Sites of Resistance

Focuses on issues and implications of colonialism and its role in relation to the creation and expression of cultural identities. Classes revolve around close discussions of key readings and their implications in relation to contemporary art practice. There will be particular emphasis on the mediums of film, video, photography, multimedia and performance. Topics include border art, gender issues and counter-curating.

Restriction: ARTHIST 712

ARTHIST 732 15 Points

Topics in Pacific Art and Visual Culture

Focuses on a range of Pacific art forms and aspects of visual culture. Topics include indigenous and migrant voices, memory and notions of belonging, popular culture and its interface with gallery practice and stereotypes and representation. A range of art works and issues are discussed alongside relevant Pacific writers and theorists, including Ngahuia Te Awetokutu, Albert Wendt and Epeli Hau'ofa.

Restriction: ARTHIST 730

ARTHIST 733 15 Points

Special Topic

ARTHIST 734	30 Points
ARTHIST 734A	15 Points
ARTHIST 734B	15 Points

Art Writing and Curatorial Practice

Explores the basic principles of curatorial practice and art writing. It will open up professional opportunities for students interested in working with art galleries and museums, and will focus on developing comprehensive art writing skills.

To complete this course students must enrol in ARTHIST 734 A and B, or ARTHIST 734

ARTHIST 737	15 Points
Special Topic	

ARTHIST 738	30 Points
ARTHIST 738A	15 Points
ARTHIST 738B	15 Points
Special Topic	

To complete this course students must enrol in ARTHIST 738 A and B, or ARTHIST 738

ARTHIST 790	30 Points
ARTHIST 790A	15 Points
ARTHIST 790B	15 Points

Research Project - Level 9

To complete this course students must enrol in ARTHIST 790 A and B, or ARTHIST 790

ARTHIST 791	60 Points
ARTHIST 791A	30 Points
ARTHIST 791B	30 Points

Dissertation - Level 9

To complete this course students must enrol in ARTHIST 791 A and B, or ARTHIST 791

ARTHIST 792	45 Points
ARTHIST 792A	22.5 Points
ARTHIST 792B	22.5 Points

Dissertation - Level 9

To complete this course students must enrol in ARTHIST 792 A and B, or ARTHIST 792

ARTHIST 793	15 Points
ARTHIST 793A	7.5 Points
ARTHIST 793B	7.5 Points

Research Essay - Level 9

A 5000 word supervised research essay selected by the student and the Academic Head or nominee in consultation.
To complete this course students must enrol in ARTHIST 793 A and B, or ARTHIST 793

ARTHIST 795A	60 Points
ARTHIST 795B	60 Points

Research Portfolio - Level 9

To complete this course students must enrol in ARTHIST 795 A and B

ARTHIST 796A	60 Points
ARTHIST 796B	60 Points

Thesis - Level 9

To complete this course students must enrol in ARTHIST 796 A and B

Arts General

Foundation Courses

ARTSGEN 92F	15 Points
Introduction to Arts and Humanities	

An interdisciplinary, skills-based course which takes students through a special research topic with input from a number of different Arts and Arts-related disciplines. This not only provides students with research experience; it also assists them in making subject choices for Stage I by introducing them to different disciplines and subject areas in the arts and humanities.

Restriction: ARTSGEN 92P

Stage I

ARTSGEN 103	15 Points
ARTSGEN 103G	15 Points

Ko Wai Tātou? Who Are We?

Ko wai tātou? Who are we? Who are our people and communities? What do our ideas about who we are mean for relations of in/equality or how we experience belonging individually and collectively? In addressing these questions, this course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding.

ARTSGEN 104	15 Points
Te Pārekereke	

Offers students the opportunity to improve their mastery of skills necessary for success in university study, including time and workload management, written communication, note taking, academic writing, successful use of the library, and approaches to research. Introduces students to University structures, systems, and resources. Helps students assess their own needs and understand where to secure further support.

Stage III

ARTSGEN 300	15 Points
Directed Study	

Directed study on a topic or topics approved by the Academic Head.

Prerequisite: Approval of the relevant Academic Head or nominee concerned and faculty is required

Postgraduate 700 Level Courses

ARTSGEN 740	15 Points
ARTSGEN 740A	7.5 Points
ARTSGEN 740B	7.5 Points
Research Essay - Level 9	

To complete this course students must enrol in ARTSGEN 740 A and B, or ARTSGEN 740

ARTSGEN 777	15 Points
Special Language Studies 1	

Study at an approved overseas institution where the language of instruction is a language other than English. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of achievement in the language concerned, together with any other work specified by the Academic Head or nominee.

Prerequisite: Approval of Academic Head or nominee for language subject concerned. A student must be enrolled

for the BA(Hons) or MA, and for this course, before starting overseas study

ARTSGEN 778 30 Points

Special Language Studies 2

As for ARTSGEN 777. The overseas study, together with any other work required by the Academic Head or nominee, is to be equivalent in volume to a 30 point course.

ARTSGEN 780 30 Points

ARTSGEN 780A 15 Points

ARTSGEN 780B 15 Points

Research Essay - Level 9

To complete this course students must enrol in ARTSGEN 780 A and B, or ARTSGEN 780

ARTSGEN 792 45 Points

ARTSGEN 792A 22.5 Points

ARTSGEN 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in ARTSGEN 792 A and B, or ARTSGEN 792

ARTSGEN 794A 45 Points

ARTSGEN 794B 45 Points

Thesis - Level 9

To complete this course students must enrol in ARTSGEN 794 A and B

ARTSGEN 796A 60 Points

ARTSGEN 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in ARTSGEN 796 A and B

ARTSGEN 797A 60 Points

ARTSGEN 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in ARTSGEN 797 A and B

Arts Scholars

Stage I

ARTSCHOL 100A 7.5 Points

ARTSCHOL 100B 7.5 Points

Arts Scholars 1

An interdisciplinary seminar on a thematic subject of general interest determined by the convenor from semester to semester.

Prerequisite: Enrolment by application as approved by the Academic Head or nominee

To complete this course students must enrol in ARTSCHOL 100 A and B

Stage II

ARTSCHOL 200A 7.5 Points

ARTSCHOL 200B 7.5 Points

Arts Scholars 2

An interdisciplinary seminar on great works in Arts to be determined by the convenor from semester to semester.

Prerequisite: B or higher in ARTSCHOL 100 or approval of Academic Head or nominee

To complete this course students must enrol in ARTSCHOL 200 A and B

Stage III

ARTSCHOL 300A 7.5 Points

ARTSCHOL 300B 7.5 Points

Arts Scholars 3

Essay, project or directed study, involving individual or group-based work in one subject or interdisciplinary work involving more than one subject.

Prerequisite: B or higher in ARTSCHOL 200 or approval of Academic Head or nominee

To complete this course students must enrol in ARTSCHOL 300 A and B

Asian Studies

Stage I

ASIAN 100 15 Points

Images of Asia

An interdisciplinary introduction to the histories and cultures of East Asian societies, exploring their development, their engagement with each other over time, and what makes them the societies that they are today.

Restriction: HISTORY 135

ASIAN 140 15 Points

New Zealand and Asia

Explores Asia and its interrelationship with New Zealand, including Asia's growing presence in New Zealand in all its manifestations, and the evolving political, social, economic, cultural, and strategic relations between this country and Asia. Topics will include historical and contemporary ties with Asia, Asian migration, literature, media and films. The course will focus especially on South-East and East Asia.

Stage II

ASIAN 200 15 Points

Asian Identities

Students will explore the changing and contested nature of Asian identities in the past and present, through an interdisciplinary study of historical texts, anthropological writings, literature, and film. Considers the relationships between the body and identity, as well as between individuals, society, culture, and nation in the East Asian context, touching upon health, beauty, food, family, gender, and religion.

Prerequisite: ASIAN 100 or 30 points in Gender Studies or 45 points in BGlobalSt courses

Restriction: ASIAN 303

ASIAN 202 15 Points

Special Topic

Prerequisite: 45 points at Stage I in BA courses

ASIAN 203 15 Points

Special Topic

Prerequisite: 45 points at Stage I in BA courses

ASIAN 204 15 Points

Asian Diasporas

Focuses on three major diasporic groups in Asia: Chinese, Korean and Japanese. Comparisons will be made among the three diasporic groups of overseas Koreans, Japanese and Chinese in their migration patterns, modes of adaptation, and transnational life styles.

Prerequisite: 45 points at Stage I in BA courses or 45 points in BGlobalSt courses

Restriction: ASIAN 302

ASIAN 209 15 Points**Transnational Asia: Korea and its Neighbours**

Critically engages the current debates surrounding the concept and movement of “transnational Asia” and the possibility of reconciliation among China, Japan and the two Koreas. Examines the historical, cultural and ideological sources and recent development of this new form of regionalism, in addition to such challenges as Chinese hegemony and competing nationalism in the region.

Prerequisite: ASIAN 100 or KOREAN 120 and 45 points at Stage I in BA

Restriction: ASIAN 309, 753

Stage III**ASIAN 300 15 Points****Special Study**

Independent student research conducted under the supervision of one or more lecturers.

Prerequisite: Approval of Academic Head or nominee

ASIAN 302 15 Points**Asian Diasporas**

Focuses on three major diasporic groups in Asia: Chinese, Korean and Japanese. Compares the migration patterns, modes of adaptation and transnational lifestyles of overseas Chinese, Japanese and Koreans.

Prerequisite: 30 points at Stage II in BA or BGlobalSt courses

Restriction: ASIAN 204

ASIAN 303 15 Points**Asian Identities**

Students will explore the changing and contested nature of Asian identities in the past and present through an interdisciplinary study of historical texts, anthropological writings, literature and film. Considers the relationships between the body and identity as well as between individuals, society, culture and nation in the East Asian context, touching upon health, beauty, food, family, gender and religion.

Prerequisite: ASIAN 100 and 30 points at Stage II in BA, or GENDER 100 and 30 points at Stage II in BA courses, or 30 points at Stage II in BGlobalSt courses

Restriction: ASIAN 200

ASIAN 304 15 Points**Special Topic**

Prerequisite: ASIAN 100 and 30 points at Stage II in BA courses, or 30 points at Stage II in BGlobalSt courses

ASIAN 309 15 Points**Transnational Asia: Korea and its Neighbours**

Aims to critically engage the current debates surrounding the concept and movement of “transnational Asia” and the possibility of reconciliation among China, Japan and the two Koreas. Examines the historical, cultural, and ideological sources and recent development of this new form of regionalism, as well as such challenges as Chinese hegemony and competing nationalism in the region.

Prerequisite: ASIAN 100 or KOREAN 120 and 30 points at Stage II in BA

Restriction: ASIAN 209, 753

Postgraduate 700 Level Courses**ASIAN 702 30 Points****Approaches to Research in Asian Studies**

The theories and methods of research in history, literature and cultural studies in an Asian context, including practical

instruction in the skills involved in developing individual research projects.

Restriction: ASIAN 700

ASIAN 708 15 Points**Religion in Modern Japanese Society**

The aim of this course is to understand the role of religious beliefs, practices, and institutions in modern Japanese society. Topics to be covered include the “invention” of State Shinto and its role in nation-building, the decline of established temple Buddhism, the emergence and impact of new religious movements, and social conflict related to religion-state issues in the postwar period.

Restriction: JAPANESE 308

ASIAN 710 30 Points**Translation Project**

The translation of a text or texts, translator's note and an extensive glossary of the terminology of the field.

ASIAN 711 30 Points**Research Project in Translation - Level 9**

Theoretical aspects of translation.

ASIAN 712 45 Points**Dissertation on Translation - Level 9**

Theoretical aspects of translation.

ASIAN 752 15 Points**A Course-linked Research Topic**

A research topic related to another course in which the student is enrolled.

ASIAN 754 30 Points**Special Topic****ASIAN 755 15 Points****Directed Study****ASIAN 756 30 Points****Directed Study****ASIAN 757 15 Points****Research Essay - Level 9****ASIAN 758 30 Points****ASIAN 758A 15 Points****ASIAN 758B 15 Points****Research Essay - Level 9**

To complete this course students must enrol in ASIAN 758 A and B, or ASIAN 758

ASIAN 759 45 Points**Research Essay - Level 9****ASIAN 780 30 Points****ASIAN 780A 15 Points****ASIAN 780B 15 Points****Research Project - Level 9**

To complete this course students must enrol in ASIAN 780 A and B, or ASIAN 780

ASIAN 791 60 Points**Dissertation - Level 9****ASIAN 792A 22.5 Points****ASIAN 792B 22.5 Points****Dissertation - Level 9**

To complete this course students must enrol in ASIAN 792 A and B

ASIAN 793A	45 Points
ASIAN 793B	45 Points
Thesis - Level 9	
<i>To complete this course students must enrol in ASIAN 793 A and B</i>	
ASIAN 796A	60 Points
ASIAN 796B	60 Points
Thesis - Level 9	
<i>To complete this course students must enrol in ASIAN 796 A and B</i>	
ASIAN 797A	60 Points
ASIAN 797B	60 Points
Research Portfolio - Level 9	
<i>To complete this course students must enrol in ASIAN 797 A and B</i>	

Career

Stage I

CAREER 100	15 Points
Crafting your Career	
What is employability? The world of work is changing rapidly. Crafting your Career uses project-based, collaborative, problem-solving exercises to assist students in readying themselves for life after the degree. The course aims to build students' work-readiness by enhancing their understanding of a variety of workplaces, while developing the skills employers regard as essential to career success.	
<i>Prerequisite: 60 points passed</i>	
<i>Restriction: ARTSGEN 102, POPLHLTH 300, 302</i>	

CAREER 101	15 Points
Understanding Your Workplace	
Enables students to build on existing paid work or voluntary service external to their University studies while learning about the dynamics of cultures within professional or organisational settings. Students will research how their target organisation functions, will consider other forms of workplace environment and will demonstrate how their own activities contribute to personal and professional development.	
<i>Prerequisite: 60 points passed</i>	
<i>Restriction: CAREER 200</i>	

Stage III

CAREER 300	15 Points
Internship	
Enables students to gain workplace experience and to develop new skills, contacts and networks in a setting relevant to personal career interests. Students will undertake an internship project at a business or community enterprise. Academic content will include preparation before, and self-reflection and reporting after the placement. Consideration will be given to overseas as well as locally-based opportunities.	
<i>Prerequisite: 60 points passed at Stage II with a Grade Point Average of 6.0 or higher and Dean or nominee approval</i>	
<i>Restriction: ARTSGEN 301, COMMS 307</i>	

Chinese

Stage I

CHINESE 100	15 Points
CHINESE 100G	15 Points
Beginning Modern Chinese 1	
Introduces students to modern Standard Chinese (Mandarin, <i>Putonghua</i>) through exercises and activities to develop speaking, listening, reading and writing skills. Also introduces the social and cultural background of the language.	
<i>Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed</i>	
CHINESE 101	15 Points
Beginning Modern Chinese 2	
Continues to develop students' Chinese proficiency in speaking, listening, reading, writing skills and cultural literacy.	
<i>Prerequisite: CHINESE 100</i>	
<i>Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed</i>	

CHINESE 130	15 Points
Rethinking China	
An introduction to the artistic, literary, historical and philosophical heritage of China, allowing students to engage with stimulating texts from historical times to the modern period. Taught in English.	

CHINESE 178	15 Points
Chinese Study Abroad 1	
Formal language study in an approved overseas institution where instruction is in Mandarin Chinese. May not be taken if a more advanced language acquisition course in this subject has previously been passed.	
<i>Prerequisite: Approval of Academic Head or nominee</i>	

Stage II

CHINESE 200	15 Points
Intermediate Modern Chinese 1	
Further develops students' listening, speaking, reading and writing proficiency. Students who successfully complete the course will be familiar with most of the topics related to everyday life and can communicate in a limited range of contexts.	
<i>Prerequisite: CHINESE 101</i>	
<i>Restriction: CHINESE 202. May not be taken if a more advanced language acquisition course in this subject has previously been passed</i>	

CHINESE 201	15 Points
Intermediate Modern Chinese 2	
Further develops students' listening, speaking, reading and writing skills and introduces the formal register of the language. By the end of the course students can handle daily situations with increasing accuracy.	
<i>Prerequisite: CHINESE 200</i>	
<i>Restriction: CHINESE 202. May not be taken if a more advanced language acquisition course in this subject has previously been passed</i>	

CHINESE 202	15 Points
Chinese for Heritage Speakers	
Designed for students who have lived in a Mandarin-speaking environment, but who have limited ability to read and write in Mandarin. This course covers the basic	

vocabulary and grammatical structures of Modern Standard Chinese with a focus on reading and writing skills.

Prerequisite: Approval of Academic Head or nominee

Restriction: CHINESE 100, 101, 110, 200, 201. May not be taken if a more advanced language acquisition course in this subject has previously been passed

CHINESE 203 **15 Points**
China on Screen

The transformation of China's contemporary cultures and communities can be charted through film. This course uses films from the 1930s until this century to examine the development and contestation of the Chinese nation. Several films will be compared with their literary originals in translation.

Prerequisite: 15 points from ASIAN 100, CHINESE 130, COMMS 100, JAPANESE 150, KOREAN 120, MEDIA 101, 102 and 30 points passed

Restriction: CHINESE 303

CHINESE 213 **15 Points**
Special Topic

Prerequisite: CHINESE 101 or 110 or 130

CHINESE 277 **15 Points**
Chinese Study Abroad 2A

Formal study in Chinese in an approved overseas university. Enrolment requires the approval of the Programme Coordinator.

Prerequisite: Approval of Academic Head or nominee

CHINESE 278 **15 Points**
Chinese Study Abroad 2B

Formal study in Chinese in an approved overseas university. Enrolment requires the approval of the Programme Coordinator.

Prerequisite: Approval of Academic Head or nominee

Stage III

CHINESE 300 **15 Points**
Advanced Modern Chinese 1

Further develops students' listening, speaking, reading and writing skills through exploring Chinese culture and society. Builds on previous study of Chinese with an emphasis on developing independent skills to operate confidently in a Chinese-speaking environment.

Prerequisite: CHINESE 201

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

CHINESE 301 **15 Points**
Advanced Modern Chinese 2

Builds on the knowledge gained from prior Chinese study and helps develop independent and confident skills as a proficient user of Chinese. Texts covering various aspects of Chinese society, culture and literature will be read to strengthen knowledge of Chinese grammar and vocabulary, develop skills in both written and spoken Chinese, and provide a deeper understanding of contemporary Chinese culture.

Prerequisite: CHINESE 300

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

CHINESE 302 **15 Points**
Advanced Chinese Reading and Writing

Designed for students studying Chinese language at an

advanced level, this course focuses on strengthening reading and writing skills.

Prerequisite: CHINESE 202 or 301 or approval by Academic Head or nominee

CHINESE 303 **15 Points**
China on Screen

The transformation of China's contemporary cultures and communities can be charted through film. This course uses films from the 1930s until this century to examine the development and contestation of the Chinese nation. Several films will be compared with their literary originals in translation.

Prerequisite: 30 points at Stage II in Asian Studies or Media, Film and Television, or CHINESE 130 and 15 points at Stage II in Asian Studies

Restriction: CHINESE 203

CHINESE 306 **15 Points**
Chinese Translation

Develops students' competence in translating between Chinese and English in a variety of subject areas, such as trade, tourism, law, literature, or finance, and in different text types. You will learn skills that will help you critically analyse and accurately translate more complex documents, preserving the essence and integrity of the text that require subject knowledge and in-depth research.

Prerequisite: CHINESE 301 or equivalent proficiency

Restriction: TRANSLAT 300, 716

CHINESE 313 **15 Points**
Special Topic

Prerequisite: 30 points at Stage II in Chinese

CHINESE 339 **15 Points**
Chinese Linguistics

Examining the key Chinese linguistic concepts relevant to the learning and teaching of Chinese as a foreign language, including but not limited to phonetics, phonology, morphology, syntax, writing systems, Chinese dialects and sociolinguistics.

Prerequisite: CHINESE 201 or approval by Academic Head or nominee

CHINESE 377 **15 Points**
Chinese Study Abroad 3A

Formal study in Chinese in an approved overseas university. Enrolment requires the approval of the Programme Coordinator.

Prerequisite: Approval of Academic Head or nominee

CHINESE 378 **15 Points**
Chinese Study Abroad 3B

Formal study in Chinese in an approved overseas university. Enrolment requires the approval of the Programme Coordinator.

Prerequisite: CHINESE 377 and approval of Academic Head or nominee

Postgraduate 700 Level Courses

CHINESE 724 **30 Points**
Chinese Film and Popular Culture

Chinese feature films and other popular cultural phenomena (e.g., music, television, fashion, the internet) provide a medium for understanding a society undergoing rapid change. The emphasis is on contemporary developments, including youth cultures and Beijing from the 1960s to the present day. No knowledge of Chinese language required.

CHINESE 729A	15 Points	CHINESE 777	15 Points
CHINESE 729B	15 Points	Chinese Study Abroad I	
Special Topic		Formal study in an approved overseas institution where instruction is in Chinese. This course is not suitable for native speakers of Chinese. Enrolment requires the approval of the Academic Head or nominee.	
<i>To complete this course students must enrol in CHINESE 729 A and B</i>			
CHINESE 730	15 Points	CHINESE 778	15 Points
CHINESE 730A	7.5 Points	Chinese Study Abroad II	
CHINESE 730B	7.5 Points	Formal study in an approved overseas institution where instruction is in Chinese. This course is not suitable for native speakers of Chinese. Enrolment requires the approval of the Academic Head or nominee.	
Directed Study			
<i>To complete this course students must enrol in CHINESE 730 A and B, or CHINESE 730</i>			
CHINESE 731	45 Points	CHINESE 780	30 Points
Research Essay - Level 9		CHINESE 780A	15 Points
CHINESE 732	30 Points	CHINESE 780B	15 Points
Directed Study		Research Project - Level 9	
CHINESE 737	15 Points	<i>To complete this course students must enrol in CHINESE 780 A and B, or CHINESE 780</i>	
Research Essay - Level 9			
CHINESE 739	15 Points	CHINESE 782	30 Points
Educational Linguistics in Chinese		Research Essay - Level 9	
Systemically reviews the Chinese language system and key educational linguistic concepts for teaching and learning Chinese as a Second Language. The course will help students gain a solid understanding of the characteristics and development of the Chinese language, including but not limited to Chinese phonetics, dialects, characters, morphemes and words, lexical changes, sentence structures, stylistic issues and genres.		CHINESE 791	60 Points
<i>Prerequisite: CHINESE 301 or equivalent</i>		Dissertation - Level 9	
<i>Restriction: CHINESE 707</i>		CHINESE 792	45 Points
CHINESE 740	15 Points	CHINESE 792A	22.5 Points
Chinese Teaching Pedagogy		CHINESE 792B	22.5 Points
Critically investigates the pedagogical-content knowledge for teaching Chinese to speakers of other languages. Designed for students to develop practical pedagogical approaches to teach the following five content areas: pronunciation, characters, grammar, discourse and culture. Students will have opportunities to explore different strategies for engaging learners in Chinese language classrooms in schools, universities and the community.		Dissertation - Level 9	
<i>Prerequisite: CHINESE 301 or equivalent</i>		<i>To complete this course students must enrol in CHINESE 792 A and B, or CHINESE 792</i>	
<i>Restriction: CHINESE 708</i>			
CHINESE 743	15 Points	CHINESE 793A	45 Points
Acquisition of Chinese		CHINESE 793B	45 Points
Critically examines the most recent research on, and good practice in, the complex process of acquiring Chinese as a second language. Covers topics related to the relationship between Chinese and students' first language; individual students' different learning beliefs, motivation and autonomy; bilingualism; and the development of needs analyses for young and adult learners of Chinese.		Thesis - Level 9	
<i>Restriction: CHINESE 709</i>		<i>To complete this course students must enrol in CHINESE 793 A and B</i>	
CHINESE 742	15 Points	CHINESE 796A	60 Points
Professional Learning for Chinese Teachers		CHINESE 796B	60 Points
Explores advanced theories and practices relevant to teaching the Chinese language in different social and educational contexts. Focused on developing advanced intercultural competence and professional skills. Students will develop and apply new skills and techniques based on research and practice at the cutting-edge of the field.		Thesis - Level 9	
<i>Prerequisite: Must have attained a proficiency level in Chinese of at least HSK level 5 or its equivalent</i>		<i>To complete this course students must enrol in CHINESE 796 A and B</i>	
<i>Restriction: CHINESE 710</i>		CHINESE 797A	60 Points
		CHINESE 797B	60 Points
		Research Portfolio - Level 9	
		<i>To complete this course students must enrol in CHINESE 797 A and B</i>	

Classical Studies and Ancient History

Stage I

ANCIENT 100	15 Points
Ancient Egyptian History	
A broad overview of ancient Egyptian society and history. It encompasses the approximately 2000 years between the early period of formation of the state of Egypt and the end of the New Kingdom. A focus on political history forms the framework for discussions of the art, literature, and religion of the period.	
<i>Restriction: ANCHIST 100</i>	
ANCIENT 102	15 Points
Ancient Greek History	
An introduction to Greek history and civilisation from the	

Bronze Age to the death of Alexander the Great utilising both archaeological evidence and literary sources.

Restriction: ANCHIST 102

ANCIENT 103 **Roman History** **15 Points**

An introduction to the civilisation and history of Ancient Rome, with particular reference to the Republic and Early Empire.

Restriction: ANCHIST 103

ANCIENT 104 **The World of Cleopatra** **15 Points**

Explores the history and cultures of ancient Egypt, Greece, and Rome using Cleopatra VII as the anchor. It uses ancient evidence, from the newest archaeological discoveries to the works of classical literature and analyses the legacy and reception of Cleopatra.

Restriction: ANCHIST 110

ANCIENT 110 **15 Points**

ANCIENT 110G **15 Points**

Classical Mythology

A study of ancient mythology – its gods, heroes and monsters – through the works of major writers and artists from Greece and either Rome or Egypt.

Restriction: CLASSICS 110, 110G

ANCIENT 130 **Love and Death in Greek and Roman Literature** **15 Points**

A study of selected literary texts from ancient Greece and Rome that deal with two themes that continue to be relevant today.

Restriction: CLASSIC 130

Stage II

ANCIENT 200 **Greek and Roman Epic Poetry** **15 Points**

Examines several epics in translation to explore what made ancient Greek and Roman epics distinctive and how they fit within the wider history of epic poetry around the world. Topics will include oral composition and performance, themes and styles of different epics, and the roles that epics played in culture, mythology, and religion.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, Classical Studies and Ancient History, or GREEK 101 or LATIN 101, and 30 points passed

Restriction: ANCIENT 300, CLASSICS 210, 310

ANCIENT 201 **Special Topic** **15 Points**

ANCIENT 210 **Egyptian Language 1A** **15 Points**

A study of the Egyptian language, hieroglyphic writing and selected documents up to Dynasty 18.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies or Classical Studies and Ancient History and 30 points passed

Restriction: ANCHIST 210

ANCIENT 211 **Ancient Greek Language 1** **15 Points**

An introduction to the study and use of the Ancient Greek language.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies or Classical Studies and Ancient History and 30 points passed

Restriction: ANCIENT 221, 311, 321, GREEK 100-310

ANCIENT 214 **15 Points**

Special Topic: Ancient Barbarians and Others

Examines the history of the idea of the barbarian in the ancient world, case-studies of late Roman barbarian kingdoms such as the Vandals and Goths, and modern receptions of ancient ideas about barbarians and barbarity from the nineteenth century to the present.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, or Classical Studies and Ancient History, or GREEK 101 or LATIN 101, and 30 points passed

Restriction: ANCIENT 314, HISTORY 254, 354

ANCIENT 215 **15 Points**

Special Topic: Hellenistic Society

Examines the Hellenistic Period from Alexander the Great to Cleopatra VII as an era of cultural contact and exchange. Considers the narrative of this dynamic period. Develops understanding of the intersection of Greek, Egyptian, Achaemenid, Near Eastern, and Roman traditions in the vast regions ruled by Alexander's successors through the lenses of structures, places, ideas, and anxieties.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, or Classical Studies and Ancient History, or GREEK 101 or LATIN 101, and 30 points passed

Restriction: ANCIENT 315

ANCIENT 216 **Sex and Power in Greece and Rome** **15 Points**

Many Greek and Roman literary works and historical sources deal with sex and power. This course will explore a range of ancient literary representations of women, men, femininity, masculinity, sexual practices and sexual prejudices. Students will study how ancient authors were influenced by the socio-political context and the constraints of different literary genres. All texts will be read in translation.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, Classical Studies and Ancient History, Gender Studies, or GREEK 101 or LATIN 101, and 30 points passed

Restriction: ANCIENT 316, CLASSICS 216, 316

ANCIENT 217 **Special Topic** **15 Points**

Prerequisite: 15 points at Stage I in Classical Studies and Ancient History, and 30 points passed

Restriction: ANCIENT 317

ANCIENT 220 **Egyptian Language 1B** **15 Points**

Further study of the Egyptian language, hieroglyphic writing and selected documents up to Dynasty 18.

Prerequisite: ANCHIST 210 or ANCIENT 210

Restriction: ANCHIST 220

ANCIENT 221 **Ancient Greek Language 2** **15 Points**

Builds on skills and approaches to the Ancient Greek language developed in ANCIENT 211.

Prerequisite: ANCIENT 211 or GREEK 100

Restriction: ANCIENT 311, 321, GREEK 100-310

ANCIENT 251 **Ancient Egyptian Art: Icon and Narrative** **15 Points**

A chronological study of the art and architecture of ancient Egypt, from the predynastic period to the end of the New Kingdom, examining trends and styles in all forms of ancient art in Egypt.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, Classical Studies and Ancient History or Art History, and 30 points passed

Restriction: ANCHIST 251, 351, ANCIENT 351

ANCIENT 252 15 Points
Egyptian Religion

A study of ancient Egyptian religion from the Early Dynastic period through to the end of the Late Period. The course will examine religious practice as well as religious thought, and will consider the patterns of belief throughout the ancient period of Egypt's history.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, or Classical Studies and Ancient History, and 30 points passed

Restriction: ANCHIST 252, 352, ANCIENT 352

ANCIENT 253 15 Points
Early Egypt

Covers the earliest periods of Egypt's development from the prehistoric period to the end of the Old Kingdom. This course focuses on the lead-up to state formation and the great Pyramid Age that followed.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, or Classical Studies and Ancient History, and 30 points passed

Restriction: ANCHIST 253, 353, ANCIENT 353

ANCIENT 254 15 Points
Early Rome

A study of the earliest development of ancient Rome using written sources but with special emphasis on archaeological evidence.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, or Classical Studies and Ancient History, and 30 points passed

Restriction: ANCHIST 254, 354, ANCIENT 354

ANCIENT 255 15 Points
The Later Roman Empire

A study of the Roman empire between the third and sixth centuries CE. Topics covered include the social, economic and political crises of the period, encounters and struggles between Romans and barbarians, the conflict between Paganism and Christianity, and the emergence of the barbarian kingdoms in the West and the Byzantine empire in the East.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, or Classical Studies and Ancient History, and 30 points passed

Restriction: ANCHIST 255, 355, ANCIENT 355

ANCIENT 256 15 Points
The Ancient World at War

Provides an in-depth analysis of the role of the military in ancient Egypt, Greece and Rome. The physical evidence of warfare as well as chronological development of warfare within each society will be discussed. An additional theme will be the interweaving of the social and cultural impact of warfare and the army upon these civilisations.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, or Classical Studies and Ancient History, and 30 points passed

Restriction: ANCHIST 256, 356, ANCIENT 356

ANCIENT 260 15 Points
Roman Revolutions

Covers the history, politics, society and culture of Rome during the late Republic and early Imperial periods. Topics include the army, religion, family, sexuality, literature, art and the life of the provinces, set against the dramatic breakdown of old systems of government and their replacement with a new model of rule.

Prerequisite: 15 points at Stage I in Ancient History, Classical

Studies, or Classical Studies and Ancient History, and 30 points passed

Restriction: ANCHIST 203, 213, 260, 360, ANCIENT 360

ANCIENT 280 15 Points
Art and Society in Ancient Rome

A study of the art and architecture of the ancient Romans. Emphasis will be placed on the role of the visual arts as vehicles for the expression of social values and political and imperial ideas.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, Classical Studies and Ancient History, Art History, or GREEK 101 or LATIN 101, and 30 points passed

Restriction: ANCIENT 380, CLASSICS 280, 380

ANCIENT 285 15 Points
Classical Tragedy

Tragedy as a concept, a means of interpreting events, and a literary genre, is central to the ancient Greeks' way of constructing their world. Through a close reading of a selection of ancient dramas, this course will explore the nature and interpretation of tragedy with particular reference to Aristotle's *Poetics*.

Prerequisite: 15 points at Stage I in Ancient History, Classical Studies, Classical Studies and Ancient History, Drama, or GREEK 101 or LATIN 101, and 30 points passed

Restriction: ANCIENT 385, CLASSICS 285, 385

Stage III**ANCIENT 300** 15 Points
Greek and Roman Epic Poetry

Examines several epics in translation to explore what made ancient Greek and Roman epics distinctive and how they fit within the wider history of epic poetry around the world. Topics will include oral composition and performance, themes and styles of different epics, and the roles that epics played in culture, mythology, and religion.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History, or 30 points at Stage II in Greek or Latin

Restriction: ANCIENT 200, CLASSICS 210, 310

ANCIENT 301 15 Points
Special Topic**ANCIENT 304** 15 Points
Directed Study

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies or Classical Studies and Ancient History, or 30 points at Stage II in Greek or Latin

ANCIENT 310 15 Points
Egyptian Language 2A

This course carries on from ANCIENT 220, with reading extended historical, narrative, and religious texts.

Prerequisite: ANCHIST 220 or ANCIENT 220

Restriction: ANCHIST 310, 340

ANCIENT 311 15 Points
Ancient Greek Language: Intermediate

The analysis and description of Ancient Greek grammar, practice in the translation of Ancient Greek to and from English, vocabulary acquisition.

Prerequisite: ANCIENT 221 or GREEK 101

Restriction: ANCIENT 321, GREEK 200-310

ANCIENT 314 15 Points
Special Topic: Ancient Barbarians and Others

Examines the history of the idea of the barbarian in the ancient world, case-studies of late Roman barbarian kingdoms such as the Vandals and Goths, and modern

receptions of ancient ideas about barbarians and barbarity from the nineteenth century to the present.

Prerequisite: 15 points at Stage II in Classical Studies, Ancient History or Classical Studies and Ancient History, or 30 points at Stage II in Greek or Latin

Restriction: ANCIENT 214, HISTORY 254, 354

ANCIENT 315 15 Points

Special Topic: Hellenistic Society

Examines the Hellenistic Period from Alexander the Great to Cleopatra VII as an era of cultural contact and exchange. Considers the narrative of this dynamic period. Develops understanding of the intersection of Greek, Egyptian, Achaemenid, Near Eastern, and Roman traditions in the vast regions ruled by Alexander's successors through the lenses of structures, places, ideas, and anxieties.

Prerequisite: 15 points at Stage II in Classical Studies, Ancient History or Classical Studies and Ancient History, or 30 points at Stage II in Greek or Latin

Restriction: ANCIENT 215

ANCIENT 316 15 Points

Sex and Power in Greece and Rome

Many Greek and Roman literary works and historical sources deal with sex and power. This course will explore a range of ancient literary representations of women, men, femininity, masculinity, sexual practices and sexual prejudices. Students will study how ancient authors were influenced by the socio-political context and the constraints of different literary genres. All texts will be read in translation.

Prerequisite: 15 points at Stage II in Classical Studies, Ancient History, Classical Studies and Ancient History, Gender Studies, Greek, or Latin

Restriction: ANCIENT 216, CLASSICS 216, 316

ANCIENT 317 15 Points

Special Topic

Prerequisite: 15 points at Stage II in Classical Studies and Ancient History, or 30 points at Stage II in Greek or Latin

Restriction: ANCIENT 217

ANCIENT 321 15 Points

Ancient Greek Literary Texts

Detailed study of prescribed texts with reference to their language and meaning, and critical appreciation of their literary, historical and/or philosophical qualities.

Prerequisite: ANCIENT 311 or GREEK 200

ANCIENT 351 15 Points

Ancient Egyptian Art: Icon and Narrative

A chronological study of the art and architecture of ancient Egypt, from the predynastic period to the end of the New Kingdom, examining trends and styles in all forms of ancient art in Egypt.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History, or 30 points at Stage II in Art History or Greek

Restriction: ANCHIST 251, 351, ANCIENT 251

ANCIENT 352 15 Points

Egyptian Religion

A study of ancient Egyptian religion from the Early Dynastic period through to the end of the Late Period. The course will examine religious practice as well as religious thought, and will consider the patterns of belief throughout the ancient period of Egypt's history.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History

Restriction: ANCHIST 252, 352, ANCIENT 252

ANCIENT 353 15 Points

Early Egypt

Covers the earliest periods of Egypt's development from the prehistoric period to the end of the Old Kingdom. This course focuses on the lead-up to state formation and the great Pyramid Age that followed.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History

Restriction: ANCHIST 253, 353, ANCIENT 253

ANCIENT 354 15 Points

Early Rome

A study of the earliest development of ancient Rome, using written sources but with special emphasis on archaeological evidence.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History, or 30 points at Stage II in Latin

Restriction: ANCHIST 254, 354, ANCIENT 254

ANCIENT 355 15 Points

The Later Roman Empire

A study of the Roman Empire between the third and sixth centuries CE. Topics covered include the social, economic and political crises of the period, encounters and struggles between Romans and barbarians, the conflict between Paganism and Christianity, and the emergence of the barbarian kingdoms in the West and the Byzantine empire in the East.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History, or 30 points at Stage II in Greek or Latin

Restriction: ANCHIST 255, 355, ANCIENT 255

ANCIENT 356 15 Points

The Ancient World at War

Provides an in-depth analysis of the role of the military in ancient Egypt, Greece and Rome. The physical evidence of warfare as well as chronological development of warfare within each society will be discussed. An additional theme will be the interweaving of the social and cultural impact of warfare and the army upon these civilisations.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History

Restriction: ANCHIST 256, 356, ANCIENT 256

ANCIENT 360 15 Points

Roman Revolutions

Covers the history, politics, society and culture of Rome during the late Republic and early Imperial periods. Topics include the army, religion, family, sexuality, literature, art and the life of the provinces, set against the dramatic breakdown of old systems of government and their replacement with a new model of rule.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History, or 30 points at Stage II in Latin

Restriction: ANCHIST 260, 303, 313, 360, ANCIENT 260

ANCIENT 377 15 Points

Study Abroad (Rome)

Study abroad on archaeological sites in the Roman Empire.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History, and approval of Academic Head or nominee

Restriction: ANCHIST 377, CLASSICS 377

ANCIENT 378 15 Points

Study Abroad (Greece)

Study abroad on archaeological sites in Greece.

Prerequisite: 15 points at Stage II in Ancient History, Classical

Studies, or Classical Studies and Ancient History, and approval of Academic Head or nominee
Restriction: ANCHIST 378, CLASSICS 378

ANCIENT 379 15 Points

Study Abroad (Egypt)

Study abroad on archaeological sites in Egypt.

Prerequisite: 15 points at Stage II in Ancient History, Classical Studies, or Classical Studies and Ancient History, and approval of Academic Head or nominee

Restriction: ANCHIST 379

ANCIENT 380 15 Points

Art and Society in Ancient Rome

A study of the art and architecture of the ancient Romans. Emphasis will be placed on the role of the visual arts as vehicles for the expression of social values and political and imperial ideas.

Prerequisite: 15 points at Stage II in Classical Studies, Ancient History, or Classical Studies and Ancient History, or 30 points at Stage II in Latin or Art History

Restriction: ANCHIST 280, CLASSICS 280, 380

ANCIENT 385 15 Points

Classical Tragedy

Tragedy as a concept, a means of interpreting events, and a literary genre, is central to the ancient Greeks' way of constructing their world. Through a close reading of a selection of ancient dramas, this course will explore the nature and interpretation of tragedy with particular reference to Aristotle's *Poetics*.

Prerequisite: 15 points at Stage II in Classical Studies, Ancient History, or Classical Studies and Ancient History, or 30 points at Stage II in Greek, Latin or Drama

Restriction: ANCHIST 285, CLASSICS 285, 385

Postgraduate 700 Level Courses

ANCIENT 719 30 Points

ANCIENT 719A 15 Points

ANCIENT 719B 15 Points

Directed Study in Ancient Culture

Directed reading and individual study on a topic approved by the Graduate Adviser.

Prerequisite: Approval of Academic Head or nominee

Restriction: ANCHIST 719

To complete this course students must enrol in ANCHIENT 719 A and B, or ANCHIENT 719

ANCIENT 727 15 Points

ANCIENT 727A 7.5 Points

ANCIENT 727B 7.5 Points

Directed Study in Ancient Culture

Directed reading and individual study on a topic approved by the Academic Head or nominee.

Restriction: ANCHIST 727

To complete this course students must enrol in ANCHIENT 727 A and B, or ANCHIENT 727

ANCIENT 728 15 Points

ANCIENT 728A 7.5 Points

ANCIENT 728B 7.5 Points

Directed Study in Ancient Culture

Directed reading and individual study on a topic approved by the Academic Head or nominee.

Restriction: ANCHIST 728

To complete this course students must enrol in ANCHIENT 728 A and B, or ANCHIENT 728

ANCIENT 729 15 Points

ANCIENT 729A 7.5 Points

ANCIENT 729B 7.5 Points

Egyptian Language (Higher)

Passages in the original language will be set for translation, study and interpretation.

Prerequisite: ANCHIST 220 or ANCHIENT 220 or placement test and approval of Academic Head or nominee

Restriction: ANCHIST 729

To complete this course students must enrol in ANCHIENT 729 A and B, or ANCHIENT 729

ANCIENT 739 15 Points

ANCIENT 739A 7.5 Points

ANCIENT 739B 7.5 Points

Greek Language (Higher)

Passages in the original language will be set for translation, study and interpretation.

Prerequisite: ANCHIENT 221 or GREEK 101, or placement test and approval of Academic Head or nominee

Restriction: ANCHIST 739, GREEK 200-310

To complete this course students must enrol in ANCHIENT 739 A and B, or ANCHIENT 739

ANCIENT 741 15 Points

ANCIENT 741A 7.5 Points

ANCIENT 741B 7.5 Points

Latin Language (Higher)

Passages in the original language will be set for translation, study and interpretation.

Prerequisite: LATIN 101 or placement test and approval of Academic Head or nominee

Restriction: ANCHIST 741, LATIN 200-310

To complete this course students must enrol in ANCHIENT 741 A and B, or ANCHIENT 741

ANCIENT 742 15 Points

ANCIENT 742A 7.5 Points

ANCIENT 742B 7.5 Points

Greek Language (Higher II)

Passages in the original language will be set for translation, study and interpretation. The course will involve graduate level engagement with the content of the text, applying appropriate research techniques, and an intermediate level of incoming language competency.

Prerequisite: ANCHIENT 311 or GREEK 200, or placement test and approval of Academic Head or nominee

To complete this course students must enrol in ANCHIENT 742 A and B, or ANCHIENT 742

ANCIENT 743 15 Points

ANCIENT 743A 7.5 Points

ANCIENT 743B 7.5 Points

Latin Language (Higher II)

Passages in the original language will be set for translation, study and interpretation. The course will involve graduate level engagement with the content of the text, applying appropriate research techniques, and an intermediate level of incoming language competency.

Prerequisite: LATIN 200 or placement test and approval of Academic Head or nominee

To complete this course students must enrol in ANCHIENT 743 A and B, or ANCHIENT 743

ANCIENT 744 15 Points

ANCIENT 744A 7.5 Points

ANCIENT 744B 7.5 Points

Greek Language (Higher III)

Passages in the original language will be set for translation,

study and interpretation. The course will involve graduate level engagement with the content of the text, applying appropriate research techniques, and an advanced level of incoming language competency.

Prerequisite: 30 points from ANCIENT 321, GREEK 201-205, or placement test and approval of Academic Head or nominee

To complete this course students must enrol in ANCIENT 744 A and B, or ANCIENT 744

ANCIENT 745 15 Points

ANCIENT 745A 7.5 Points

ANCIENT 745B 7.5 Points

Latin Language (Higher III)

Passages in the original language will be set for translation, study and interpretation. The course will involve graduate level engagement with the content of the text, applying appropriate research techniques, and an advanced level of incoming language competency.

Prerequisite: 30 points from LATIN 201-205 or placement test and approval of Academic Head or nominee

To complete this course students must enrol in ANCIENT 745 A and B, or ANCIENT 745

ANCIENT 749A 15 Points

ANCIENT 749B 15 Points

Themes and Issues in Ancient Culture

A study of themes and issues in ancient culture.

Restriction: ANCHIST 749

To complete this course students must enrol in ANCIENT 749 A and B

ANCIENT 750A 15 Points

ANCIENT 750B 15 Points

Sources and Approaches for the Ancient World

A study of the evidence for the ancient world, as well as how to apply it.

Restriction: ANCHIST 750

To complete this course students must enrol in ANCIENT 750 A and B

ANCIENT 751A 15 Points

ANCIENT 751B 15 Points

Ancient Societies in the Mediterranean World

A study of the societies which developed around the ancient Mediterranean.

Restriction: ANCHIST 751

To complete this course students must enrol in ANCIENT 751 A and B

ANCIENT 756 30 Points

Research Essays in Ancient Culture

Guided individual study leading to essays in ancient culture.

Prerequisite: Approval of Academic Head or nominee

Restriction: ANCHIST 756

ANCIENT 792 45 Points

ANCIENT 792A 22.5 Points

ANCIENT 792B 22.5 Points

Dissertation - Level 9

Restriction: ANCHIST 792

To complete this course students must enrol in ANCIENT 792 A and B, or ANCIENT 792

ANCIENT 794A 45 Points

ANCIENT 794B 45 Points

Thesis - Level 9

Restriction: ANCHIST 793

To complete this course students must enrol in ANCIENT 794 A and B

ANCIENT 796A 60 Points

ANCIENT 796B 60 Points

Thesis - Level 9

Restriction: ANCHIST 796

To complete this course students must enrol in ANCIENT 796 A and B

ANCIENT 797A 60 Points

ANCIENT 797B 60 Points

Research Portfolio - Level 9

Restriction: ANCHIST 797

To complete this course students must enrol in ANCIENT 797 A and B

Communication

Stage I

COMMS 100 15 Points

Communication, Technology and Culture

Explores the past, present and future of communication media. Examines communication media within their social context, and provides a particular focus on the interplay between technology and culture. Key concepts in the study of communication are introduced and various communication media are studied via specific case studies, with particular emphasis placed on new digital platforms including social and mobile media as well as older forms such as television and cinema.

COMMS 101 15 Points

Understanding Communication in Māori and Pacific Worlds

Introduces principles and practices of communication relevant to the unique cultural landscape of Aotearoa. Students will explore communication in the context of te ao Māori and Pacific cultures, ethical issues related to bicultural communication, and the significance of Te Tiriti o Waitangi for communication practitioners.

COMMS 104 15 Points

Advertising and Society

A critical examination of advertising and advertisements focusing on the role advertising plays in consumer culture. Advertisements from a diverse range of media are studied in order to analyse how advertisements construct and disseminate meaning. The course investigates how advertising engages with the logic of wider cultural and global transformations with consideration given to both consumer and industry perspectives.

COMMS 106 15 Points

Communicating Your Way: Platforms, Organisations, Communities

Draws on key theories of communication and applies them to a selection of contemporary problems and issues in three key domains: communication and technology, communication and leadership and communication and social change. Enables students to consider how contemporary communication is shaped by and for particular platforms, organisations and communities.

Restriction: COMMS 102, 103, 105

Stage II

COMMS 200 15 Points

Writing in the Workplace

Addresses written communication in the workplace across a range of discourses, environments, strategies and

audiences. Focusing on different kinds of writing used in contexts such as government, community organisations, consultancy, professions, NGOs and private business, students will analyse and produce key workplace text-types within a critical framework of workplace analysis and scholarship on labour and organisations.

Prerequisite: 60 points at Stage I in BA courses

COMMS 201 15 Points

Journalism Studies

Explores journalism and the news media, examining their histories and contemporary state. Students gain knowledge about how the news media influences culture and society and will examine how recent social, political, and technological shifts have impacted on journalism. This course is primarily theoretical but has a practical component that involves news writing.

Prerequisite: 60 points at Stage I in BA courses

COMMS 202 15 Points

Audiences and Users

Examines the ways that audiences have been conceived, addressed, measured and empowered in the context of the history and technologies of communication media. Theories of reception to be studied include uses and gratifications models, consumer behaviourism, passive versus active audiences, the rise of the 'prosumer', modes of engagement and fan discourses. Students will also learn about audience research methods.

Prerequisite: 60 points at Stage I in BA courses

COMMS 203 15 Points

Television Journalism

A practical course where students explore the production of current affairs journalism. Students learn to write, video, present and edit short news items in the field and integrate these into a multi-camera production recorded as live in the television studio. Studio skills include directing, production management, multi-cam scripting, vision switching, presenting and interviewing within a framework of current industry practice.

Prerequisite: 60 points at Stage I in BA courses

COMMS 205 15 Points

Writing: Concept and Craft

An exploration of written communication which connects writing as an object of analysis and critique to writing as a multi-faceted craft. Since writing systems, materials and tools create the worlds we live in, the course conceptualises the relation between world and word, image and text, technology and body, and addresses cultural, critical and digital literacies that organise lived experience.

Prerequisite: 60 points at Stage I in BA courses

Restriction: ENGLISH 105, 257, 363

COMMS 206 15 Points

Special Topic: Persuasion and Power

Prerequisite: 60 points at Stage I in BA courses

COMMS 207 15 Points

Communication Research Methods

Introduces students to a variety of research methods in communication studies. Students learn about the foundations of, and approaches to qualitative and quantitative methods and acquire an array of techniques to collect data, such as individual and focus group interviews, participant observation, and surveys, as well as different forms of data analysis.

Prerequisite: 60 points at Stage I in BA or BC courses

COMMS 208 15 Points

Digital Communication Ethics

Addresses applied ethical issues arising in digital journalism, social media, "big data" surveillance and privacy, algorithmic bias, and software design. As digital media expand beyond the personal computer, there is an increase of ethical issues pertaining to mobile devices, GPS navigation, biometric modelling, artificial intelligence, and the ever-expanding range of wired devices tracking us through the so-called 'internet of things'.

Prerequisite: 60 points passed

COMMS 209 15 Points

Special Topic

Prerequisite: 60 points at Stage I in BA courses

COMMS 210 15 Points

Practicing Communication in Māori and Pacific Worlds

Builds on COMMS 101 to develop students' cultural competencies and understanding of tikanga Māori and Pacific cultures. Particular emphasis is given to the concept of whakawhanaungatanga and protocols surrounding engagement, consultation and partnership with Māori and Pacific communities.

Prerequisite: COMMS 101 and 45 points at Stage I in BA or BC courses

COMMS 212 15 Points

Narratives of Social Change

Investigates how the presentation of information shapes public attitudes and behaviours. Explores how public communication via news, social media and public awareness campaigns influence public understanding, engagement and behaviour. Key ideas explored in this course include: discourse; framing; rhetoric; and the interplay of words, images and sounds in multimodal communication.

Prerequisite: COMMS 102 and 45 points at Stage I in BA or BC courses

COMMS 213 15 Points

Communication and Persuasion

Explores theories and practices of persuasive communication. Students will develop competencies through practical exercises and case study investigations. The course will also emphasise the ethics of persuasive communication, exploring themes such as the difference between persuasion and manipulation, and the relationship between persuasion and power.

Prerequisite: 60 points at Stage I in BA or BC courses

COMMS 214 15 Points

Communication and Inclusive Leadership

Explores principles and practices of inclusive leadership and communication in the context of diverse organisations. The course investigates key causes and consequences of inequalities and barriers to inclusion within organisations, including overt and covert biases and forms of discrimination based on gender, ethnicity and disabilities. It also explores leadership strategies and best practices for building and sustaining inclusive organisations.

Prerequisite: 60 points at Stage I in BA or BC courses

Stage III

COMMS 303 15 Points

Sports Media

Examines the relationship between sport and the media. Topics include sports journalism; industry practice; the mediated game event; online communities of fandom;

commentary; issues of race and gender; and sports law. Students may have the opportunity to experience televised studio production at the University's television studio.

Prerequisite: 15 points from COMMS 200-208 and 15 points in BA courses

COMMS 304 15 Points

Gender, Politics and the Media

Addresses the theory, practice and representation of politics in the media from a gendered perspective. Analyses the relationship between the media and women and men in the public sphere.

Prerequisite: 15 points from COMMS 200-208, GENDER 208, and 15 points in BA courses

COMMS 306 15 Points

Special Topic

Prerequisite: 15 points from COMMS 200-208 and 15 points in BA courses

COMMS 307 15 Points

Communication Internship

Provides experiential learning opportunities in media, public relations, advertising, and corporate communication industries.

Prerequisite: Approval of Academic Head or nominee

Restriction: ARTSGEN 301, CAREER 300

COMMS 308 15 Points

Special Topic

Prerequisite: 60 points at Stage I in BA courses

COMMS 310 15 Points

Special Topic

Prerequisite: 60 points at Stage I in BA courses

COMMS 311 15 Points

Problems and Issues in Contemporary Communication

A seminar exploring a major theme or issue in contemporary communication to be determined by the convenor.

Prerequisite: 60 points at Stage II in BA or BC courses

COMMS 312 15 Points

Documentary and Social Change

Investigates the close alignment between documentary film and social and political transformation. The course will explore documentaries associated with political movements from anti-fascism to LGBTI issues. Students will produce a 'mini-documentary' as part of their coursework.

Prerequisite: 60 points at Stage II in BA or BC courses

Restriction: COMMS 306

COMMS 313 15 Points

Principles and Practices of Social Communication

Develops students' skills in communicating effectively and ethically to promote positive social change. Students will develop a critical understanding of different media and produce communication strategies relating to real-world social issues. The course also looks at processes for evaluating the effectiveness of social communication, such as carrying out stakeholder consultation and audience testing.

Prerequisite: COMMS 212 and 45 points at Stage II in BA or BC courses

COMMS 314 15 Points

Risk, Crisis and Disaster Communication

Explores how governmental and non-governmental organisations communicate in the context of social risks such as environmental hazards and public health emergencies. The course also investigates communication in the wake of disasters. Concepts explored in the course

include: mis- and disinformation; public engagement and risk perceptions; framings and narratives of disaster and risk.

Prerequisite: 60 points passed at Stage II

COMMS 315 15 Points

Environmental Communication

Investigates how environmental challenges and policies are communicated in contemporary society. Particular emphasis is given to the relationship between science communication and popular media narratives.

Prerequisite: 60 points passed at Stage II

COMMS 316 15 Points

Decolonising Technology and Data

Explores Indigenous perspectives on technology and data. Policy, activism and design are explored in relation to decolonisation, equity and rangatiratanga (sovereignty).

Prerequisite: 60 points passed at Stage II

COMMS 317 15 Points

Design for Equity, Accessibility and Justice

Examines principles and practices of inclusive technology design. Considers how technologies can be designed to empower rather than disadvantage members of socially marginalised communities.

Prerequisite: COMMS 208 and 45 points passed at Stage II

COMMS 318 15 Points

Technology Futures

Considers the place of digital technologies in diverse and contested visions of the future, from Silicon Valley futurism to surveillance dystopias, and from ecological critiques of high-technology to projects for building a digital commons.

Prerequisite: 60 points passed at Stage II

Restriction: COMMS 300

COMMS 319 15 Points

Communication Strategies in the Workplace

Addresses principles and best practices for effective communication within workplaces and organisations. Focuses on students' skills in key areas including: professionalism in communication; listening skills; conflict resolution; and negotiation skills. Particular emphasis is given to the skills required for developing coherent and consistent communication strategies.

Prerequisite: COMMS 214 and 45 points passed at Stage II

COMMS 320 15 Points

Communication Project

Students complete a practical or academic project, involving individual or group-based work.

Prerequisite: 60 points at Stage II in BC courses

COMMS 321 15 Points

News and Journalism in the Digital Age

Examines the changing nature of news and journalism in the digital age. Themes covered include: news values and news cycles; journalistic principles and practices; the interface between journalism and news sources, including public relations industries; journalism's 'fourth estate' role and the evolving relationship between news and public opinion in the digital age; and the political economy of contemporary journalism.

Prerequisite: 60 points passed at Stage II

COMMS 322 15 Points

Designing Visual Communication

Examines the core principles and skills for effective visual communication. Explores the role of visual

design in engaging diverse audiences across a variety of communicative contexts.

Prerequisite: 60 points at Stage II in BC courses

COMMS 323 15 Points
Digital Communication and Practice

Offers a practical and creative approach to digital communication with critical context. Students navigate the capacities, affordances and limitations of a variety of digital tools and formats by developing skills to create platform-specific outputs, such as GIFs, interactive bots, vlogs, data visualisations, and more.

Prerequisite: 60 points at Stage II

Restriction: COMMS 103, 301

Postgraduate 700 Level Courses

COMMS 700 30 Points
Digital Futures

Considers emerging communication and media technologies and potential future consequences for individuals, societies, and the world at large. Key areas of interest include robotics and AI; ubiquitous computing and the Internet of Things (IoT); 3D printing; virtual, augmented and mixed reality technologies. Issues examined include automation; future of employment; surveillance; new modes of experience; transformed human relationships; and ecological consequences.

Restriction: MEDIA 717

COMMS 701 30 Points
Communication and Data

Explores the implications for communication in an age of big data, where code and algorithms curate, evaluate, and profile users' data. The course addresses issues such as archives, clouds, privacy, identity, algorithmic bias and discrimination, complexity, informational capitalism, and affective labour, while also considering possibilities for rethinking the past and predicting the future through the analysis and visualisation of data.

COMMS 702 30 Points
Communication Excess and Avoidance

Silences and absences make communication possible. Each medium, whether spoken or printed, projected or computed, has peculiar silences ranging from elegant to tragic, comic to painful, fleeting to eternal. Superabundant digital media raise acute questions about communicative excess and possible needs to disconnect. Such questions will be addressed alongside the cultural and technological history of communication excess and absence.

Restriction: MEDIA 745

COMMS 703 30 Points
Popular Communication and Politics

Explores popular communication across a range of media, genres, texts and technologies to consider the political nature of the cultures, patterns of use, and modes of interpretation that emerge around them. The course will examine the cultural appropriation, adoption, adaptation and distribution of communicative media as well as the political economy of communication, consumer culture and varying forms of fandom.

COMMS 704 30 Points
Communication and Culture

Explores the mutually constitutive relationship between communication and culture through analyses of the cultural forms and meanings of social interaction. Acquaints students with classic and contemporary readings and

introduces students to ways in which they can adopt a cultural approach toward communication phenomena in interpersonal, organisational, and intercultural settings.

COMMS 705 30 Points
Communication Perspectives

Critical review of key debates and perspectives in the Communication field, with a particular emphasis on social change communication. Balances broad coverage of dominant approaches in the field with the study of under-represented perspectives including through studies of Indigenous scholarship and research from the Global South.

COMMS 706 30 Points
Communication Case Studies

Explores how research in the Communication field can be applied to address complex challenges of the contemporary world and contribute to the development of solutions. Themes and topics will vary from year to year in line with changing societal issues and the research projects of contributing staff.

COMMS 707 30 Points
Research Methods and Design

Critical survey of methodological approaches in the Communication field. Students will also be guided through a process for defining their own research problem and establishing an appropriate methodological design. Prepares students to undertake a dissertation as well as covering skills transferable to professional contexts.

COMMS 708 15 Points
Communication Internship

Provides experiential learning opportunities within professional communication organisations, such as media, public relations, advertising, non-governmental organisations and corporate communication industries.

COMMS 709 30 Points
Special Topic: Communication and Cultural Work

Combines theories of cultural and communication work with real-world case studies and lived experience. Combining theory and practice, it enables students to reflect critically on their own experiences of working in communication and cultural fields and/or their aspirations of working in these fields. It draws on research and experiences both from within Aotearoa New Zealand, and beyond.

COMMS 710 30 Points
Special Topic

COMMS 714 15 Points
Directed Study

COMMS 715 30 Points
Directed Study

COMMS 748 30 Points
Special Topic

COMMS 793 60 Points
Dissertation - Level 9

Comparative Literature

Stage II

COMPLIT 200 15 Points
World Literatures I: Life, Death, War, Peace, Love

Myths, epics, bawdy tales, satires, songs, and plays make up traditions of ancient, medieval, early modern cultures.

Compares cultural stories worldwide, from early writing to French Revolution. Includes Gilgamesh, Aztec myths, Roland, *Tale of Genji*, Scandinavian tales, Shakespeare's *Tempest*, Blake's poetry. Introduces skills for reading narratives by genre, theme, poetics. Texts are in English, with attention to texts' original languages.

Prerequisite: 60 points passed

COMPLIT 202 15 Points
Interpreting Folktales

An introduction to the study and interpretation of folktales. Tales from many cultures will be examined. Contrasting theories on the origins and meaning of folktales will be explored.

Prerequisite: 60 points passed

Restriction: COMPLIT 303

COMPLIT 203 15 Points
Special Topic

Prerequisite: 60 points passed

COMPLIT 206 15 Points
When East Meets West

Western readers have encountered the literatures of East and South Asia, and Asian readers have encountered Western literature, in a variety of political and cultural contexts, including: colonial expansion, spiritual inquiry, modernisation, warfare, migration, and globalisation. A selection of works from East and West, which have played a key role in these encounters, especially in the modern period, will be studied.

Prerequisite: 60 points passed

Restriction: COMPLIT 302

COMPLIT 207 15 Points
Special Topic

Prerequisite: 60 points passed

COMPLIT 208 15 Points
Directed Study in Comparative Literature

A directed reading and individual study course in a selected topic or topics, approved by the Academic Head or nominee.

Prerequisite: 60 points, and approval of Programme Coordinator

COMPLIT 210 15 Points
World Literatures 2: Machines and Modernities

Examines changing cultures and powerful ideas reflected in new literatures from the Industrial Revolution to the contemporary global era. Analyses and compares texts by genre, theme, and poetics. Includes poetry, narratives of European-Indigenous contacts, new culture movements in China and Japan, world drama, migrant writing, travel narratives. Texts are in English, with attention to texts' original languages.

Prerequisite: 60 points passed

Stage III

COMPLIT 302 15 Points
When East Meets West

Western readers have encountered the literatures of East and South Asia, and Asian readers have encountered Western literature, in a variety of political and cultural contexts, including: colonial expansion, spiritual inquiry, modernisation, warfare, migration, and globalisation. A selection of works from East and West, which have played

a key role in these encounters, especially in the modern period, will be studied.

Prerequisite: 30 points at Stage II

Restriction: COMPLIT 206

COMPLIT 303 15 Points
Interpreting Folktales

An introduction to the study of folktales, including collection and classification, oral and literary tales, structure, interpretative frameworks, revisions and film versions. Tales from many cultures will be examined. Contrasting theories on the origins and meanings of folktales will be explored.

Prerequisite: 30 points at Stage II

Restriction: COMPLIT 202

COMPLIT 305 15 Points
Special Topic

Prerequisite: 60 points at Stage II

COMPLIT 306 15 Points
Directed Reading and Research

Supervised research projects.

Prerequisite: 60 points passed at Stage II, and approval of Programme Coordinator

Postgraduate 700 Level Courses

COMPLIT 704 15 Points
Special Topic

COMPLIT 705 15 Points
Reading Across Cultures

An advanced level review of approaches to the study of literature across cultures. Tests the potential and limits of theories of literature in the study of literary texts from many cultures and periods. Includes cross-cultural perspectives on authorship, intertextuality, reader-centred theories, literary translation, post-colonial literature, gender and sexuality, as well as reading across disciplines.

Restriction: COMPLIT 700, 709

COMPLIT 707 30 Points
Special Topic

COMPLIT 708 30 Points
Special Topic

COMPLIT 709 30 Points
Reading Across Cultures

An advanced level review of approaches to the study of literature across cultures. Tests the potential and limits of theories of literature in the study of literary texts from many cultures and periods. Includes cross-cultural perspectives on authorship, intertextuality, reader-centred theories, literary translation, post-colonial literature, gender and sexuality, as well as reading across disciplines.

Restriction: COMPLIT 705

COMPLIT 710 15 Points
Special Topic

COMPLIT 711 15 Points
Rethinking Literary Translation

Literary translation has come to be theorised as a dynamic and problematic process, central to comparative literature and shedding light on cross-cultural encounter, colonisation and the post-colonial. Alongside such theoretical considerations, students will undertake a practical translation project between languages in which they have expertise.

COMPLIT 750 15 Points
Directed Study
Supervised research essays on a topic or topics approved by the Programme Coordinator.

COMPLIT 751 30 Points
Directed Study
Supervised research essays on a topic or topics approved by the Programme Coordinator.

COMPLIT 777 15 Points
Study Abroad
Formal study in Comparative Literature in an approved overseas university. Enrolment requires the approval of the Programme Coordinator.
Prerequisite: Permission of Programme Coordinator

COMPLIT 778 15 Points
Study Abroad
Formal study in Comparative Literature in an approved overseas university. Enrolment requires the approval of the Programme Coordinator.
Prerequisite: Permission of Programme Coordinator

COMPLIT 780 30 Points
COMPLIT 780A 15 Points
COMPLIT 780B 15 Points
Research Project - Level 9
To complete this course students must enrol in COMPLIT 780 A and B, or COMPLIT 780

COMPLIT 790 60 Points
COMPLIT 790A 30 Points
COMPLIT 790B 30 Points
Dissertation - Level 9
To complete this course students must enrol in COMPLIT 790 A and B, or COMPLIT 790

COMPLIT 792 45 Points
COMPLIT 792A 22.5 Points
COMPLIT 792B 22.5 Points
Dissertation - Level 9
To complete this course students must enrol in COMPLIT 792 A and B, or COMPLIT 792

COMPLIT 793A 45 Points
COMPLIT 793B 45 Points
Thesis - Level 9
To complete this course students must enrol in COMPLIT 793 A and B

COMPLIT 797A 60 Points
COMPLIT 797B 60 Points
Research Portfolio - Level 9
To complete this course students must enrol in COMPLIT 797 A and B

Cook Islands Māori

Stage I

COOKIS 101 15 Points
COOKIS 101G 15 Points
Introduction to Cook Islands Māori
Gives students an introduction to the structure of Cook Islands Māori as well as allowing them to develop basic skills in listening, speaking, reading and writing. Designed for students with little or no knowledge of the language,

and for those with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Stage II

COOKIS 201 15 Points
Cook Islands Māori Language 2
Further consolidates skills in listening, speaking, reading and writing in Cook Islands Māori. Students will also deepen their experience and knowledge of Cook Islands Māori culture through their participation in a dramatised re-enactment of a Cook Islands myth or legend, with its accompanying chants and songs.
Prerequisite: COOKIS 101
Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

COOKIS 204 15 Points
Special Topic

Stage III

COOKIS 300 15 Points
Special Topic

COOKIS 301 15 Points
Cook Islands Māori Language 3
Students will develop their language skills to an advanced level, through examining, discussing and analysing, in Cook Islands Māori, selected oral and written texts in various genres, as a model for their own compositions. They will also study traditional oratory as a means of further expressing the richness of Cook Islands culture and history.
Prerequisite: COOKIS 201

Creative Writing

Postgraduate 700 Level Courses

CREWRIT 797A 60 Points
CREWRIT 797B 60 Points
Creative Writing - Level 9

Students will work on a large-scale creative writing project: a novel, short story collection, full-length work of creative nonfiction, or poetry collection. The course includes weekly workshops and seminars, as well as supervision and masterclasses.

Restriction: ENGLISH 763

To complete this course students must enrol in CREWRIT 797 A and B

Criminology

Stage I

CRIM 100 15 Points
Big Ideas in Criminology
Introduces a range of big ideas in criminology that inform contemporary research and justice, both locally and globally. Presents the main concepts and theoretical foundations that inform the field. Critically analyses topical issues and debates related to crime, justice, deviance and social harm.
Restriction: CRIM 201

Stage II**CRIM 200 15 Points**
Cultural Criminology

Exposes students to the major concepts and methodological approaches within cultural criminology, a field that is unique in its exploration of the meanings associated with crime and deviance. The course also considers the broader contexts of crime, how powerful groups and media influence criminal justice policies, and the relationship between popular discourses and the nature of social control.

Prerequisite: 60 points passed from BA courses

CRIM 202 15 Points
Contemporary Issues in Punishment

The focus is on contemporary issues in punishment, considering both its purposes and effectiveness. The course explores a range of perspectives drawing on longstanding criminological, sociological and philosophical literatures.

Prerequisite: 60 points passed from BA courses

CRIM 203 15 Points
The Criminal Mind: Crime and Individual Differences

Examines the phenomena of crime and punishment from a psychological perspective. Particular attention is paid to psychological explanations of crime, the relationship between mental illness and crime, and the role of psychology in law enforcement, the courts, and corrections.

Prerequisite: 60 points passed from BA courses

CRIM 204 15 Points
Critical Studies in Policing

Explores policing in New Zealand and beyond, including its legal and theoretical underpinnings. Critically examine media representations of the police, policing and inequality; police culture, power and accountability; the effects of human rights claims on policing methods and emerging threats to policing both locally and globally.

Prerequisite: 60 points passed from BA courses

CRIM 205 15 Points
Crime, Media and Society

The relationship between crime and the media is complex and contradictory. This course investigates this relationship by encouraging students to develop an understanding of how the media help to influence the public views of crime and criminalisation. It will do this by focusing on media portrayals of crime and criminal behaviour, media effects, and theories of media and communication.

Prerequisite: 60 points passed from BA courses

CRIM 206 15 Points
Special Topic

Prerequisite: 60 points passed from BA courses

CRIM 207 15 Points
Criminology: Indigenous and Global

Are we all equal before the law? Or are groups treated differently by the criminal justice system? With particular emphasis on indigenous peoples in New Zealand, Australia and Canada, this course examines the impact of differential practices on inequalities and collective efforts to achieve social change. Concepts of restorative justice are central to this course.

Prerequisite: 60 points passed from BA or BGlobalSt courses
Restriction: CRIM 302

CRIM 208 15 Points
Hate Crime

Provides an overview of 'hate' and prejudice-motivated crime using a variety of criminological perspectives.

Examines the causes, consequences and manifestations of hate, as well as the social context in which hate crimes occur. Engages with questions around the impact of and responses to hate crime, as well as the link between online and offline hate.

Prerequisite: 60 points passed from BA courses

CRIM 209 15 Points
Special Topic

Prerequisite: 60 points passed from BA courses

Stage III**CRIM 301 15 Points**
Issues in Criminal Justice

Discusses the workings of the criminal justice system and explores and contextualises classical and emergent approaches to criminal justice, including their legal underpinnings. Practical and theoretical issues will be considered using a case study approach. Emphasis is given to the developing synthesis of criminal and social justice.

Prerequisite: 90 points passed from BA courses, including 30 points at Stage II

CRIM 304 15 Points
Key Issues in Restorative Justice

Provides a critical analysis of the restorative justice process as a response to offender behaviour, which will aid an understanding of its place within the wider criminal justice system. A variety of perspectives on restorative justice will be considered, as well as the various practices associated with it, and its effectiveness according to different stakeholders.

Prerequisite: 90 points passed in BA courses, including 30 points at Stage II

CRIM 305 15 Points
Victims and Victimology

Explores patterns and theories of victimisation, the position of victims and victimology within criminology, and the representation of victims in the media. Includes case studies of specific types of victimisation such as racial hate crimes and family and sexual violence. Victims' rights and the position of victims in the criminal justice system and restorative justice will also be examined.

Prerequisite: 90 points passed in BA courses, including 30 points at Stage II

CRIM 306 15 Points
Special Topic

Prerequisite: 90 points passed in BA courses, including 30 points at Stage II

CRIM 307 15 Points
Doing Time: Incarceration and Punishment

Examines punishment and incarceration as a complex social institution informed by a range of social relations and cultural meanings. Explores the way political, social and economic factors shape notions of law and order. Topics include: history of punishment and theories of incarceration, experiences of imprisonment and prison cultures, and various controversial issues in imprisonment, for example, privatisation, the use of solitary confinement, immigration detention, and prison abolition.

Prerequisite: 30 points at Stage II from Criminology, Global Politics and Human Rights
Restriction: SOCIOL 337

CRIM 308 15 Points
Special Topic

CRIM 309 15 Points
Critical Research in Criminology
 Introduces critical research methodology. Begins with the problems of epistemology (knowledge) and ontology (reality), then explores data (what is data?) and specific methods of data analysis, such as semiotics, discourse analysis and, amongst others, hermeneutics. Recommended to pursue postgraduate study in criminology.
Prerequisite: 90 points passed from BA courses, including 30 points at Stage II

CRIM 310 15 Points
Paradoxes of Crime Technology
 Explores the limits and contradictions of crime prevention technologies. Focuses on the tension between the promises of such technologies and their consequences. Limits are explored via critical analyses of DNA typing, fingerprint comparison, forecasting or prediction, security technologies, and environmental controls, such as 'target hardening', 'guardianship' and 'environmental design'.
Prerequisite: 90 points passed from BA courses, including 30 points at Stage II

Postgraduate 700 Level Courses

CRIM 700 30 Points
Research in Criminology
 Examines the methods of research frequently employed in the field of criminology, and the various epistemological and ethical questions that arise in criminological research, and the connection between theory and research and quantitative and qualitative analytic strategies. Students will complete a research project under supervision.
Restriction: CRIM 309

CRIM 701 30 Points
Criminological Theory
 An examination of classical and contemporary theories of crime, including sociological, psychological, medical, rational-choice and critical perspectives on criminology. Attention will be given to the construction of theory as it is informed by social science research; to the social, cultural and political contexts in which these theories have emerged; and to the influence of theories in criminal justice policies.

CRIM 702 30 Points
Advanced Issues in Penology
 A survey of issues in penology, describing and interpreting specific penal reform strategies in terms of their historical, social, political and economic context. An appreciation of the main themes within penology will allow a greater understanding of the role that punishment regimes play in society and specifically in the criminal justice system.

CRIM 703 30 Points
Contemporary Criminology
 An examination of critical approaches to the study of crime and crime control. Attention will be given to understanding how these approaches critically assess social problems surrounding crime and crime control strategies; the political, social and historical development of varying critical perspectives; and the ways in which such approaches may lead to changes in criminal justice policies and practices.

CRIM 704 30 Points
State Crime
 Considers a range of theoretical approaches to criminal acts committed by state officials in pursuit of their jobs

as representatives of the state, and state organisational deviance that involves the violation of human rights and is liable to sanction. The course offers a series of case studies of such state crime.

CRIM 705 30 Points
Special Topic: Quantitative Criminology
 Focuses on criminological quantitative data, and its analysis and interpretation. Students will engage with the basics of survey research and will be guided through statistical techniques to analyse a quantitative dataset. Students gain hands-on experience using software (i.e., SPSS) to run statistical tests, learn how to interpret results, and engage in quantitative reasoning and its application to criminological problems.

CRIM 706 30 Points
Special Topic: Critical Political Economy of Mass Incarceration
 In the latter half of the 20th century, the mode of punishment in the capitalist world transformed into one based on imprisonment on an ever-increasing scale. Focusing on the experience of New Zealand, this course applies new developments in Marxist economic science to explain how mass incarceration arose, why capitalism requires it, and how it can be destroyed.

CRIM 707 30 Points
Special Topic

CRIM 708 30 Points
Directed Study

CRIM 709 30 Points
Special Topic

CRIM 710 30 Points
Cybercrime
 Exploration of cybercrime and its economic and social impact. The course aims to encourage critical thinking, exploring a range of key theoretical perspectives in criminal justice and their application to cybercrime. It analyses how the Internet may promote criminal behaviour and contribute to the globalisation of crime. It also outlines the challenges of policing cybercrime, evaluating current approaches.

CRIM 711 30 Points
Gender, Crime and Social Control
 Advanced study of the importance of examining crime, criminal justice and social control through gendered and intersectional lenses. This course critically analyses traditional explanations for crime drawing on feminist and queer criminological theory before examining the gendered operation of the criminal justice system and other forms of social control, and exploring alternative approaches to tackling gendered social harm.
Restriction: CRIM 303

CRIM 780 30 Points
CRIM 780A 15 Points
CRIM 780B 15 Points
Research Project
To complete this course students must enrol in CRIM 780 A and B, or CRIM 780

CRIM 793 60 Points
CRIM 793A 30 Points
CRIM 793B 30 Points
Dissertation - Level 9
 To complete this course students must enrol in CRIM 793 A and B, or CRIM 793

CRIM 796A 60 Points
CRIM 796B 60 Points
Thesis - Level 9
 To complete this course students must enrol in CRIM 796 A and B

CRIM 797A 60 Points
CRIM 797B 60 Points
Research Portfolio - Level 9
 To complete this course students must enrol in CRIM 797 A and B

Dance Studies

Stage I

DANCE 101 15 Points
DANCE 101G 15 Points

Introduction to Dance and Creative Processes

To develop an understanding of our moving bodies through movement awareness, dance improvisation, choreography and creative and analytic writing. Students will undertake both theoretical and practical classes focusing on a range of practices that dancers and movement practitioners use to facilitate kinaesthetic awareness, experimentation, communication and choreography. Students will explore somatic theory and practice, improvisation scores, choreography and dance analysis. DANCE 101 not available for BDanceSt.

DANCE 107 15 Points
Dance History and Contexts
 Study of the historical development in western theatre dance from the nineteenth century to the beginning of the twentieth century.

DANCE 110 15 Points
Contemporary Dance and Choreography 1
 A study of contemporary dance practices through the choreography, creative facilitation and techniques of contemporary dance makers. For BDanceSt students only.

DANCE 112 15 Points
Dance Kinesiology
 Introduction to physiological and kinesiological analysis of dance movements. The study of skeletal alignment, muscular balance and mechanical efficiency.

DANCE 120 15 Points
Dance Vocabulary I
 Introducing the study of diverse dance vocabulary including ballet, contemporary dance and the field of somatics. Students will examine specific technical requirements of identified dance vocabulary.

DANCE 121 15 Points
Dance Technique
 Continuation of work undertaken in DANCE 120 with exploration of skills, repertoire, and merging dance styles.
Prerequisite: DANCE 120

DANCE 131 15 Points
Dance Education
 The study of dance education practice and theory that shapes teaching and learning of dance in school and community contexts. Note: this course does not meet the requirements for teacher registration in New Zealand.

Stage II

DANCE 200 15 Points
Dance and Culture
 Examines the interrelationship between dance and wider political and cultural movements through practical dance classes and theoretical investigations into diverse cultural environments around the world. Students physically and theoretically engage in the study of various dance forms such as Tango, Salsa, Dabkeh, traditional Chinese dance and Bharata Natyam.
Prerequisite: 60 points passed

DANCE 201 15 Points
Dance and Interdisciplinarity
 Building integrated connections with other arts disciplines such as music, literature, art.
Prerequisite: DANCE 101 or 110

DANCE 207 15 Points
Choreography and Performance
 Focuses on the development and consolidation of choreographic and performance skills.
Prerequisite: Any 30 points at Stage I in Dance Studies

DANCE 210 15 Points
Contemporary Dance and Choreography 2
 Study of contemporary choreography practice and theory. Students create choreography that may be shared through film and/or live performances.
Prerequisite: DANCE 101 or 110

DANCE 211 15 Points
Special Topic
Prerequisite: Any 30 points at Stage I in Dance Studies

DANCE 212 15 Points
New Zealand Dance Contexts and History
 Emphasis is on the socio-historical developments of dance in the twentieth century. Choreographers, dancers, designers and composers who have created, influenced and shaped dance in New Zealand will be studied via lectures, videos, scores, and reconstructions.
Prerequisite: DANCE 107

DANCE 215 15 Points
Special Topic: Styles and Techniques: Street Dance and Jazz
Prerequisite: Any 30 points at Stage I in Dance Studies

DANCE 216 15 Points
Indigenous Dance: Aotearoa and Te-Moana-Nui-a-Kiwa
 Develops knowledge of foundational creative dance praxis pertaining to the Contexts of Aotearoa and Moana-Nui-a-Kiwa. Explores cultural and kinaesthetic expressions, traditions, protocols and artists' elements in relation to indigenous concepts and methodologies of dance practices.
Prerequisite: MĀORI 190, PACIFIC 110

DANCE 220 15 Points
Dance Vocabulary II
 Exploring and analysing contemporary dance practices and

techniques. Movement skills and performance skills will be developed integrating personal movement with techniques.
Prerequisite: DANCE 120

DANCE 222 15 Points
Safe Dance Practices

Establishing the theory and practice of safe dance practices within education, performance and health related contexts. Anatomy, kinesiology and dance conditioning methodologies will be studied in relation to dance practice.
Prerequisite: DANCE 112

DANCE 231 15 Points
Community Dance

Entering diverse community settings and teaching and learning dance; analysing the roles and functions of dance in your own and others' communities. Note: this course does not meet the requirements for teacher registration in New Zealand.
Prerequisite: DANCE 131

DANCE 250 15 Points
Special Topic: Social Dance

Prerequisite: Any 30 points at Stage I in Dance Studies

Stage III

DANCE 300 15 Points
Dance Project

Resident/Guest Artist project that gives students an intensive experience of a particular choreographic vocabulary and repertoire. Not available to BA students.
Prerequisite: 30 points at Stage II in Dance Studies

DANCE 301 15 Points
Dance and Improvisation

Developing an embodied personal practice, and understanding of the theory and practice of contact improvisation and its influence in dance, education and community contexts.
Prerequisite: Any 30 points at Stage II in Dance Studies

DANCE 302 15 Points
Dance in Aotearoa New Zealand

An examination of dance in New Zealand including Māori, Pacific Island, European, and Asian influences. Emphasis will be on developments during the twentieth century of traditional form into contemporary practice, indigenous forms in NZ society, the developments in ballet, contemporary and popular dance.
Prerequisite: DANCE 212, or DANCE 200 for students in Transnational Cultures and Creative Practice

DANCE 310 15 Points
Contemporary Dance and Choreography 3

The study of contemporary dance practices through the choreography and techniques of contemporary dance makers.
Prerequisite: DANCE 210

DANCE 312 15 Points
Dance Production

Dance works are choreographed on the students by leading dance professionals in their chosen genre, resulting in a dance production. Not available to BA students.
Prerequisite: Any 45 points at Stage II in Dance Studies

DANCE 314 15 Points
Dance and Technology

Project based study of the interaction between technology

and dance. Including hands-on practice with video, digital photography and the study of dance for film.
Prerequisite: Any 30 points at Stage II in Dance Studies

DANCE 315 15 Points
Dance Composition

Studio based course developing improvisational and compositional skills. Choreographic principles are studied as guidelines for structure and design in movement.
Prerequisite: Any 30 points at Stage II in Dance Studies

DANCE 316 15 Points
He mana Motuhake o te-Moana-Nui-a-kiwa: Contemporary Indigenous Dance

Explores the artistic relationality of Vā and Whakapapa through indigenous dance praxis. Storytelling through complex choreographic methodological and theoretical concepts will navigate the importance of people to place. Offers an insight into distinct Oceania values as it pertains to the Creative Arts in Aotearoa and wider te-moana-nui-a-kiwa.
Prerequisite: DANCE 216

DANCE 320 15 Points
Dance Vocabulary III

Refining and deepening dance practices and pedagogy strategies specific to contemporary dance. Choreographic research methods are introduced with emphasis upon articulating key questions and processes for problem solving.
Prerequisite: Any 30 points at Stage II in Dance Studies

DANCE 322 15 Points
Professional Practices

Developing skills and knowledge in planning and managing for careers in the diverse dance professions. Students will develop arts management and financial business skills, such as learning to write grant applications, CVs and personal plans that relate to employment and funding issues.
Prerequisite: DANCE 222

DANCE 331 15 Points
Dance Education Research

Analysis of dance teaching and learning philosophies, issues and theories as they are translated from texts and curriculum into classroom and community practice. This course does not meet the requirements for teacher registration in New Zealand.
Prerequisite: DANCE 231

DANCE 350 15 Points
Special Topic: Indigenous Contemporary Dance o te Moana Nui a Kiwa

Prerequisite: Any 30 points at Stage II in Dance Studies

DANCE 351 15 Points
Special Topic: Advanced Performance

Prerequisite: Any 30 points at Stage II in Dance Studies

Postgraduate 700 Level Courses

DANCE 720 30 Points
Choreography and Performance Research

Investigates choreographic practice and dance creation as a location for artistic production and academic research. Students will reflect on their own choreographic and performance practice through studio-based activities, while examining choreographic and performance theory.
Restriction: DANCE 733, 735, 760

DANCE 722 Dance in Community and Education Research Examines issues and philosophies of dance to the development of dance education in formal and informal contexts in New Zealand and internationally. Personal pedagogical practices are reviewed and dominant discourses critiqued. <i>Restriction: DANCE 734</i>	30 Points	developing key diagnostic and reporting tools in dance movement therapy.
DANCE 724 Research Methods and Critical Analysis in Dance Studies Examines diverse qualitative research methods, critical theory and research ethics. Through practical investigations students will source and critically review literature relevant to their personal research directions. <i>Restriction: DANCE 751</i>	30 Points	DANCE 777A DANCE 777B Practicum in Dance Movement Therapy Advanced practicum placements in dance therapy settings are supervised by experienced dance therapists. Students will extend their practical knowledge and develop their experience in observing, reporting and facilitating dance movement therapy at a professional level. <i>Prerequisite: B average or higher in Part I</i> <i>Corequisite: DANCE 797</i> <i>To complete this course students must enrol in DANCE 777 A and B</i>
DANCE 730 Dance Intensive Advanced practice in the physicality and creation of dance.	30 Points	DANCE 791 Research Project - Level 9 DANCE 792A DANCE 792B Thesis - Level 9 <i>To complete this course students must enrol in DANCE 792 A and B</i>
DANCE 761 Special Topic <i>Prerequisite: Departmental approval required</i>	15 Points	DANCE 795A DANCE 795B Thesis in Community Dance - Level 9 An independent research study focused on a topic associated with community dance. <i>To complete this course students must enrol in DANCE 795 A and B</i>
DANCE 764 Special Topic <i>Prerequisite: Departmental approval required</i>	15 Points	DANCE 796A DANCE 796B Thesis - Level 9 <i>Prerequisite: Departmental approval required</i> <i>Restriction: DANCE 794</i> <i>To complete this course students must enrol in DANCE 796 A and B</i>
DANCE 770 Dance Project	30 Points	DANCE 797A DANCE 797B Thesis in Dance Movement Therapy - Level 9 <i>Prerequisite: B average or higher in Part I</i> <i>Corequisite: DANCE 777</i> <i>To complete this course students must enrol in DANCE 797 A and B</i>
DANCE 772 Dance Therapy, Theory and Practice I Students will develop their knowledge of dance therapy through theoretical and practical approaches to understanding the conceptual and theoretical foundations that underpin concepts of therapy, well-being, therapist/client relationships and clinical health care systems.	15 Points	
DANCE 773 Dance Therapy, Theory and Practice II Builds on DANCE 772. Focuses on deepening theoretical and practical understanding of the needs of a variety of client populations in regard to different ages, issues and settings, in individual and group work. <i>Prerequisite: DANCE 772</i>	15 Points	
DANCE 774 Psychology in Dance Movement Therapy Focuses on fundamental skills required for professional clinical settings, including counselling and psychological theories and practice including accurate observation and listening techniques, development of the individual and group therapeutic relationship. Key areas covered include abnormal psychology, developmental psychology, group process and advanced counselling skills.	15 Points	
DANCE 775 Therapeutic Modalities of DMT Practicums in dance therapy contexts are supervised by experienced dance therapists. Students will extend their real world knowledge and develop their experience in observing, reporting and facilitating dance movement therapy.	30 Points	
DANCE 776 Awareness and Analysis in DMT Anatomy and kinesiology will involve the study of the structures and systems of the body through both somatic and scientific approaches. Movement observation involves	15 Points	
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Development Studies		
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Postgraduate 700 Level Courses		
DEVELOP 703	30 Points	
DEVELOP 703A	15 Points	
DEVELOP 703B	15 Points	
Independent Research Supervised study on a topic or topics approved by the Academic Head or nominee. <i>To complete this course students must enrol in DEVELOP 703 A and B, or DEVELOP 703</i>		
DEVELOP 706	15 Points	
DEVELOP 706A	7.5 Points	
DEVELOP 706B	7.5 Points	
Internship in Development Involves students in the operation of a development organisation, enables them to put into practice development theory and methods, provides experience of researching and writing a report or proposal to be used		

by the organisation, and assists them to reflect on the process in the light of development and other social science research literature.

Prerequisite: Approval of Specialisation leader

To complete this course students must enrol in DEVELOP 706 A and B, or DEVELOP 706

DEVELOP 708 15 Points
Special Topic

DEVELOP 710 15 Points
Development Policies and Institutions

Provides students with in-depth knowledge of policy approaches to alleviate poverty, enhance social justice and achieve sustainability. Contemporary development policies carried out by governments, donor agencies and UN organisations will be scrutinised. Examples of policies that will be covered in the course are land reform and migration policies, gender policies, climate adaptation and mitigation as well as ethical trade policies.

Restriction: DEVELOP 700

DEVELOP 712 15 Points
Research Methods in Development - Level 9

Provides a critical review of the phases of development research, including theoretically grounded research design and the unique ethical considerations surrounding development fieldwork. Equips students with advanced skills of employing qualitative and participatory research methodologies in challenging social and cultural settings and develops highly specialised knowledge in applying qualitative data analysis software, presenting findings and developing a postgraduate research proposal.

DEVELOP 713 15 Points
Ethics and Governance in International Development

Addresses challenges to ethics and governance that arise in international development processes. Examines the competing demands of various stakeholders in the development of appropriate governance mechanisms and the values and judgements that inform societal choices and political decision-making. Students shall be familiarised with ethical debates in international development and engaged in ethically informed conversations on contemporary development challenges.

DEVELOP 715 15 Points
Independent Research
Supervised study on a topic approved by the Academic Head or nominee.

DEVELOP 716 15 Points
Global Health and Development

Introduces a social science approach to the study of health and globalisation, tracing various historical genealogies from colonial hygiene movements, to international public health in the development sector, up through contemporary global health institutions and their governance structure. Current issues in health and development, including the increasing role of NGOs and human rights frameworks, are critically analysed.

DEVELOP 717 15 Points
Humanitarian Interventions

Traces the rise of the humanitarian narrative and examines how humanitarianism – along with other key words such as crisis, emergency, and intervention – has become one of the organising categories of political action and order. The course explores the possibilities and limits of intervening

in the lives of individuals and communities grounded upon discourses of compassion.

DEVELOP 780 30 Points

DEVELOP 780A 15 Points

DEVELOP 780B 15 Points

Research Project - Level 9

To complete this course students must enrol in DEVELOP 780 A and B, or DEVELOP 780

DEVELOP 791 60 Points
Dissertation - Level 9

DEVELOP 792 45 Points

DEVELOP 792A 22.5 Points

DEVELOP 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in DEVELOP 792 A and B, or DEVELOP 792

DEVELOP 793 45 Points

DEVELOP 793A 22.5 Points

DEVELOP 793B 22.5 Points

Research Portfolio

Prerequisite: Approval of the Academic Head or nominee

To complete this course students must enrol in DEVELOP 793 A and B, or DEVELOP 793

DEVELOP 794A 45 Points

DEVELOP 794B 45 Points

Thesis - Level 9

Prerequisite: A BA(Hons) in Development Studies with at least Second Class Honours, First Division, or equivalent

To complete this course students must enrol in DEVELOP 794 A and B

DEVELOP 796A 60 Points

DEVELOP 796B 60 Points

Thesis - Level 9

Prerequisite: A BA(Hons) in Development Studies with at least Second Class Honours, First Division, or equivalent

To complete this course students must enrol in DEVELOP 796 A and B

Disability Studies

Stage I

DISABLT 113G 15 Points

Making Disabilities: The Construction of Ideas

Examines the expression of social and cultural ideas of disability in popular culture through film, television and print media. The course aims to develop skills to examine the construction and maintenance of concepts of disability and disabling identities in popular culture. The consequences of these processes are also discussed and their implications for perpetuating social devaluation, discrimination, and disadvantage.

Drama

Stage I

DRAMA 100 15 Points

DRAMA 100G 15 Points

Presentation and Performance Skills: Taking the Stage

Focuses on enhancing oral communication and performance skills through interactive workshops with speakers and performers highlighting the transferable skills of acting in

three main areas: public speaking, improvising and group-devised performance.

Stage II

DRAMA 202A 15 Points

DRAMA 202B 30 Points

History and Performance

Explores a range of major plays from ancient Greek tragedy to contemporary New Zealand drama. This course examines plays in their historical context and as texts for performance. In Semester Two, students learn skills in theatre production by staging a full-length play, directed by an outside professional director.

Prerequisite: 60 points passed including DRAMA 100

Restriction: DRAMA 204

To complete this course students must enrol in DRAMA 202 A and B

DRAMA 203 15 Points

Drama of Aotearoa New Zealand and the Pacific

An overview of the development of modern and contemporary drama, theatre and playwriting in Aotearoa New Zealand. Topics include: experimental theatre, feminist drama and Māori drama. Some plays by Pacific writers will be considered.

Prerequisite: 60 points passed

Restriction: DRAMA 303

DRAMA 205 15 Points

Special Topic

Prerequisite: 60 points passed

Stage III

DRAMA 301 15 Points

Drama: Topics and Themes

Building on the principles and practical skills from DRAMA 202 and 204, the course will focus more narrowly on topics of theatrical practice and dramatic representation. Classes involve theatrical workshops and collaborative projects.

Prerequisite: DRAMA 202 or 204

DRAMA 302 15 Points

Performance Skills

Classes in stage acting, improvisation, movement, voice and character, taught by professional tutors. Students will present a solo or duo short performance.

Prerequisite: 30 points at Stage II

Restriction: DRAMA 719

DRAMA 303 15 Points

Drama of Aotearoa New Zealand and the Pacific

An overview of the development of modern and contemporary drama, theatre and playwriting in Aotearoa New Zealand. Topics include: experimental theatre, feminist drama and Māori drama. Some plays by Pacific writers will be considered.

Prerequisite: 30 points at Stage II

Restriction: DRAMA 203

DRAMA 304 15 Points

Contemporary Theatre Practice

A survey of current trends in theatre practice, including: devised and dance-theatre, participatory and immersive theatre, autobiographical performance, applied theatre and documentary theatre, intermedial and virtual theatre, and new musical theatre. Students will select focus areas

and engage in critical and creative research towards two key performance outcomes.

Prerequisite: 30 points at Stage II

DRAMA 305 15 Points

Drama Tools

Develops the skills that are essential in theatre-making, including acting and storytelling, by staging a public performance. During the intensive three-week rehearsal period, under the guidance of an experienced director, students work in a collaborative fashion through ongoing group discussion and theatrical practice. Other transferable skills include effective communication, team-work and problem solving in an active and creative manner.

Prerequisite: 30 points at Stage II

DRAMA 306 15 Points

Production and Management Skills

Introduces students to multiple roles and skills needed for the management of productions, companies and other organisations in the performing-arts, specifically drama, but also dance, music and other performance art. Skills discussed include planning and creating schedules and budgets, procuring and managing resources, arts organisation infrastructure and liaison, donor and benefactor development, social marketing and networking, crowdfunding, and outcome reporting.

Prerequisite: DRAMA 202 or 204

DRAMA 307 15 Points

Special Topic

Prerequisite: 30 points at Stage II

Postgraduate 700 Level Courses

DRAMA 708 30 Points

Drama and the Mind

Examines a selection of modern British and Irish dramatic texts that involve mind-body relationships and the representation of unconscious processes. Perspectives include Freudian psychoanalysis, neuroscience, and theories of acting.

DRAMA 709 45 Points

DRAMA 709A

22.5 Points

DRAMA 709B

22.5 Points

Studio - Level 9

A practical, explorative theatre or drama project, with written reflection, nominated by the student or a small group of students. Projects must be approved and supervised.

To complete this course students must enrol in DRAMA 709 A and B, or DRAMA 709

DRAMA 710 30 Points

Semester One Production

Students participate in a full-scale, public production of a full-length play. As far as possible all roles from acting to lighting to design to stage-management to front of house etc will be taken by students enrolled in the course. Direction will be by teaching staff or guest director.

Restriction: DRAMA 703

For students currently enrolled in a postgraduate programme in Drama.

DRAMA 711 30 Points

Semester Two Production

Students participate in a full-scale public production of a full-length play. As far as possible all roles from acting to lighting to design to stage-management to front of

house etc will be taken by students enrolled in the course. Direction will be by teaching staff or guest director.

Restriction: DRAMA 703

DRAMA 716 15 Points

Directed Study in Playwriting

A study of playwriting or workshopping or dramaturgy or a short writing project, either original or adaptation.

DRAMA 717A 30 Points

DRAMA 717B 30 Points

Long Play

The writing of a complete play for live performance between one hour and two hours in length.

Restriction: DRAMA 715

To complete this course students must enrol in DRAMA 717 A and B

DRAMA 718 30 Points

Playwriting

A series of exercises in the basic building blocks of dramatic writing, incorporating guest visits from practising and established dramatists.

Restriction: DRAMA 714

DRAMA 719 15 Points

Performance Skills

Classes in stage acting, improvisation, movement, voice and character. Students will present a solo performance and a short study in performance training theory.

Restriction: DRAMA 302, 702

DRAMA 720 30 Points

DRAMA 720A 15 Points

DRAMA 720B 15 Points

Advanced Playwriting

Develops skills in playwriting with each student working under supervision.

To complete this course students must enrol in DRAMA 720 A and B, or DRAMA 720

DRAMA 721 15 Points

Directed Study in Drama 1

DRAMA 722 15 Points

Directed Study in Drama 2

DRAMA 723 30 Points

DRAMA 723A 15 Points

DRAMA 723B 15 Points

Special Topic

To complete this course students must enrol in DRAMA 723 A and B, or DRAMA 723

DRAMA 724 30 Points

DRAMA 724A 15 Points

DRAMA 724B 15 Points

Special Topic

To complete this course students must enrol in DRAMA 724 A and B, or DRAMA 724

DRAMA 725 15 Points

Special Topic in Drama

DRAMA 726 30 Points

Special Topic

DRAMA 728 30 Points

Research Principles for Theatre

Outlines the principles of research for theatre. Combines critical enquiry, theory and practical exercises to explore best practice in scholarly and creative performance

research. Topics include developing a subject, refining a research question, scholarly research practices, using the creative process as research methodology, and framing research findings. Examines impact of language, culture and gender on theatre research.

DRAMA 730 30 Points

DRAMA 730A 15 Points

DRAMA 730B 15 Points

Studio/Project in Practical Drama

Students may undertake a supervised practical project in drama of a limited scale, either as an individual or in a small group.

To complete this course students must enrol in DRAMA 730 A and B, or DRAMA 730

DRAMA 770 60 Points

DRAMA 770A 30 Points

DRAMA 770B 30 Points

Studio/Project in Drama - Level 9

Substantial individual and group project(s), including some public presentation of project work.

To complete this course students must enrol in DRAMA 770 A and B, or DRAMA 770

DRAMA 783 60 Points

DRAMA 783A 30 Points

DRAMA 783B 30 Points

Dissertation - Level 9

To complete this course students must enrol in DRAMA 783 A and B, or DRAMA 783

DRAMA 790 30 Points

DRAMA 790A 15 Points

DRAMA 790B 15 Points

Research Project - Level 9

To complete this course students must enrol in DRAMA 790 A and B, or DRAMA 790

DRAMA 792 45 Points

DRAMA 792A 22.5 Points

DRAMA 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in DRAMA 792 A and B, or DRAMA 792

DRAMA 793A 45 Points

DRAMA 793B 45 Points

Thesis - Level 9

To complete this course students must enrol in DRAMA 793 A and B

DRAMA 795A 30 Points

DRAMA 795B 60 Points

Thesis - Level 9

To complete this course students must enrol in DRAMA 795 A and B

DRAMA 796A 60 Points

DRAMA 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in DRAMA 796 A and B

DRAMA 797A 60 Points

DRAMA 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in DRAMA 797 A and B

Education

Stage I

EDUC 100 15 Points

EDUC 100G 15 Points

The Creative Process

Theories and practices of creativity will be examined and practically explored through a variety of disciplines, such as the arts, biology, psychology, sociology, philosophy and education. What is creativity? Can creativity be learnt? What happens in the brain when we are creative? These are some of the questions addressed in this course.

EDUC 105 15 Points

EDUC 105G 15 Points

Teaching: Tales and Traditions

Introduces key ideas on teachers and teaching. Explores teaching traditions, their origins, stories of teaching in New Zealand; stories of teachers that generate change; and how teaching and teachers are understood in diverse contexts such as early childhood, schooling and our wider communities. Considers the following: How should we teach? What counts as knowledge? What contradictions do teachers encounter?

EDUC 106 15 Points

History of Education and Society

Introduces the study of education from sociological, historical and philosophical perspectives. Examines the forces that have shaped education in Aotearoa New Zealand with a view to understanding and theorising issues of equity, social justice, and diversity in education over time.

Restriction: EDUC 118

EDUC 113 15 Points

Current Issues in Education

Educational issues are pressing concerns in our society. The course will help develop understanding of the background of today's public debates around schooling and will introduce ways in which educational thought and research address big topics.

Restriction: EDUC 118

EDUC 114 15 Points

Introduction to Māori Education

An introduction to Māori education and to the education of Māori in Aotearoa. A range of critical issues related to Māori experiences both in and as a result of schooling and education in Aotearoa, and Māori educational interventions that have emerged, are examined.

Restriction: EDPFST 100

EDUC 115 15 Points

Introduction to Child and Adolescent Development

Study of factors influencing children's development and socialisation within the culturally and linguistically diverse context of New Zealand. Research from developmental psychology and from family and parenting will be drawn upon to explore physical, emotional, social, cognitive and language development during childhood and adolescence.

EDUC 116 15 Points

Introduction to Educational Thought

Why do we go to school? What is the purpose of schooling in society and do good grades translate into good jobs? An introduction to the study of education from sociological, historical and philosophical perspectives with reference to the forces that have shaped the development of

education, especially in New Zealand. Understanding social inequalities in education relating to ethnicity, gender and class form a central concern of this course.

EDUC 117 15 Points

Teaching and Learning: An Educational Psychological Perspective

Includes an examination of core aspects of educational psychology that include thinking, learning, and behaving. An analysis of relevant theory and research within psychology in education: topics include behaviour analysis, measurement and assessment, cognition, socialisation, and individual differences. Students will explore these in relation to different educational settings and contexts, for example, culture, community, school, and classroom.

Restriction: EDUC 111, 119, 121, 121G

EDUC 118 15 Points

History and Society in New Zealand Education

Examines the wider context of New Zealand education through a historical and contemporary overview. Draws on a critical sociological analysis of selected issues in society. Some emphasis is given to learners and their communities, including Māori, Pasifika, new migrants, and people with disabilities.

Restriction: EDUC 111, 112, 113, 140, EDUCM 140

EDUC 119 15 Points

Development, Learning and Teaching

Presents an introduction to developmental and psychological theory and research and its application to teaching and learning within a variety of educational settings. Understandings for creating effective learning environments which foster high levels of motivation for all learners will be identified through an exploration of typical and atypical development; and behavioural, cognitive, constructivist and social approaches to teaching and learning.

Restriction: EDUC 117

EDUC 121 15 Points

EDUC 121G 15 Points

How People Learn

Focuses on learning in formal and informal settings and addresses such questions as: why do some things seem easier to learn than others, why do we forget things we once knew, and why do some people learn faster or better than others? Examines the nature of intelligence and how to help personal learning or the learning of others.

EDUC 122 15 Points

Learning Sexualities

How and what do we learn about sexualities in New Zealand? Learning about sexualities is viewed as occurring both formally (e.g., through sexuality education) and informally (e.g., through the media) in a diversity of social sites. Schools are examined as one significant site where students are offered sexual meanings. The historical derivation and current context of contemporary education about sexuality along with its social effects are investigated.

EDUC 142 15 Points

Health and Physical Education in a Diverse Society

Introduces students to thinking critically about Health and Physical Education. Examines discourses about health and physical activity from historical and sociological perspectives. Introduces diversity as it relates to educational opportunity in Health and Physical Education. Addresses such questions as: How are notions about health

and physical education and difference constructed and supported?

Restriction: EDUC 141, EDUCM 141

Stage II

EDUC 200 15 Points Youth Mentoring

A theoretical and applied study of youth mentoring. Students will develop an understanding of theories of youth and youth mentoring, examine current issues in youth mentoring such as cultural perspectives, developmental considerations, and contexts of youth mentoring. Students will also engage in a mentoring internship where they will demonstrate their ability to integrate and apply their developed knowledge and skills.

Prerequisite: Any 60 points passed and approval from the Course Director

EDUC 201 15 Points History of Education

An examination of the nature of historical inquiry with reference to New Zealand's educational past; questions why education has been analysed largely as something planned rather than something experienced and introduces oral history as methodology. Selected aspects of the educational histories of other countries will be discussed for comparative analysis.

Prerequisite: Any 60 points passed

EDUC 203 15 Points Pasifika Education and Diversity

Analyses how experiences and outcomes for learners in contemporary education contexts are shaped by social constructions informed by class, ethnicity, culture, gender, sexuality, and (dis)ability. Examines the role of education policies and socio-historical context on teacher responsiveness to diversity and difference. Explores a range of transformative approaches. Particular attention is given to Pasifika learners.

Prerequisite: EDUC 106

EDUC 204 15 Points Philosophy and Sociology of Education

An exploration of key educational themes and questions from philosophical and sociological perspectives.

Prerequisite: Any 60 points passed

EDUC 207 15 Points Decolonising Education

An examination of the interaction of the state and indigenous peoples in the contested area of education and schooling; a focus on de/colonisation develops an understanding of the origins and philosophies of contemporary educational structures such as kōhanga reo, kura kaupapa Māori and wānanga in Aotearoa New Zealand, together with examples of other indigenous educational issues and initiatives.

Prerequisite: Any 60 points passed

EDUC 209 15 Points The Learning Society

Takes students beyond the classroom to public educative spaces: museums and galleries, libraries, virtual worlds and the street. Students will explore the idea of public pedagogy and its educative reach in the diverse, urban space of Auckland city.

Prerequisite: 60 points passed

EDUC 211 15 Points Schooling Ethnic Diversity

A critical examination of research on ethnic diversity in New Zealand schools. The course discusses equity, 'race', ethnicity, biculturalism, 'multicultural education', equal opportunity, and other theories, structures and strategies developed in New Zealand and overseas in response to ethnic diversity.

Prerequisite: Any 60 points passed

EDUC 212 15 Points Global Education Policy for All?

Interrogates how and why education is positioned in contemporary times as a key vehicle for promoting sustainable development and as a fundamental human right. Specific attention is given to the politics and power dynamics behind global educational policies and frameworks, and the impacts these have on learners, educators, communities and societies throughout Oceania and beyond.

EDUC 213 15 Points Education and Social Justice

Can education contribute to social justice? A critical examination of the contemporary concern with social justice in education. Drawing on local and international research, this course explores debates about the nature of power, and the ways that gender and sexuality, ethnicity, indigeneity, social class, and other social identities are taken up in the pursuit of social justice within education.

Prerequisite: Any 60 points passed

EDUC 214 15 Points Children: Rights and Justice

Provides an in-depth understanding of children and young people's rights, covering legal, educational, social, and ethical aspects. It examines New Zealand and global children's rights frameworks, legal instruments, and youth justice issues including how young offenders are treated in Aotearoa's youth justice system. Students learn how these rights may be promoted and protected in formal and informal settings.

EDUC 221 15 Points Child Development

A study of key issues in development, with a focus on early and middle childhood. Topics include family, peer, cultural, and media influences on typical and atypical development.

Prerequisite: Any 60 points passed

EDUC 223 15 Points Educational Psychology

An introduction to new ways of thinking about learning in educational settings: how students can develop their learning abilities, be more strategic in their learning, and increase their motivation. These questions and themes can be applied to educational, family and work settings, and to students with different learning needs. A foundation to advanced courses in psychological studies in education.

Prerequisite: Any 60 points passed

EDUC 224 15 Points Assessment and Evaluation in Education

An examination of the theoretical and practical dimensions of designing, administering, and interpreting curriculum-aligned assessment and evaluation practices and policy including an introduction to valid and reliable data collection and interpretation practices. Recent New Zealand assessment policy and practice will also be analysed.

Prerequisite: Any 60 points passed

EDUC 283 15 Points
Pedagogy – Beyond Skills and Methods
 Examines personal experiences and views of teaching and learning and the impact of theories of learning on classroom practices. The course also includes discussion of the relationship between pedagogy and race, class and gender; Māori pedagogy; pedagogy and student achievement; and New Zealand and international examples.
Prerequisite: Any 60 points passed

Stage III

EDUC 300 15 Points
Understanding Childhood
 Investigates children's cultural and social worlds in local and global contexts. 'The course gives a voice to children's views and understandings of their childhoods. Topics include: What is 'childhood'? What roles do place and space have in children's lives? How do children's rights invite children to participate in their own lives?
Prerequisite: 45 points at Stage II

EDUC 304 15 Points
Educational Philosophy and Policy
 Examines the competing ideologies of individualism and community, their influence in recent educational reforms in New Zealand, and their wider implications for education, society and culture. Introduces the basic concepts and themes of classical liberalism, comparing and contrasting them with versions of neo-liberalism, and outlines the case for a community-based social policy and the renewal of social democracy.
Prerequisite: Any 45 points passed at Stage II

EDUC 308 15 Points
The Return of the Teacher
 Examines the development of teaching and of the role of 'teacher' over time. Draws on examples of teachers from different time periods and cultures to analyse what teaching means and how and why it is valued. Explores implications of different perceptions of the role of teaching and teachers.
Prerequisite: Any 45 points passed at Stage II

EDUC 313 15 Points
Special Study in Education
 Supervised inquiry in an area of education approved by the Head of the Liberal Arts Programme in the Faculty of Education and Social Work.
Prerequisite: Any 45 points at Stage II and Departmental approval

EDUC 314 15 Points
Special Topic
Prerequisite: Any 45 points passed at Stage II

EDUC 316 15 Points
Gifted Education
 An analysis of the gifted education movement and of the need for appropriate educational provision for gifted and talented students. The course draws on current research to assist with the identification of gifted and talented students and with the development of strategies to meet their learning and emotional needs.
Prerequisite: Any 45 points passed at Stage II

EDUC 318 15 Points
Teaching Languages in Schools
 Students who have a working knowledge of a second language will study and apply strategies for classroom

teaching of second languages in schools. Following critical reflection on different teaching models used in schools, students will prepare teaching materials, plan class lessons and apply information and communication technology in teaching and learning second languages.
Prerequisite: Any 45 points passed at Stage II

EDUC 319 15 Points
Special Topic
Prerequisite: Any 45 points passed at Stage II

EDUC 321 15 Points
Politics, Philosophy and Education
 Investigates the relationship between local, national and global politics and education in Aotearoa New Zealand. Explores philosophical perspectives on teaching and the relationship between educational theory and practice.
Prerequisite: EDUC 118 or 140 or 142 or EDUCM 118
Restriction: EDUC 320, EDUCM 320

EDUC 322 15 Points
Re-thinking Pasifika Education
 A critical examination of current issues and debates relating to the education and development of Pasifika communities of Aotearoa New Zealand. Theoretical frameworks that enable the identification and critique of multiple perspectives and relations of power will be introduced and explored.
Prerequisite: Any 45 points passed at Stage II

EDUC 323 15 Points
Contemporary Topics in Educational Psychology
 A study of the latest topics in Educational Psychology. Supports engagement with contemporary Educational Psychology research and facilitates critical thinking.
Prerequisite: 45 points at Stage II
Restriction: EDUC 342

EDUC 324 15 Points
Inclusive Education and Philosophy
 Critically appraises philosophical perspectives on education to enable students to articulate a developing philosophy and practice of teaching including the relationship between local, national and global politics and inclusive education in Aotearoa New Zealand. Highlights concepts of social justice, equity and diversity and relates these concepts to competing discourses of ability, (dis)ability and inclusion.
Prerequisite: EDUC 203

EDUC 341 15 Points
Introduction to Counselling in the Community
 An examination of the application of basic principles of counselling to the needs of individual children and adults and to couples, families and other groups.
Prerequisite: Any 45 points passed at Stage II

EDUC 347 15 Points
Ideas of the University Student
 Offers a multi-disciplinary exploration of the 'idea of the university student' through history, popular culture, and social theory to show how that idea has changed over time and who it has included and excluded along the way. Students will critically reflect on their own diverse positions and experiences as university students in relation to these powerful but shifting ideas about university education and its imagined student.
Prerequisite: Any 45 points passed at Stage II

EDUC 351 15 Points
Understanding Behaviour in Classrooms
 The contribution of social psychological theories and

methods to educators' understanding and management of learning and instruction in New Zealand classrooms.

Prerequisite: Any 45 points passed at Stage II

EDUC 352 **Adolescence** **15 Points**

Selected aspects of adolescent psychology including theories of development and an examination of contemporary issues in development such as positive youth development, cognitive transitions, family and peer contexts, sexuality, identity, and psychosocial problems.

Prerequisite: Any 45 points passed at Stage II

EDUC 360 **Treaty Politics in Education** **15 Points**

A critical examination of the emergence of the Treaty of Waitangi in education, and the tensions and convergences that exist between Māori aspirations and state policies. Key themes, initiatives, relationships and policies in education are considered within the broader question of the place of the Treaty in Aotearoa New Zealand.

Prerequisite: Any 45 points passed at Stage II

EDUC 380 **Methods of Research in Education** **15 Points**

A grounding in some of the main research and evaluation methods, both quantitative and qualitative, that are useful for educational and social science researchers, and in some of the arguments about their power and legitimacy.

Prerequisite: Any 45 points passed at Stage II

Stage IV

EDUC 400 **Professional Development** **15 Points**

Covers topics related to professional and personal development. Discusses the status and challenges of teaching as a profession and includes the varying roles of teachers in keeping up with the rapid changes and expectations required of them. Continuing education for self-improvement is also given emphasis.

Prerequisite: Student must be enrolled in BEd(TESOL)

Diploma Courses

EDUC 603 **15 Points**

EDUC 603A **7.5 Points**

EDUC 603B **7.5 Points**

Education after Society

Critically examines the conceptions that inform education in Aotearoa New Zealand. The course provides critical frameworks for making sense of the complexity of educational issues and prepares students to see themselves as significant actors within education. The course will focus on specific themes and issues that will become the basis for professional inquiry.

Restriction: EDPROFST 612

To complete this course students must enrol in EDUC 603 A and B, or EDUC 603

Postgraduate 700 Level Courses

EDUC 702 **Historical Research in Educational Settings** **30 Points**

Explores and applies historical research methods to the field of education. Using documentary sources, oral and/or visual evidence, students will be expected to design and carry out a supervised inquiry.

EDUC 703 **30 Points**

Educational Philosophy

Current themes in the philosophy of education in the light of broader tendencies in modern and post-modern thought.

EDUC 705 **30 Points**

Education and Global Policymaking

Explores the following topics and themes: policy analysis and formulation in the context of development; the impact of the globalisation on, and the role of international agencies in, education for development; human capital theory and human resource development; education and aid; research and consultancy strategies and ethics; New Zealand's ODA policy towards Oceania; global and local intersections in Oceanic education.

Restriction: EDUC 766

EDUC 706 **30 Points**

EDUC 706A **15 Points**

EDUC 706B **15 Points**

Measurement and Advanced Statistics

Instruction in measurement will cover theories, principles, uses, and techniques for estimating statistical and practical significance, causation, instrument validity, reliability, and error. Principles and methods of factor analysis, structural equation modelling, hierarchical level modelling, missing value analysis, and propensity score analysis will be covered to statistically analyse educational data that are latent, nested, repeated, longitudinal, incomplete, and highly interconnected.

To complete this course students must enrol in EDUC 706 A and B, or EDUC 706

EDUC 709 **30 Points**

Re-claiming Pasifika Education

A critique of education policy, practice and research as experienced by Pacific-heritage communities throughout Aotearoa New Zealand. Socio-cultural and historical perspectives are utilised. Pacific/Pasifika pedagogical frameworks and research approaches are examined in terms of underlying knowledges, philosophies and discourses and how these might position teachers and researchers in partnership with Pasifika communities, to enhance outcomes for Pasifika learners.

EDUC 710 **30 Points**

Issues in Indigenous Education

Applied critical studies of selected, topical educational questions of international importance to indigenous peoples. May include the politics and practices of language regeneration, social and educational transformative initiatives, indigenous educational leadership, training and professional practice for indigenous educators, indigenous knowledge and curricula. The course assumes experience or knowledge of indigenous education contexts.

EDUC 712 **30 Points**

Race, Ethnicity and Education

An examination of discourses of race and theories of ethnicity in bicultural and multicultural educational contexts in Aotearoa New Zealand.

EDUC 713 **30 Points**

Global Childhoods - Level 9

Critically investigates existing and emerging problems in the field of global childhoods. Using theoretical perspectives at the forefront of critical childhood studies and early childhood education, this course develops highly specialised knowledge addressing questions such as: How

are concepts, such as sustainability, technology, media, and pandemic, affecting concepts of childhoods? How do global childhoods impact on curriculum, pedagogy and education?

EDUC 716 **Education and Diversity - Level 9** **30 Points**

How do we best teach for the increasing diversity in our educational settings? This course is an advanced study in educational approaches to ethnic, cultural, and linguistic diversity. Independent critical engagement with antiracist education, bilingual education, cosmopolitan education and critical multiculturalism will occur alongside an examination of educational theory, policy and practice, and in relation to debates in Māori education.

EDUC 717 **30 Points**

EDUC 717A **15 Points**

EDUC 717B **15 Points**

Special Study

Supervised inquiry in an area of education approved by the Head of the Liberal Arts Programme in the Faculty of Education and Social Work.

To complete this course students must enrol in EDUC 717 A and B, or EDUC 717

EDUC 726 **30 Points**

Special Topic

EDUC 731 **30 Points**

Special Topic

EDUC 732 **30 Points**

Culturally Sustaining Leadership

An examination of culturally authentic leadership practices in Aotearoa. This course is designed to increase understanding of why there is a need to have culturally aligned leadership and the implications this might have on culturally sustaining that leadership across a range of contexts.

EDUC 733 **30 Points**

Teaching in Bilingual/Immersion Settings

Critically examines research on and practice in bilingual/immersion education, with an emphasis on the implications for educational practice and curriculum development. Includes a focus on the impact of policy on practice in bilingual/immersion settings.

Restriction: EDPROFST 710

EDUC 734 **30 Points**

Māori/Indigenous Language Revitalisation

Examines efforts to revitalise Māori language and selected indigenous languages through education. Includes interventions by both government and indigenous groups in policy, practices, and language rights. The approach is interdisciplinary, drawing on sociolinguistics, political theory, sociology, law and education, and international, with examples from Aotearoa, Europe, North America and the Pacific.

Restriction: EDPROFST 711

EDUC 735 **30 Points**

Researching Educational Settings

A detailed examination of the assumptions underlying, and processes and practices in different research traditions. The development of understandings of how to conduct research and to analyse, interpret and synthesise research-based information in educational or community settings.

Restriction: EDPROFST 756

EDUC 737 **30 Points**

Special Topic: Arts in Communities

Community arts involve people in creative processes that have both artistic and social aims. Through practice and critical analysis students will examine arts in justice, development, health and youth settings, and specific sites such as museums. These practices will be analysed in relation to key political and aesthetic debates about the arts and social change.

EDUC 738 **30 Points**

Gifted Learners: Meeting their Needs

Covers a range of approaches to identify and provide for the diverse needs of gifted learners in different sectors and interest groups. Acceleration and enrichment strategies will be considered in conjunction with social and emotional implications.

Restriction: EDPROFST 773

EDUC 741 **30 Points**

Educational Psychology

An advanced study of cognitive, motivational and social factors influencing learning.

EDUC 742 **30 Points**

Child Developmental Psychology

An advanced examination of theory and research in selected topics in child development.

EDUC 747 **30 Points**

Leadership in Youth Development - Level 9

An advanced study of the theories of adolescence and positive youth development, including a critical examination of research dealing with issues which affect adolescents in a variety of contexts. Includes collaborating with and supporting a campus-based therapeutic youth mentoring programme to advance understanding of youth development leadership and practice skills.

Prerequisite: Course Coordinator approval

Restriction: PROFPCOUN 700, SOCYOUTH 300

EDUC 750 **30 Points**

Special Topic

EDUC 755 **30 Points**

Social Psychology of the Classroom - Level 9

A critical examination of key social psychological constructs as they relate to the classroom, student-teacher relationships and learning. Topics such as motivation, stereotyping, class climate, teacher expectation, and teacher and student self-beliefs will be explored in order to critically challenge current teaching practices. Through systematic inquiry students will be expected to identify ways in which a problem of practice can be addressed.

EDUC 756 **30 Points**

Applied Theatre: Performance of Hope

Applied theatre describes a range of performance practices that address significant social issues. Students will engage with practical approaches to applying theatre in diverse community contexts. Building on an historical overview of applied theatre, students will critically consider political, ethical, aesthetic and pedagogic problems and possibilities inherent to theatre practices that actively contribute to social change.

EDUC 758 **30 Points**

Winners and Losers? Social Theories of Education

Examines education as a contested site by applying selected critical social theories to current practice and policy issues in a range of educational sectors, from early

childhood to tertiary education. Asks whose interests are being most served in the ways in which we currently arrange education and imagines how education could be arranged otherwise.

EDUC 759 30 Points
Inclusive Practices for Neurodiversity

A critical analysis and application of educational approaches to neurodiversity centred on children and young people's inclusion, belonging and learning across education settings. Provides an opportunity to critically examine concepts and ideas relating to neurodiversity and their implications for and application to education policy, teaching practice, and approaches to learning support.

EDUC 763 30 Points
Special Study

An advanced study in a topical area of educational inquiry.

EDUC 764 15 Points
Special Study

An advanced study in a topical area of educational inquiry.

EDUC 765 30 Points
Critical Inquiries in Educational Settings

Research in critical studies of education is vibrant and wide-ranging. This course focuses on an education topic of pressing political and social concern. Students will have opportunities to engage in small research projects through a range of theoretical and/or disciplinary approaches, using a student cohort plus academic supervisor model.

EDUC 766 15 Points
Education and International Development

Examines the role of education within the process of economic, political, social and cultural change within the 'developing' world, with a particular focus on the small island states of the Pacific. Theories, concepts and models of 'development' and how these influence educational policy and practice are explored.

Restriction: EDUC 705

EDUC 767 30 Points
Childhood Studies - Level 9

An advanced study of childhood from a range of perspectives using interdisciplinary approaches of pedagogy, sociology, philosophy, psychology and other disciplines. Independent critical engagement with theories and constructs related to practices across a range of social sciences and humanities will provide students with specialist knowledge and skills to liaise with and inform key agencies of specific issues within the field.

EDUC 768 15 Points
Special Topic

EDUC 769 15 Points
Special Topic

EDUC 776 30 Points
Education, Culture and Knowledge

An examination of sociological theories concerning the role of culture and knowledge within educational settings. Discusses questions such as: How have globalised forces influenced cultural movements in New Zealand education since the 1970s? How do culture movements influence knowledge production and reproduction, educational policies and professional practices?

Restriction: EDPROFST 776

EDUC 777 30 Points

Māori-Pākehā Educational Relationships

An examination of schooling in New Zealand as an indigenous project. Historical and contemporary expressions of the educational relationship between Māori and Pākehā are studied, including the impact of the Treaty of Waitangi on the development of New Zealand schooling. The course offers an opportunity for students to examine the position of other groups in relation to the Māori-Pākehā relationship.

EDUC 784 30 Points

EDUC 784A 15 Points

EDUC 784B 15 Points

Research Topic in Education

Supervised inquiry in an area of education approved by the Head of the Liberal Arts Programme in the Faculty of Education and Social Work.

To complete this course students must enrol in EDUC 784 A and B, or EDUC 784

EDUC 787 30 Points

EDUC 787A 15 Points

EDUC 787B 15 Points

Māori and Indigenous Research

An examination of how best to approach research with, by and for Māori, Pasifika and other Indigenous groups. The course has relevance for all researchers in the education, community and social service sectors. Includes kaupapa Māori and other Indigenous methodologies and the practicalities and ethics of this research. Particular attention is given to the development of advanced writing skills for research.

Restriction: EDPRAC 751, EDPROFST 700, 754, 757, EDUC 735, 787, EDUCSW 700, HIGHED 704, SOCWORK 718

To complete this course students must enrol in EDUC 787 A and B, or EDUC 787

EDUC 790 30 Points

EDUC 790A 15 Points

EDUC 790B 15 Points

Research Project - Level 9

Restriction: EDUC 796

To complete this course students must enrol in EDUC 790 A and B, or EDUC 790

EDUC 791 30 Points

Socio-cultural Examination of Sport and Exercise

Critical examination of the cultural meanings and social significance of sport and exercise. Analyses how different sociological approaches have applied key concepts in examining and understanding the importance of sport and exercise practices in contemporary society.

EDUC 792A 60 Points

EDUC 792B 30 Points

Thesis - Level 9

Corequisite: 30 points from EDUC 735, 787, EDPRAC 751, EDPROFST 700, 754, 757

To complete this course students must enrol in EDUC 792 A and B

EDUC 794A 30 Points

EDUC 794B 60 Points

Thesis - Level 9

Corequisite: 30 points from EDUC 735, 787, EDPRAC 751, EDPROFST 700, 754, 757

To complete this course students must enrol in EDUC 794 A and B

EDUC 796A	60 Points
EDUC 796B	60 Points
Thesis - Level 9	
<i>To complete this course students must enrol in EDUC 796 A and B</i>	
EDUC 797A	60 Points
EDUC 797B	60 Points
Research Portfolio - Level 9	
<i>To complete this course students must enrol in EDUC 797 A and B</i>	

Named Doctoral Courses

EDUC 801	30 Points
Literature Review	
An advanced examination of students' thesis topic through a rigorous review of the existing literature. The craft of advanced academic writing is developed through literature synthesis and critique, identifying research gaps to explore in their thesis work, developing an academic argument, exploring positionality, and drafting research questions for the thesis.	

EDUC 802	30 Points
Theoretical Framework	
An advanced examination of the role of theoretical frameworks as the system of concepts, assumptions, expectations and beliefs that supports and informs education research. The craft of advanced academic writing is developed through a detailed description of the chosen theoretical framework, with attention to how the framework informs the study design and research questions.	

EDUC 803	30 Points
Study Design	
An advanced examination of research methods best suited to undertake the proposed thesis investigation. The craft of advanced academic writing is developed through a discussion of and rationale for the proposed methods including a description of study design, participants, sampling plan, study setting, data collection and analysis techniques. Reliability and validity constraints are also explored.	

EDUC 804	30 Points
Thesis Proposal	
The craft of advanced academic writing is further developed through refinement of the literature review to present a cogent rationale for the proposed investigation, a clear explanation of how the theoretical framework will guide the study and complete articulation of the proposed methods.	

Education and Social Work

Stage I

EDUCSW 199	0 Points
EDUCSW 199A	0 Points
EDUCSW 199B	0 Points
English Language Competency	
To complete this course students must attain a level of competency in the English language as determined by the Faculty of Education and Social Work.	
<i>To complete this course students must enrol in EDUCSW 199 A and B, or EDUCSW 199</i>	

Stage II

EDUCSW 201	15 Points
Diversity in Aotearoa/New Zealand	
Explores diversity in Aotearoa New Zealand, focusing on its bicultural history and contemporary public policy. Questions power relations relating to the Treaty of Waitangi and biculturalism, extending to the nation's increasing ethnic, cultural and linguistic diversities. Critiques intersectionalities of culture, race, ethnicity, gender, socio-economic location, sexuality, disability, age and examines policy implications. Tamaki Makaurau (Auckland) is a key illustrative setting.	
<i>Prerequisite: EDUCSW 101 or EDPROFM 100</i>	
<i>Restriction: EDUC 118, SOCWORK 113, 114</i>	

EDUCSW 202	15 Points
New Cultures of Learning	
Examines the current 'learning revolution' that has emerged from widespread economic, social, technological and environmental changes in today's globalised world. Questions the what, why and how of learning and recognises that 'formal' education represents only one aspect of 'learning'. Provides an overview of theories and practices of new cultures of learning, which students can relate to their own learning experiences.	

Stage III

EDUCSW 302	15 Points
Service Learning	
A service-learning experience during which students will develop specialist knowledge and skills. With supervision, students will engage in culturally-responsive, reflective practice that is of direct benefit to others. Professional and ethical relationship management, effective communication skills, critical reflection and evidence-based decision making will be emphasised.	
<i>Prerequisite: Students are required to consent to the disclosure of criminal convictions and safety checks as required by the Children's Act 2014</i>	

EDUCSW 303	15 Points
Research and Professional Practice	
Develops knowledge and understanding of a range of research paradigms and how research informs professional practice. Critically examines the scope and nature of research. Designs a valid, ethical, and appropriate inquiry of a professional practice topic.	
<i>Prerequisite: 45 points at Stage II</i>	
<i>Restriction: EDCURRIC 335</i>	

Diploma Courses

EDUCSW 600	15 Points
Special Study	
Students undertake a supervised study into an aspect of the New Zealand curriculum, or relevant to education in New Zealand or the wider context. Key questions are formulated and specified outcomes addressed.	
<i>Prerequisite: Head of Programme approval</i>	

Postgraduate 700 Level Courses

EDUCSW 700	30 Points
Research Methodologies	
Students explore two content strands. The first strand focuses on philosophical and theoretical questions about how we use and produce knowledge. The course takes a high-level view of methodological assumptions underlying	

different research traditions including Māori, Pasifika and other Indigenous research. The second strand focuses on understanding how to collect, interpret and synthesise research information in education and social services.

Restriction: EDPRAC 751, EDPROFST 700, 754, 757, EDUC 735, 787, EDUCSW 701, HIGHED 704, SOCWORK 718

EDUCSW 701
Special Study

30 Points

Education Curriculum Māori

Stage I

EDCURRM 102 **15 Points**

Te Reo Matatini Te Pihinga

Develops the knowledge, skills and attitudes associated with planning, teaching and assessing for students' literacy learning across ngā Marautanga Māori. Addresses questions such as: What do teachers need to know to teach literacy effectively? How do teachers' literacy competencies affect student learning? How do teachers balance the needs of the curriculum and the needs of learners?

Restriction: EDCURRIC 102

EDCURRM 108 **15 Points**

Pāngarau: He Whakatakinga

Develops knowledge and understanding of the discipline of Pāngarau and its relevance and purpose. Understands how the discipline is manifested in the form of curricula documents and guides. Considers questions such as what does it mean for children to know pāngarau and the associated debates and related theory. Examines the specific pāngarau education discourse in te reo Māori.

Restriction: EDCURRM 104

EDCURRM 109 **15 Points**

Te reo Matatini 1: Te Pihinga

Develops knowledge, skills and attitudes associated with planning, teaching and assessing for learners' literacy learning across Marautanga. Examines a range of pedagogical practices and beliefs, including second language learning theory and pedagogy to teach literacy effectively and to improve outcomes for learners.

Restriction: EDCURRM 102

EDCURRM 111 **15 Points**

Hauora

Develops understanding of hauora, its whakapapa, philosophies and practices that support learning and teaching. Examines how teachers implement quality learning experiences based on ngā akoranga koiri me ngā mātauranga hauora to ensure effective learning for a diverse range of learners. Focuses on how learning is monitored and assessed. Examines the specific te reo Māori discourse in hauora education.

Restriction: EDCURRM 103

EDCURRM 114 **15 Points**

Pūtaiao - He Whakatakinga

Demonstrates knowledge of the relevance of pūtaiao for students, community, and society. Develops understanding of pūtaiao as a discipline. Demonstrates and develops knowledge of the pūtaiao learning areas, planning, teaching and assessment, other relevant progressions, and support materials. Examines how teachers design quality learning environments for positive engagement and effective learning in pūtaiao for a diverse range of learners.

Restriction: EDCURRM 113

EDCURRM 117 **15 Points**

Ngā Toi: He Whakatakinga

Inquires into the place of Ngā Toi in education, and develops capability and understanding through experiences in each of the three Ngā Toi disciplines: Toi Ataata; Ngā Mahi a te Rēhia; and Toi Puoro. Designs for learning by applying pedagogical, curriculum and content knowledge to select approaches and resources for Ngā Toi learning experiences for valued outcomes for learners.

Restriction: EDCURRM 101

EDCURRM 119 **15 Points**

Tikanga ā-iwi: He Whakatakinga

Develops students' knowledge and skills associated with planning for teaching and learning in tikanga ā iwi. Examines the history, nature and purpose of tikanga ā iwi education. Develops students' knowledge of curriculum requirements, social inquiry and resources to plan for students' diverse needs. Examines how learning is monitored and assessed. Examines the specific tikanga ā iwi discourse of te reo Māori.

Stage II

EDCURRM 201 **15 Points**

Pāngarau: He Puāwaitanga

Develops understanding of pāngarau and pedagogical content knowledge for teaching and learning. Designs quality programmes based on knowledge of dispositions, learning and teaching approaches, resources and curricula, and assessment activities. Uses an increasing repertoire of teaching strategies, approaches, learning activities, technologies and assessment for learning. Communicates using the specific pāngarau education discourse in te reo Māori.

Prerequisite: EDCURRM 108

Restriction: EDCURRM 204

EDCURRM 203 **15 Points**

Te Reo Matatini 2: Te Puanga

Further develops the knowledge, skills and attitudes associated with planning, teaching and assessing for learners' language proficiency and literacy learning across te Marautanga Māori. Examines a range of pedagogical practices and beliefs, including second language learning theory and pedagogy to improve outcomes for learners.

Prerequisite: EDCURRM 109

Restriction: EDCURRM 202

EDCURRM 205 **15 Points**

Hangarau me te Pūtaiao - He Whakawhanaketanga

Develops knowledge in the planning, teaching and assessing of children's learning in the hangarau and pūtaiao curricula as well as knowledge of relevant progressions and support guidelines. Examines how teachers design quality learning environments for positive engagement and effective learning in hangarau and pūtaiao for a diverse range of learners.

Prerequisite: EDCURRM 113

Restriction: EDCURRM 105, 107

EDCURRM 207 **15 Points**

Hangarau - He Whakatakinga

Demonstrates knowledge of the relevance of Hangarau for students, community, and society. Develops understanding of Hangarau as a discipline. Demonstrates and develops knowledge of the Hangarau learning areas, planning, teaching and assessment, other relevant progressions, and support materials. Examines how teachers design

quality learning environments for positive engagement and effective learning in Hangarau for a diverse range of learners.

Restriction: EDCURRM 205

EDCURRM 220 **15 Points**
Special Topic

Stage III

EDCURRM 320 **15 Points**
Special Topic

EDCURRM 321 **15 Points**
Special Topic

Education Curriculum Pasifika

Stage I

EDCURRPK 111 **15 Points**
Ng ue'aki e Tekinolosia

Develops knowledge and understanding of components of technological literacy as it relates to young children, including Pasifika children. Develops understanding of appropriate pedagogy to enhance learning in technology in Pasifika and general ECE settings. What is technological literacy? How can technological literacy be developed through drawing upon Pasifika languages and cultures? What environments encourage children's exploration of technological experiences?

Restriction: EDCURRIC 111

EDCURRPK 115 **15 Points**
Apīi taieni I nga mataiti mua

Develops an appreciation of the nature of science, which supports conceptual understandings and quality teaching and learning approaches to science education in Pasifika ECE settings. How do teachers foster quality learning environments for infants, toddlers and young children based on the ECE curriculum so that learning in science can occur for diverse learners? How can science literacy be developed through Pasifika languages and cultures?

Restriction: EDCURRIC 115

EDCURRPK 116 **15 Points**
LafilafiagaTau tufuga Pasifika

Explores Pasifika perspectives on the four distinct disciplines of dance, drama, music and visual arts within the Arts. Students are encouraged to express ideas, feelings, beliefs and values that foster understanding of others. Theoretical and philosophical perspectives will be examined within the context of Pasifika Arts Education. How are Pasifika Arts interpreted within Early Childhood Education settings?

Restriction: EDCURRIC 116

EDCURRPK 120 **15 Points**
Na i vakarau ni vuli ka ena Pasifika

Examines Te Whāriki Early Childhood Curriculum with specific reference to Pasifika learners. Pasifika pedagogies will be explored in relation to the principles, strands and goals of the curriculum. What do teachers need to know about the philosophical, theoretical and socio-cultural basis of Te Whāriki? How do Pasifika pedagogies, including teaching through language and culture, relate to the principles, strands and goals of Te Whāriki? Explores social sciences in Te Whāriki and other examples in Pasifika and general ECE settings.

EDCURRPK 121 **15 Points**
Moui olaola

An introduction to human development from conception to old age and death within a holistic framework. Pasifika and other theoretical perspectives will be discussed in relation to understanding child development in the early years. Students will explore social theories to inform and develop effective teaching and learning strategies inclusive of Pasifika. How can Pasifika languages and cultures boost holistic development in Pasifika and general ECE?

Stage II

EDCURRPK 210 **15 Points**
Aoaoga o fanau laiti

Critically examines influences of historical and contemporary theory and practice for infants/toddlers in Pasifika and general ECE settings. Develops pedagogies responsive to early learners. How do such pedagogies address a responsive infant/toddler curriculum with Pasifika learners? How do relationship-based pedagogies address issues for teachers of infants and toddlers? What is the tension between education and care from Pasifika cultural perspectives?

Restriction: EDCURRIC 210

EDCURRPK 211 **15 Points**
Gagana ma lana matafaioi

Develops knowledge, skills, dispositions associated with assessing, planning and teaching for children's learning in Pasifika languages and critical literacies. Addresses such questions as: What do teachers need to know to teach learners in Pasifika ECE settings, and with fanau and communities? What educational resources and strategies might be used so all children become competent, confident communicators in Aotearoa New Zealand?

Restriction: EDCURRIC 211

EDCURRPK 212 **15 Points**
Fika 'i he Fanau Iiki

Develops knowledge and understanding of early mathematical concepts and their relationship with holistic learning environments in Pasifika ECE and general settings. What are early mathematical concepts as evident in Pasifika cultures? What is effective planning for mathematical possibilities drawing upon Pasifika languages and cultures within a play based ECE programme? What constitutes a holistic approach to mathematics learning?

Restriction: EDCURRIC 212

Stage III

EDCURRPK 313 **15 Points**
Tuvatuva vakarautaki ena vuli me qito

Develops a critical understanding of play within a broader context of learning and teaching in Pasifika and general ECE settings. How do Pasifika and other theoretical and philosophical perspectives on play impact on personal pedagogy? What are the pedagogical implications of play interfacing between individual freedom, fanau and community? What is the significance of play for adult creativity, communication and citizenship?

EDCURRPK 322 **15 Points**
Moui fakaagaga i loto he tau Aoga Fanau Ikiiki he Pasifika

Explores and critically analyses the notion of spiritual development, spirituality and culture within the context of Pasifika ECE education. Students will explore how to utilise cultural and spiritual knowledge to enhance Pasifika

children's learning. What are the implications of spirituality, cultural knowledge and practices for pedagogy and curriculum that enhance holistic development?

Restriction: EDCURRPK 122

EDCURRPK 353 15 Points

Su'esu'ega loloto i le faaagaina o gagana

Develops a critical understanding of the place of bilingualism/biliteracy in relation to policy and practice of the ECE curriculum Te Whāriki, the New Zealand Curriculum and Pasifika languages. Learning and teaching in the medium of Pasifika languages involves knowledge and skills from the bilingual professional education field. Students are expected to critique the best of local and international bilingual and immersion theory and practice.

Restriction: EDCURRPK 253

Education Curriculum Secondary Diploma

Diploma Courses

EDCURSEC 601 15 Points

Teaching Years 7-10 Mathematics and Statistics

Develops knowledge and understanding of mathematics and statistics learning and teaching in the middle school by considering the questions: What is mathematical and statistical thinking? What are the components of, and key concepts and learning progressions in, the national curriculum? What is quality learning in mathematics and statistics? What constitutes effective teaching practices in mathematics and statistics?

Restriction: EDCURSEC 605, 606, EDCURR 607, 631

EDCURSEC 602 15 Points

Teaching Years 9-11 Mathematics and Statistics

Develops the knowledge, skills and understanding for designing quality learning experiences in mathematics and statistics for diverse learners by considering the questions related to secondary school mathematics and statistics education: What are the key concepts and learning progressions in the national curriculum? What theoretical models best inform as to the growth of understanding? What constitutes effective teaching and assessment practices?

Prerequisite: EDCURSEC 601

Restriction: EDCURSEC 605, 606, EDCURR 607, 631

EDCURSEC 603 15 Points

EDCURSEC 603A 7.5 Points

EDCURSEC 603B 7.5 Points

Curriculum Statistics Education 2

Develops the knowledge, skills and understanding for designing quality learning experiences and internal national assessment tasks in statistics for diverse learners by considering the questions related to senior secondary school statistics education: What are the concepts and learning progressions in the national curriculum? What statistical ideas pose greatest difficulty for learners? What constitutes effective teaching and assessment practices?

Corequisite: EDCURSEC 601 or 687

Restriction: EDCURR 607, 631, EDCURSEC 605, 606

To complete this course students must enrol in EDCURSEC 603 A and B, or EDCURSEC 603

EDCURSEC 604 15 Points

EDCURSEC 604A 7.5 Points

EDCURSEC 604B 7.5 Points

Senior Mathematics Education

Develops the knowledge, skills and understanding for

designing quality learning experiences and internal national assessment tasks in mathematics for diverse learners by considering the questions related to senior secondary school mathematics education: What are the concepts and learning progressions in the national curriculum? What mathematical ideas pose greatest difficulty for learners? What constitutes effective teaching and assessment practices?

Corequisite: EDCURSEC 602 or 687

Restriction: EDCURR 607, 631, EDCURSEC 605, 606

To complete this course students must enrol in EDCURSEC 604 A and B, or EDCURSEC 604

EDCURSEC 607 15 Points

Physical Education Practice

Develops the practical pedagogical content knowledge, skills and attitudes associated with planning, teaching and assessing physical education in learning contexts related to teaching Years 9-11. Addresses questions such as: How do teachers plan lessons in, through and about movement? What do teachers need to know to teach in movement-based learning contexts effectively?

EDCURSEC 608 15 Points

EDCURSEC 608A 7.5 Points

EDCURSEC 608B 7.5 Points

Physical Education Curriculum

Develops the curriculum knowledge associated with planning, teaching and assessing physical education in secondary schools. Addresses questions such as: What is physical education and why is it important? How are units and programmes planned using the curriculum and national assessment requirements? How do teachers accommodate assessment qualification requirements in their planning?

Corequisite: EDCURSEC 607 or 687

To complete this course students must enrol in EDCURSEC 608 A and B, or EDCURSEC 608

EDCURSEC 611 15 Points

Teaching Health Education 1

Integrates multidisciplinary-based knowledge and pedagogical content knowledge with developing understanding, skills, attitudes and values associated with teaching in health education across the secondary school. Addresses questions such as: Why is health education important? How are teachers informed in this subject? How is health education taught ethically and effectively for a diverse range of learners?

Restriction: EDCURR 648

EDCURSEC 612 15 Points

EDCURSEC 612A 7.5 Points

EDCURSEC 612B 7.5 Points

Teaching Health Education 2

Examines further the theories, concepts and research central to the teaching of health education. Addresses questions such as: What do teachers need to know to teach and assess learning in health education? What is authentic health education assessment and how do we determine and monitor success? How does knowledge of curriculum concepts determine learning at senior school levels?

Corequisite: EDCURSEC 611 or 687

Restriction: EDCURR 648

To complete this course students must enrol in EDCURSEC 612 A and B, or EDCURSEC 612

EDCURSEC 613 15 Points

Teaching and Learning Science 1

Develops the content knowledge, skills and understanding

consistent with relevant curriculum requirements to enable effective teaching and learning approaches in intermediate and secondary science education. Addresses questions such as: How do teachers design quality learning environments that support positive engagement and effective learning for a diverse range of learners? How is achievement determined and monitored?

Prerequisite: Departmental approval

Restriction: EDCURSEC 619, 620

EDCURSEC 614 15 Points

EDCURSEC 614A 7.5 Points

EDCURSEC 614B 7.5 Points

Teaching and Learning Science 2

Integrates research, theory and practical experience in examining secondary school science learning contexts. Addresses questions such as: Why is Science important? What is scientific literacy? What pedagogical content knowledge is needed to teach science effectively? How is achievement determined and monitored?

Corequisite: EDCURSEC 613 or 687

Restriction: EDCURSEC 619, 620, EDCURR 608, 633

To complete this course students must enrol in EDCURSEC 614 A and B, or EDCURSEC 614

EDCURSEC 615 15 Points

Teaching and Learning Science 3

Develops the content knowledge, skills and understanding consistent with relevant curriculum requirements to enable effective teaching and learning approaches in senior secondary science education. Addresses questions such as: How do teachers design quality learning environments that support positive engagement and effective learning for a diverse range of learners? How is achievement determined and monitored?

Restriction: EDCURSEC 619, 620, EDCURR 608, 633

EDCURSEC 616A 7.5 Points

EDCURSEC 616B 7.5 Points

Teaching Chemistry Education

Develops the content knowledge, skills and understanding consistent with relevant curriculum requirements to enable effective teaching and learning approaches in senior chemistry education. Addresses questions such as: How do teachers design quality learning environments that support positive engagement and effective learning for senior secondary students? How is achievement determined and monitored?

Corequisite: EDCURSEC 613, 615 or 619, 620 or 687

Restriction: EDCURR 638

To complete this course students must enrol in EDCURSEC 616 A and B

EDCURSEC 617A 7.5 Points

EDCURSEC 617B 7.5 Points

Teaching Biology Education

Develops the content knowledge, skills and understanding consistent with relevant curriculum requirements to enable effective teaching and learning approaches in senior biology education. Addresses questions such as: How do teachers design quality learning environments that support positive engagement and effective learning for senior secondary students? How is achievement determined and monitored?

Corequisite: EDCURSEC 613, 615 or 619, 620 or 687

Restriction: EDCURR 636

To complete this course students must enrol in EDCURSEC 617 A and B

EDCURSEC 618A 7.5 Points

EDCURSEC 618B 7.5 Points

Teaching Physics Education

Develops the content knowledge, skills and understanding consistent with relevant curriculum requirements to enable effective teaching and learning approaches in senior physics education. Addresses questions such as: How do teachers design quality learning environments that support positive engagement and effective learning for senior secondary students? How is achievement determined and monitored?

Corequisite: EDCURSEC 613, 615 or 619, 620 or 687

Restriction: EDCURR 637

To complete this course students must enrol in EDCURSEC 618 A and B

EDCURSEC 624 15 Points

EDCURSEC 624A 7.5 Points

EDCURSEC 624B 7.5 Points

Social Studies Education 1

Develops the knowledge and skills associated with planning, teaching, learning and assessing Social Studies. Addresses questions such as: What do teachers need to know and understand about the purpose and nature of Social Studies education? What methodologies, management strategies and resources can be used to maximise student motivation and address the diverse needs of students?

Restriction: EDCURR 641

To complete this course students must enrol in EDCURSEC 624 A and B, or EDCURSEC 624

EDCURSEC 625 15 Points

Social Studies Education 2

Develops the knowledge and skills associated with planning and teaching Social Studies and includes methodologies for addressing national assessment for Years 11-13. Addresses questions such as: How do teachers plan and implement learning experiences, units and programmes that meet national requirements? How can students be challenged to debate and consider social issues?

Prerequisite: EDCURSEC 624

Restriction: EDCURR 619, 681

EDCURSEC 626 15 Points

EDCURSEC 626A 7.5 Points

EDCURSEC 626B 7.5 Points

Geography for Teaching 1

Integrates expertise in the discipline of geography with expertise in planning, teaching and assessing the subject in schools. Develops the conceptual knowledge and skills that are central to the geography curriculum and addresses questions such as: Why is geography important? What do teachers need to know to teach and assess geography effectively? What resources and strategies maximise motivation and learning?

Corequisite: EDCURSEC 624 or 687

Restriction: EDCURR 604, 628, EDCURSEC 628, 629

To complete this course students must enrol in EDCURSEC 626 A and B, or EDCURSEC 626

EDCURSEC 627 15 Points

EDCURSEC 627A 7.5 Points

EDCURSEC 627B 7.5 Points

Geography for Teaching 2

Enhances the integration of expertise in the discipline of geography with expertise in planning, teaching and assessing the subject in schools. Deepens understanding of the conceptual knowledge and skills that are central to the geography curriculum and addresses questions such as:

How do teachers determine and monitor success? How do teachers address common difficulties that students face?

Corequisite: EDCURSEC 626 or 687

Restriction: EDCURR 604, 628, EDCURSEC 628, 629

To complete this course students must enrol in EDCURSEC 627 A and B, or EDCURSEC 627

EDCURSEC 630 15 Points

EDCURSEC 630A 7.5 Points

EDCURSEC 630B 7.5 Points

History for Teaching 1

Integrates disciplinary expertise in relation to History content and historiography while developing the knowledge and skills associated with planning, teaching and assessing the subject. Addresses questions such as: Why is History an important subject? How can History be taught and assessed effectively? What resources and strategies can be used to maximise student motivation in learning History?

Corequisite: EDCURSEC 624 or 687

Restriction: EDCURR 605, 629, EDCURR 632, 633

To complete this course students must enrol in EDCURSEC 630 A and B, or EDCURSEC 630

EDCURSEC 631 15 Points

EDCURSEC 631A 7.5 Points

EDCURSEC 631B 7.5 Points

History for Teaching 2

Enhances disciplinary expertise in relation to developing an appropriate knowledge of content and historiography for Years 11 to 13 History, while further developing the knowledge and skills associated with planning, teaching and assessing the subject. Addresses questions such as: How can teachers challenge students to explore historical issues, understand and develop the methodologies employed by historians?

Corequisite: EDCURSEC 630 or 687

Restriction: EDCURR 605, 629, EDCURSEC 632, 633

To complete this course students must enrol in EDCURSEC 631 A and B, or EDCURSEC 631

EDCURSEC 634 15 Points

EDCURSEC 634A 7.5 Points

EDCURSEC 634B 7.5 Points

Economics Education

Develops knowledge and skills associated with planning for teaching and learning in Economics. Addresses questions such as: What are important principles, concepts and skills associated with Economics education? What do teachers need to know and understand about teaching methodologies, management strategies and resources to successfully plan for the diverse needs of students?

Restriction: EDCURR 611, 635

To complete this course students must enrol in EDCURSEC 634 A and B, or EDCURSEC 634

EDCURSEC 636A 7.5 Points

EDCURSEC 636B 7.5 Points

Accounting Education

Develops knowledge and skills associated with planning for teaching and learning in Accounting. Addresses questions such as: What are important principles, concepts and skills associated with Accounting education? What do teachers need to know and understand about teaching methodologies, management strategies and resources to successfully plan for the diverse needs of students?

Restriction: EDCURR 602, 624

To complete this course students must enrol in EDCURSEC 636 A and B

EDCURSEC 638A 7.5 Points

EDCURSEC 638B 7.5 Points

Business Studies 1

Integrates disciplinary based content knowledge, theory and research with developing knowledge, skills and attitudes associated with planning and assessment in Business Studies. Addresses questions such as: Why is this subject important? What do teachers need to know to teach this subject effectively? What motivates students in the subject and what resources and strategies maximise motivation?

To complete this course students must enrol in EDCURSEC 638 A and B

EDCURSEC 639 15 Points

The Learning Area of Technology

Develops the knowledge, understanding and issues associated with Technology education in the New Zealand Curriculum. Explores current and seminal theory to address questions such as: What is technology? Why is this Learning Area important? What are the important principles and concepts underpinning Technology in the New Zealand Curriculum?

EDCURSEC 641 15 Points

EDCURSEC 641A 7.5 Points

EDCURSEC 641B 7.5 Points

Teaching Specialist Technological Practice

Develops pedagogical content knowledge; skills and attitudes associated with specialist domains of practice in technology. Addresses questions such as: What is technological practice? How does industry practice relate to classroom practice? What strategies are effective for teaching technology to diverse learners? How does specialist knowledge contribute to classroom practice? What teaching methodologies and resources maximise student success?

Corequisite: EDCURSEC 639 or 687

To complete this course students must enrol in EDCURSEC 641 A and B, or EDCURSEC 641

EDCURSEC 642 15 Points

Implementing Technology Education

Develops pedagogical content knowledge, skills and methodology for designing quality learning experiences and senior assessment tasks in Technology education. Addresses: How are units of work and programmes planned using the curriculum and national assessment requirements? What teaching methodologies, management strategies and resources maximise success for diverse learners? How do teachers determine and monitor success?

Corequisite: EDCURSEC 639 or 687

EDCURSEC 643 15 Points

EDCURSEC 643A 7.5 Points

EDCURSEC 643B 7.5 Points

Educating for Visual Communication

Develops pedagogical content knowledge, skills and attitudes for quality visual communication across the Curriculum. Addresses questions such as: What is the value of learning to communicate visually? What are the important principles, concepts and skills in Visual Communication? How can visual communication contribute to children's learning in a range of curriculum areas? How do teachers encourage effective visual communication?

To complete this course students must enrol in EDCURSEC 643 A and B, or EDCURSEC 643

EDCURSEC 644A	7.5 Points	EDCURSEC 649	15 Points
EDCURSEC 644B	7.5 Points	Visual Arts Education 2	
Design and Visual Communication		Develops pedagogical content knowledge, skills, and attitudes for planning, teaching and assessing visual arts education. Addresses questions such as: What are the important principles, concepts and skills for teaching the visual arts discipline in the arts curriculum? How do visual arts programmes promote development of practical knowledge, exploration and expression of ideas, and understanding of the contexts of art?	
Develops pedagogical content knowledge, methodologies and skills underpinned by theory to design quality learning experiences and assessment tasks in Design and Visual Communication. Addresses: What are the important design principles, historical influences and ways of thinking and communicating in Design and Visual Communication? How are units and programmes planned using the curriculum and national assessment requirements?		<i>Corequisite: EDCURSEC 648</i>	
<i>To complete this course students must enrol in EDCURSEC 644 A and B</i>		EDCURSEC 650	15 Points
EDCURSEC 645	15 Points	EDCURSEC 650A	7.5 Points
Music Education 1		EDCURSEC 650B	7.5 Points
Integrates disciplinary-based content knowledge and scholarship with developing knowledge, skills and attitudes associated with planning, teaching and assessing Music. Addresses questions such as: What musical experiences are important to adolescent cognitive and affective development? What do teachers need to know to teach Music effectively? What strategies and resources maximise motivation and learning in Music?		Visual Arts Education 3	
<i>Restriction: EDCURR 646, 661, 662</i>		Develops pedagogical content knowledge, skills, and attitudes for planning, teaching and assessing visual arts education in the senior school. Addresses questions such as: What are the important principles, concepts and skills for teaching the specialist disciplines in the visual arts curriculum? How are programmes for senior students planned, resourced, managed and implemented to meet national curriculum and assessment requirements?	
EDCURSEC 646	15 Points	<i>Corequisite: EDCURSEC 648, 649 or 687</i>	
Music Education 2		<i>To complete this course students must enrol in EDCURSEC 650 A and B, or EDCURSEC 650</i>	
Enhances the integration of disciplinary-based content knowledge and scholarship with the knowledge, skills and attitudes required to teach and assess Music in the New Zealand curriculum. Addresses questions such as: What principles, strategies and understandings are necessary to plan, teach and assess music effectively in senior secondary environments? How can these be scaffolded and monitored?		EDCURSEC 651	15 Points
<i>Corequisite: EDCURSEC 645</i>		Teaching Drama 1	
<i>Restriction: EDCURR 646, 661, 662</i>		Develops pedagogical and content knowledge and skills for planning, teaching and assessing drama. Addresses questions such as: What important principles, skills, teaching methodologies and strategies support teaching drama in the secondary school? How can drama education address needs of diverse students? How do drama programmes extend practical knowledge, developing ideas, performance and interpretation and understanding of drama contexts?	
EDCURSEC 647	15 Points	<i>Restriction: EDCURSEC 661</i>	
EDCURSEC 647A	7.5 Points	EDCURSEC 652	15 Points
EDCURSEC 647B	7.5 Points	EDCURSEC 652A	7.5 Points
Music Education Research		EDCURSEC 652B	7.5 Points
Provides an opportunity for students to engage in research into an area of the Music curriculum. Addresses the question: What teaching methodologies, management strategies and resources best inform and maximise teacher and student success in secondary music education? Critically evaluates music education in contemporary societies in order to reach an informed understanding of how music education in New Zealand secondary schools might be structured and framed.		Teaching Drama 2	
<i>Corequisite: EDCURSEC 646 or 687</i>		Develops pedagogical and content knowledge, skills and attitudes for planning teaching and assessing drama education in the senior school. Addresses questions such as: What are the important principles, concepts and teaching skills that support specialist drama programmes in the senior secondary school? How are programmes for senior students planned, resourced, and implemented for national curriculum and assessment requirements?	
<i>Restriction: EDCURR 646, 661, 662</i>		<i>Corequisite: EDCURSEC 651 or 687</i>	
<i>To complete this course students must enrol in EDCURSEC 647 A and B, or EDCURSEC 647</i>		<i>Restriction: EDCURR 679, EDCURSEC 661</i>	
EDCURSEC 648	15 Points	<i>To complete this course students must enrol in EDCURSEC 652 A and B, or EDCURSEC 652</i>	
Visual Arts Education 1		EDCURSEC 653	15 Points
Develops pedagogical content knowledge, skills, and attitudes for planning, teaching and assessing visual arts education. Addresses questions such as: What is the relationship between art, culture, New Zealand society and the curriculum? How can visual arts education address the needs of ethnically and culturally diverse students? What teaching methodologies, management strategies and resources motivate students and maximise achievement?		EDCURSEC 653A	7.5 Points
<i>Corequisite: EDCURSEC 649</i>		EDCURSEC 653B	7.5 Points
		Teaching Dance Education 1	
		Develops pedagogical and content knowledge and skills for planning, teaching and assessing dance. Addresses questions such as: What important principles, skills, teaching methodologies and strategies support teaching dance in the arts curriculum? How can dance education address the needs of diverse students? How do dance	

programmes extend practical knowledge, dance making, performance and interpretation, and understanding of dance contexts?

Restriction: EDCURR 679

To complete this course students must enrol in EDCURSEC 653 A and B, or EDCURSEC 653

EDCURSEC 654	15 Points
EDCURSEC 654A	7.5 Points
EDCURSEC 654B	7.5 Points

Teaching Dance Education 2

Develops pedagogical and content knowledge, skills and attitudes for planning teaching and assessing dance education in the senior school. Addresses questions such as: What are the important principles, concepts and teaching skills that support specialist dance programmes in the senior secondary school? How are programmes for senior students planned, resourced, and implemented for national curriculum and assessment requirements?

Corequisite: EDCURSEC 653 or 687

Restriction: EDCURR 679

To complete this course students must enrol in EDCURSEC 654 A and B, or EDCURSEC 654

EDCURSEC 655A	7.5 Points
EDCURSEC 655B	7.5 Points

Art History Education

Develops pedagogical content knowledge, skills, and attitudes for planning, teaching and assessing art history education. Addresses questions such as: What are the important principles, concepts and skills for teaching art history? How can studies in language and visual literacy be maximised for student achievement? How are programmes planned, resourced, managed and implemented to meet national curriculum and assessment requirements?

To complete this course students must enrol in EDCURSEC 655 A and B

EDCURSEC 656	15 Points
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Teaching and Learning English 1

Develops the pedagogical content knowledge, skills and attitudes associated with planning, teaching and assessing English. Addresses questions such as: Why is this subject important? What are the important principles, concepts and skills in this subject? How can the diverse needs of students be addressed? How do teachers plan lessons? What teaching methodologies, management strategies and resources maximise success?

Corequisite: EDCURSEC 657

Restriction: EDCURSEC 659, 660, EDCURR 603, 626

EDCURSEC 657	15 Points
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Teaching and Learning English 2

Develops the pedagogical content knowledge, skills and attitudes associated with planning, teaching and assessing English. Addresses questions such as: How are units and programmes planned using the curriculum and national assessment requirements? How is success determined for the beginning stages of national qualifications?

Corequisite: EDCURSEC 656

Restriction: EDCURSEC 659, 660, EDCURR 603, 626

EDCURSEC 658	15 Points
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Teaching and Learning English 3

Develops the pedagogical content knowledge, skills and attitudes associated with planning, teaching and assessing English. Addresses questions such as: What are the important principles, concepts and skills for teaching the senior curriculum? How are senior curriculum units

and programmes planned using national qualification assessment requirements? What teaching methodologies, management strategies and resources maximise student success? How is student success determined?

Prerequisite: EDCURSEC 656, 657 or 687

Restriction: EDCURSEC 659, 660, EDCURR 603, 626

EDCURSEC 663	15 Points
EDCURSEC 663A	7.5 Points
EDCURSEC 663B	7.5 Points

Teaching Media Studies 1

Integrates disciplinary-based content knowledge and scholarship with developing the knowledge, skills and understandings associated with planning, teaching and assessing diverse learners in Media Studies at Years 12 and 13. Addresses questions such as: What do teachers need to know to teach and assess for national qualifications? What strategies and resources maximise motivation and learning in Media Studies?

Restriction: EDCURR 632, 682, EDCURSEC 662

To complete this course students must enrol in EDCURSEC 663 A and B, or EDCURSEC 663

EDCURSEC 664	15 Points
EDCURSEC 664A	7.5 Points
EDCURSEC 664B	7.5 Points

Teaching Media Studies 2

Enhances the integration of disciplinary-based content knowledge and scholarship with the knowledge, skills and understandings associated with planning, teaching and assessing diverse learners in Media Studies. Addresses questions such as: How do teachers structure programmes for students Years 9-13 in Media Studies? What knowledge, skills and understandings are central to this subject? How do teachers determine and monitor success?

Corequisite: EDCURSEC 663 or 687

Restriction: EDCURSEC 662, EDCURR 632, 682

To complete this course students must enrol in EDCURSEC 664 A and B, or EDCURSEC 664

EDCURSEC 665	15 Points
EDCURSEC 665A	7.5 Points
EDCURSEC 665B	7.5 Points

Teaching ESSOL 1

Develops the pedagogical content knowledge, skills and attitudes associated with planning, teaching and assessing ESSOL. Addresses questions such as: Why is this subject important? What are the important principles, concepts and skills in this subject? How can the diverse needs of students be addressed? How do teachers plan lessons? What teaching methodologies, management strategies and resources maximise success?

Corequisite: EDCURSEC 687

Restriction: EDCURR 627

To complete this course students must enrol in EDCURSEC 665 A and B, or EDCURSEC 665

EDCURSEC 666	15 Points
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Teaching ESSOL 2

Develops the pedagogical content knowledge, skills and attitudes associated with planning, teaching and assessing ESSOL. Addresses questions such as: How are units and programmes planned using the curriculum and national assessment requirements? How is success determined for the beginning stages of high stakes assessment?

Corequisite: EDCURSEC 665 or 687

Restriction: EDCURR 627

EDCURSEC 667A 15 Points**EDCURSEC 667B** 15 Points**Teaching Languages**

Addresses the methodologies for teaching languages by developing the knowledge, skills and attitudes associated with planning, teaching and assessing Languages. Addresses questions such as: Why is language learning important? What do teachers need to know to teach languages effectively? What strategies and resources maximise student motivation and language acquisition when learning a language?

Restriction: EDCURR 665, 678, 680

To complete this course students must enrol in EDCURSEC 667 A and B

EDCURSEC 668A 7.5 Points**EDCURSEC 668B** 7.5 Points**Teaching Chinese**

Integrates content knowledge and scholarship with the knowledge, skills and attitudes associated with planning, teaching and assessing Chinese. Addresses questions such as: Why is it important to learn Chinese? What do teachers need to know to teach Chinese effectively? What strategies and resources maximise motivation and language acquisition in learning Chinese?

Corequisite: EDCURSEC 667 or 687

Restriction: EDCURR 601, 623, 649, 663

To complete this course students must enrol in EDCURSEC 668 A and B

EDCURSEC 669A 7.5 Points**EDCURSEC 669B** 7.5 Points**Teaching French**

Integrates content knowledge and scholarship with the knowledge, skills and attitudes associated with planning, teaching and assessing French. Addresses questions such as: Why is it important to learn French? What do teachers need to know to teach French effectively? What strategies and resources maximise motivation and language acquisition in learning French?

Corequisite: EDCURSEC 667 or 687

Restriction: EDCURR 650, 664

To complete this course students must enrol in EDCURSEC 669 A and B

EDCURSEC 670A 7.5 Points**EDCURSEC 670B** 7.5 Points**Teaching German**

Integrates content knowledge and scholarship with the knowledge, skills and attitudes associated with planning, teaching and assessing German. Addresses questions such as: Why is it important to learn German? What do teachers need to know to teach German effectively? What strategies and resources maximise motivation and language acquisition in learning German?

Corequisite: EDCURSEC 667 or 687

Restriction: EDCURR 601, 623, 680

To complete this course students must enrol in EDCURSEC 670 A and B

EDCURSEC 671A 7.5 Points**EDCURSEC 671B** 7.5 Points**Teaching Japanese**

Integrates content knowledge and scholarship with the knowledge, skills and attitudes associated with planning, teaching and assessing Japanese. Addresses questions such as: Why is it important to learn Japanese? What do teachers need to know to teach Japanese effectively? What

strategies and resources maximise motivation and language acquisition in learning Japanese?

Corequisite: EDCURSEC 667 or 687

Restriction: EDCURR 612, 639

To complete this course students must enrol in EDCURSEC 671 A and B

EDCURSEC 674A 7.5 Points**EDCURSEC 674B** 7.5 Points**Teaching Samoan**

Integrates content knowledge and scholarship with the knowledge, skills and attitudes associated with planning, teaching and assessing Samoan. Addresses questions such as: Why is it important to learn Samoan? What do teachers need to know to teach Samoan effectively? What strategies and resources maximise motivation and language acquisition in learning Samoan?

Corequisite: EDCURSEC 667 or 687

Restriction: EDCURR 647, 665

To complete this course students must enrol in EDCURSEC 674 A and B

EDCURSEC 675A 7.5 Points**EDCURSEC 675B** 7.5 Points**Teaching Spanish**

Integrates content knowledge and scholarship with the knowledge, skills and attitudes associated with planning, teaching and assessing Spanish. Addresses questions such as: Why is it important to learn Spanish? What do teachers need to know to teach Spanish effectively? What strategies and resources maximise motivation and language acquisition in learning Spanish?

Corequisite: EDCURSEC 667 or 687

Restriction: EDCURR 613, 640

To complete this course students must enrol in EDCURSEC 675 A and B

EDCURSEC 676 15 Points**Teaching Religious Education**

Develops the pedagogical content and subject matter knowledge; skills and attitudes associated with planning, teaching and assessing Religious Education in Catholic/Christian schools. Addresses questions such as: Why is this subject important? What do teachers need to know to teach RE effectively? How can diverse needs of students be addressed? What teaching methodologies, management strategies and resources maximise success?

Restriction: EDPROFST 760

EDCURSEC 677A 7.5 Points**EDCURSEC 677B** 7.5 Points**Teaching Classical Studies**

Integrates disciplinary-based content knowledge and scholarship with the knowledge, skills and attitudes associated with planning, teaching and assessing Classical Studies. Addresses questions such as: Why is it important to study Classical Studies? What do teachers need to know to teach and assess for senior qualifications? What strategies and resources maximise motivation and learning in Classical Studies?

Restriction: EDCURR 620, 622

To complete this course students must enrol in EDCURSEC 677 A and B

EDCURSEC 678 15 Points**EDCURSEC 678A** 7.5 Points**EDCURSEC 678B** 7.5 Points**Te Whakapuakitanga**

Integrates content knowledge with knowledge, skills and

attitudes associated with planning, teaching and assessing te reo Māori at Years 7-10. Addresses such questions as: Why is it important to learn te reo Māori? What do teachers need to know to teach te reo Māori effectively? What strategies and resources maximise motivation and language acquisition in learning te reo Māori?

Restriction: EDCURR 606, 630, EDCURRM 320

To complete this course students must enrol in EDCURSEC 678 A and B, or EDCURSEC 678

EDCURSEC 679 15 Points

EDCURSEC 679A 7.5 Points

EDCURSEC 679B 7.5 Points

Te Whakawhanaketanga

Develops the pedagogical content knowledge, skills and attitudes associated with planning, teaching and assessing te reo Māori in Years 11-13. Addresses such questions as: What key factors contribute to the teaching of senior students? How are curriculum units and programmes planned in order to meet high stakes assessment requirements? How do teachers formatively assess student learning?

Corequisite: EDCURSEC 678 or 687

Restriction: EDCURR 606, 630

To complete this course students must enrol in EDCURSEC 679 A and B, or EDCURSEC 679

EDCURSEC 681 10 Points

Special Study

Students undertake a supervised study into an aspect of the New Zealand curriculum, or relevant to education in New Zealand or the wider context. Key questions are formulated and specified outcomes addressed.

EDCURSEC 684 15 Points

EDCURSEC 684A 7.5 Points

EDCURSEC 684B 7.5 Points

Junior Commerce Education

Develops the content knowledge and understanding required to teach a selected subject and the pedagogical knowledge and skills associated with planning, teaching and assessing the subject, consistent with curriculum requirements. Addresses questions such as: What do teachers need to know to teach this subject effectively? What resources and strategies maximise the motivation and learning of students in this subject?

To complete this course students must enrol in EDCURSEC 684 A and B, or EDCURSEC 684

EDCURSEC 687A 15 Points

EDCURSEC 687B 15 Points

Studies in Curriculum and Pedagogy

Develops the content knowledge and understanding required to teach a selected subject and the pedagogical knowledge and skills associated with planning, teaching and assessing the subject, consistent with curriculum requirements. Addresses questions such as: What do teachers need to know to teach this subject effectively? What resources and strategies maximise the motivation and learning of students in this subject?

To complete this course students must enrol in EDCURSEC 687 A and B

EDCURSEC 688 30 Points

Special Topic

EDCURSEC 689 15 Points

EDCURSEC 689A 7.5 Points

EDCURSEC 689B 7.5 Points

Environmental Education

Develops the content knowledge, skills and understanding consistent with the environmental education guidelines to enable effective teaching and learning approaches about, for and within the environment. Addresses questions such as: How do teachers design quality learning experiences for a diverse range of learners? How can social sciences, science and technology education enhance the potential of this educational focus?

To complete this course students must enrol in EDCURSEC 689 A and B, or EDCURSEC 689

EDCURSEC 690 15 Points

Multi-disciplinary Approaches

Develops pedagogical knowledge, skills and attitudes associated with teaching in multi-disciplinary contexts incorporating information and communication technologies. Addresses questions such as: What are the important principles, concepts and skills associated with multi-disciplinary teaching? How do teachers plan for cross-curricular projects? How can multi-disciplinary teams operate effectively? How can the use of ICT contribute to effective learning?

Restriction: EDCURR 625

EDCURSEC 691 15 Points

EDCURSEC 691A 7.5 Points

EDCURSEC 691B 7.5 Points

Teaching Subject Specialism

Develops the knowledge and skills required to teach a specific secondary school subject. This includes adapting content knowledge for teaching and developing subject specific pedagogical skills. The course addresses questions such as: What do teachers need to know to teach this subject effectively? What resources and strategies maximise the motivation and learning of diverse learners in this subject?

Restriction: EDCURSEC 601-690

To complete this course students must enrol in EDCURSEC 691 A and B, or EDCURSEC 691

EDCURSEC 692 45 Points

EDCURSEC 692A 30 Points

EDCURSEC 692B 15 Points

Design for Learning

Develops understanding of the national curriculum document and the structure and content of the Learning Area, including content, pedagogical knowledge and pedagogical content knowledge required for developing effective learning environments. Develops planning, teaching, and assessment design consistent with national curriculum requirements and with theory and research within the Learning Area. Reflects critically on how responsive pedagogies impact on learning.

Restriction: EDCURSEC 687

To complete this course students must enrol in EDCURSEC 692 A and B, or EDCURSEC 692

Postgraduate 700 Level Courses

EDCURSEC 700 30 Points

Responsive Pedagogies

Within a curriculum specialism this course examines responsive pedagogies and how these enhance engagement and achievement of priority learners. Through classroom

practice students reflect critically on how responsive pedagogies impact on learning.

EDCURSEC 701 30 Points

Enacting Core Practices

Examines evidenced-based core practices that have the potential to improve student achievement. Within the context of curriculum areas, students will enact these practices and inquire into the impact of their teaching on priority learners.

EDCURSEC 709 15 Points

Curriculum, Teaching, and Learning

Critically explores the New Zealand Curriculum and secondary school qualifications, and develops pedagogical content knowledge of planning, teaching and assessment in specialist learning areas. A short teaching practice enables students to apply knowledge to practice, and critically examine its relationship to relevant theory and research.

EDCURSEC 719A 15 Points

EDCURSEC 719B 15 Points

Learning Area Inquiry

Within the context of concurrent field-based teaching, critically reflects on effective teaching practices, and theory and research evidence that underpin them. Develops pedagogical content knowledge, and understanding and use of inquiry within a specialist learning area. Students demonstrate evidence of self-awareness, awareness of learning through use of individualised student data, problem solving skills, and an understanding of culturally responsive pedagogy.

To complete this course students must enrol in EDCURSEC 719 A and B

Education Curriculum Studies

Stage 1

EDCURRIC 101 15 Points

Arts Education Primary

Develops students' knowledge, skills and attitudes associated with planning, teaching and assessing children's learning in the arts: dance, drama, music and visual art. Addresses questions such as: Why are the arts important to children's learning? How do teachers design quality learning experiences that encourage individual responses from a diverse range of learners? How do we monitor and assess learning?

Restriction: EDCURR 106, 206, EDCURRM 101

EDCURRIC 102 15 Points

Language and Literacy Education Primary 1

Develops the knowledge, skills and attitudes associated with planning, teaching and assessing for students' learning in the English curriculum. Addresses questions such as: What do teachers need to know to teach the curriculum effectively? How do teachers' literacy competencies affect student learning? How do teachers balance the needs of the curriculum and the needs of learners?

Restriction: EDCURR 202, EDCURRM 102

EDCURRIC 103 15 Points

Health and Physical Education

Develops understandings of the theories, concepts and practices that support learning and teaching in health and physical education. Addresses questions such as: How do teachers implement quality learning experiences based on the health and physical education curriculum for effective

learning to occur for a diverse range of learners? How is learning monitored and assessed?

Restriction: EDCURR 108, EDCURRM 103

EDCURRIC 104 15 Points

Primary Mathematics and Statistics Education 1

Develops knowledge and understanding of the nature of mathematics and statistics. Considers questions related to primary school mathematics and statistics education such as: What is the purpose and role of mathematics and statistics in the New Zealand Curriculum Framework? What is meant by thinking mathematically and statistically? What are the components of, and key concepts in, the national curriculum?

Restriction: EDCURR 203, EDCURRM 104

EDCURRIC 105 15 Points

Science Education Primary

Develops an appreciation of the nature of science that supports conceptual understandings and quality teaching and learning approaches in science education. Addresses questions such as: How do teachers design quality learning experiences based on the science curriculum so that positive engagement and effective learning can occur for a diverse range of learners? How is learning monitored and assessed?

Restriction: EDCURR 204, EDCURRM 105

EDCURRIC 106 15 Points

Social Studies Education Primary

Develops students' knowledge and skills associated with planning for teaching and learning in Social Studies. Addresses questions such as: What do teachers need to know and understand about the history, nature and purpose of Social Studies education? How are curriculum requirements, teaching methodologies, management strategies and resources used to plan for students' diverse needs? How is learning monitored and assessed?

Restriction: EDCURR 107

EDCURRIC 107 15 Points

Technology Education Primary

Develops knowledge, skills and attitudes associated with planning, teaching and assessing for children's learning in Technology Education. Addresses questions such as: What do teachers need to know about the nature and purpose of Technology Education? How do teachers design quality learning experiences for a diverse range of learners? How is learning monitored and assessed?

Restriction: EDCURR 106, 209, EDCURRM 107

EDCURRIC 108 15 Points

Mathematics and Statistics Education 1

Explores what it means to be a learner of mathematics and statistics, with respect to relevant theory and curricula. Develops knowledge, understandings and skills that will enable students to identify, discuss and reflect on how diverse learners most effectively learn mathematics and statistics.

Restriction: EDCURRIC 104

EDCURRIC 109 15 Points

Languages and Literacies Education 1

Examines beliefs and pedagogical practices about languages and literacies.

Restriction: EDCURRIC 102

EDCURRIC 110 15 Points

Dance/Drama in the Early Years

Develops fundamental knowledge, skills and attitudes

associated with planning, teaching and assessing children's dance and drama learning in early childhood. Addresses questions such as: Why are dance and drama important to children's learning? How do teachers design quality learning experiences that encourage individual responses from a diverse range of learners? How do we assess children's learning?

EDCURRIC 111 **Experiencing Technology** **15 Points**

Develops knowledge and understanding of the components of technological literacy as it relates to young children. Develops understanding of appropriate pedagogical strategies to enhance children's learning in technology. Addresses questions such as: What is technological literacy? How can we develop technological literacy in young children? What environments encourage children's exploration of technological experiences?

EDCURRIC 112 **Hauora: Early Years Movement** **15 Points**

Develops knowledge and understanding of the place of movement in childhood development, growth and learning. Examines questions such as: What is the nature and purpose of physical activity in the early years? What learning and teaching strategies, teacher disposition and practices ensure quality experiences for learning of, through and about movement for diverse learners?

EDCURRIC 113 **Science and Technology Education 1** **15 Points**

Through inquiry, develop an appreciation of the role of science and technology in education and society. Apply pedagogical, curriculum and content knowledge to select appropriate approaches and resources for science and technology learning experiences to achieve valued outcomes for diverse akonga.

Restriction: EDCURRIC 105, 107

EDCURRIC 114 **Music in the Early Years** **15 Points**

Develops fundamental understanding of knowledge, skills, and attitudes required to assess, plan, and facilitate children's learning through listening, singing, moving, playing and creating with music. Addresses questions such as: What is the value of music in early childhood? How do teachers design quality-learning experiences that motivate and enhance children's learning through music?

EDCURRIC 115 **Science in the Early Years** **15 Points**

Develops an appreciation of the nature of science, which supports conceptual understandings and quality teaching and learning approaches to science education. Examines questions such as: How do teachers foster quality learning environments for infants, toddlers and young children based on the early childhood curriculum so that effective learning in science can occur for a diverse range of learners?

EDCURRIC 116 **Visual Arts in the Early Years** **15 Points**

Develops fundamental knowledge, skills and attitudes associated with planning, teaching and assessing children's visual arts learning in early childhood. Addresses questions such as: Why is visual arts important to children's learning? What are effective design features of quality learning experiences that encourage individual responses from a diverse range of learners? How do we assess for children's learning?

EDCURRIC 117 **Arts Education** **15 Points**

Inquire into the place of The Arts in education and develop capability and understanding through experiences in each of the four arts disciplines. Design for learning by applying pedagogical, curriculum, content and assessment knowledge to select approaches and resources for Arts learning experiences for valued outcomes for diverse akonga.

Restriction: EDCURRIC 101

EDCURRIC 118 **Early Childhood Curriculum** **15 Points**

Explores the notion of early childhood curriculum in early childhood education including the New Zealand curriculum. Introduces principles and theoretical perspectives of early childhood assessment aimed at empowering children to be competent and confident. Considers pedagogical implications of assessment for children's curriculum experiences within early learning environments.

EDCURRIC 119 **Health and Physical Education and Social Studies Education 1** **15 Points**

Explores the aims and purposes of Health and Physical Education and Social Studies Education. Pedagogies and practices that support learning and teaching in these areas are experienced and reflected on. Selection of content and development of appropriate planning decisions is practised

Restriction: EDCURRIC 103, 106

Stage II

EDCURRIC 201 **Mathematics and Statistics Education 2** **15 Points**

Develops knowledge, understandings and skills that are effective in the successful teaching of mathematics and statistics. Engage with planning, teaching and assessing mathematics and statistics in responsive ways designed to improve engagement and success for diverse learners of mathematics.

Prerequisite: EDCURRIC 108

Restriction: EDCURRIC 204

EDCURRIC 202 **Languages and Literacy Education Primary 2** **15 Points**

Deepens the knowledge, skills and attitudes associated with planning, teaching and assessing for individual students' learning in the English curriculum. Addresses questions such as: What are effective literacy practices for working with individual learners? How are wider concepts of literacy including bilingualism and biliteracy developed? How is learning monitored and assessed?

Prerequisite: EDCURRIC 102

Restriction: EDCURRIC 203, EDCURRIC 202

EDCURRIC 203 **Languages and Literacies in Education 2** **15 Points**

Applies learning focused pedagogical and curriculum content knowledge, using evidence to scaffold learning and to improve teaching.

Prerequisite: EDCURRIC 109

Restriction: EDCURRIC 202

EDCURRIC 204 **Primary Mathematics and Statistics Education 2** **15 Points**

Develops the knowledge, skills and understanding for designing quality learning experiences for diverse learners. Considers questions related to primary school mathematics and statistics education such as: What are the concepts

and learning progressions in the national curriculum? What theoretical models of teaching, learning and assessment best inform teachers about the growth of understanding? What constitutes effective teaching practice?

Prerequisite: EDCURRIC 104

Restriction: EDCURR 203, EDCURRM 204

EDCURRIC 205 15 Points

Science and Technology Education 2

Through inquiry, develop capability and understanding of the role of science and technology in education and society. Apply integration principles with pedagogical, content, assessment and curriculum knowledge to science and technology learning experiences resulting in valued outcomes for diverse ākonga.

Prerequisite: EDCURRIC 113

EDCURRIC 206 15 Points

Health and Physical Education and Social Studies Education 2

Critiques pedagogies and practices in Health and Physical Education and Social Studies in relation to their effectiveness for supporting diverse ākonga. Developing pedagogical, content, assessment and curriculum knowledge is utilised to design approaches for learning and teaching which promote valued outcomes for diverse ākonga.

Prerequisite: EDCURRIC 119

EDCURRIC 207 15 Points

Curriculum and Pedagogy

Critically examines theories, approaches and key curriculum influences. Examines the critical role of teacher knowledge, inquiry and reflection in implementing appropriate curriculum and assessment for infants, toddlers and young children. Critically explores the relationship between assessment, curriculum, pedagogy and learning, including Kaupapa Māori and Pasifika perspectives.

EDCURRIC 208 15 Points

Investigation and Exploration

Critically examines curriculum approaches that promote children's exploration and learning in science, technology, engineering and mathematics. Key concepts, processes and pedagogies relating to these disciplines are considered. Explores children's learning through play and holistic understandings of infant's, toddler's and young children's learning.

EDCURRIC 209 15 Points

Literacies, Languages, and Cultures

Critically explores responsive, equitable and inclusive pedagogies to support diverse ākonga in learning and developing languages and multi-modal literacies. Examines assessment, planning and teaching that take account of ākonga, whānau and communities. Issues related to literacies, languages and cultures in Aotearoa are critically examined. The construction and interpretation of children's texts are explored.

EDCURRIC 211 15 Points

Languages and Literacies

Develops knowledge, critical skills and dispositions associated with assessing, planning and teaching for children's learning in languages and literacies. Addresses questions such as: What do teachers need to know and be, to teach with diverse learners, family, whānau and communities? What resources and strategies maximise complexity and continuity such that all children identify

as competent and confident communicators in Aotearoa New Zealand?

Restriction: EDCURRIC 631

EDCURRIC 212 15 Points

Mathematics in the Early Years

Develops knowledge and understanding of early mathematical concepts and their relationship with holistic learning environments. Considers questions such as: What are early mathematical concepts? What is effective planning for mathematical possibilities within a play-based early childhood programme? What constitutes an holistic approach to mathematics learning?

EDCURRIC 213 15 Points

Social Sciences Education

Develops knowledge, skills, dispositions associated with children's learning and social sciences education. Addresses questions such as: What do teachers need to know about belonging, contribution, family and community, and empowerment? What do teachers need to understand about culture and identity? How does pedagogical documentation support learning and teaching? What resources and strategies maximise contribution and participation?

EDCURRIC 216 15 Points

Hauora

Inquires into socio-ecological determinants of health in New Zealand society and the implications of these for the tenets of hauora and holistic wellbeing. Critically considers learning and teaching approaches and resources which enhance the holistic wellbeing and participation of diverse ākonga and their whānau in early childhood contexts. Explores connections between the wellbeing of teachers and ākonga.

EDCURRIC 217 15 Points

Creative Arts in the Early Years

Explores the role of the Arts (dance, drama, music and visual art) in contributing to infants', toddlers', and young children's critical thinking and creativity. Theories and practices of teaching and learning in Arts education are examined, including Māori and Pasifika perspectives, and connections are made to children's play, holistic wellbeing, identities and citizenship.

EDCURRIC 218 15 Points

Teaching Literacy and Maths

A critical examination of ideas about, and strategies for, teaching literacy and mathematics, including teaching English as an additional language. Raises questions about what is important to learn, how teachers respond to students' diverse needs and strengths, including those of Māori and Pasifika learners, and multi-literacies. Considers the role of literacy and Maths in education, learners' futures and wider society.

EDCURRIC 220 15 Points

Special Topic

EDCURRIC 234 15 Points

Physical Activity and Health

Examines human physiological responses to physical work and the research evidence linking health and physical activity. Addresses such questions as: What is the nature of work? How do humans respond and adapt to work? What activities promote adaptation to physical work? What is the veracity of the evidence linking physical activity and health?

Prerequisite: 45 points from EDUC 142, EDCURRIC 132, 133, 135

EDCURRIC 237 15 Points
Recreation and Leisure
 Examines the nature of recreation and leisure in contemporary society. Addresses such questions as: How does leisure relate to concepts of lifestyle, work and play? What factors influence participation in recreation and leisure activities? How does one educate for leisure? Involves practical learning experiences.

EDCURRIC 244 15 Points
Special Study

EDCURRIC 255 15 Points
Special Study

EDCURRIC 277 15 Points
Special Study

EDCURRIC 288 15 Points
Special Study

Stage III

EDCURRIC 303 15 Points
Scientific and Technological Literacies: Primary
 Develops a critical view of scientific and technological literacies and an understanding of their inter-relationship within a range of learning environments. Asks questions such as: What are scientific and technological literacies? What do teachers need to know to be scientifically and technologically literate? How can teachers develop a quality science/technology learning environment?
Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDCURRIC 310 15 Points
Pasifika Learners
 Examines what helps Pasifika learners to succeed in New Zealand education. Addresses questions such as: Who are Pasifika learners? How is Pasifika success addressed in classrooms/centres? How can the study of Pasifika learners help promote effective teaching in multiethnic primary and intermediate schools in New Zealand?
Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDCURRIC 315 15 Points
Special Topic

EDCURRIC 322 15 Points
Special Study

EDCURRIC 325 15 Points
Curriculum in Maths and Literacy 1
 Investigate the learning and teaching of Mathematics and Statistics and English learning areas. Critically examine teaching approaches, resources (including digital technologies) and learner progressions to understand how students learn in Mathematics and Statistics and English. Build essential knowledge and skills for Teaching as Inquiry in these areas.
Restriction: EDCURRIC 625

EDCURRIC 326 15 Points
Curriculum in Maths and Literacy 2
 Investigate how responsive pedagogies develop learners and teachers of the Mathematics and Statistics, and English learning areas. A Teaching-as-Inquiry approach will draw on research evidence to develop knowledge, understandings and skills, and planning and assessment strategies, known to improve outcomes for all learners.
Restriction: EDCURRIC 626

EDCURRIC 335 15 Points
Research Study in Health and Physical Education
 Examines research philosophy, approaches and methods in education as a basis for informing professional practice in health and physical education. Addresses such questions as: How can teachers use research to inform their teaching? What represents quality research in educational settings? What issues influence the design and conduct of a research project?
Prerequisite: At least 60 points from EDCURRIC 230-241, 333-337

EDCURRIC 338 15 Points
Enhancing Teaching Through Science
 Investigates personal conceptual science understandings and selected science education research to inform effective practice. Selected scientific concepts will be examined to provide experience in enhancing teaching through science and engaging children in effective learning in a variety of environments.
Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation
Restriction: EDCURRIC 260

EDCURRIC 339 15 Points
Developing Classroom Mathematics Programmes
 Develops knowledge and understanding of classroom mathematics procedures and learning environments. Examines the integrated nature of learning, teaching and assessment with respect to long term programmes. Aims to further develop teacher confidence in, and positive attitudes toward, the teaching and learning of mathematics through critical analysis and personal reflection.
Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDCURRIC 345 15 Points
Literacy in the Primary School
 An exploration of a variety of literacy processes, approaches, strategies and resources relevant to literacy learning and teaching in the New Zealand primary school curriculum. The emphasis will be on the place of reading and its relationship to oral, written and visual language.

EDCURRIC 349A 7.5 Points
EDCURRIC 349B 7.5 Points
Understanding and Extending Mathematical Thinking
 An investigation of a wide range of strategies that children use to solve mathematical problems. Reflects on reasons for learners' naive conceptions and subsequent planning for teaching thinking strategies.
To complete this course students must enrol in EDCURRIC 349 A and B

EDCURRIC 350 15 Points
Teaching Mathematics Investigations
 An examination of investigative approaches to the teaching and learning of mathematics within the context of problem solving.
Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDCURRIC 356 15 Points
Teaching and Learning in the Visual Arts
 Extends the theoretical and practical knowledge base for visual arts teaching and learning. Examines pedagogies used to support the development of visual arts literacy. Connects learning in the visual arts with the guiding structures of national curriculum documents and investigates issues such as addressing diversity and using

new technologies. Identifies action and reflection practices that enhance visual arts learning.

EDCURRIC 361 15 Points

The Performance Arts in Education

A critical examination of the performance of creating in the arts. The processes of creating and shaping works selected from dance, drama, music and the visual arts will be analysed and used to plan and implement arts education practices in specified educational settings.

Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDCURRIC 362 15 Points

Drama and Learning

An examination of the learning processes initiated by the use of drama in the classroom with a particular focus on language use. There will be opportunity to design, implement and evaluate drama programmes.

Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDCURRIC 363 15 Points

Drama Studies

An exploration of practical and theoretical activities relating to drama and performance in a range of contexts.

EDCURRIC 364 15 Points

Special Topic

EDCURRIC 365 15 Points

Special Topic

EDCURRIC 366 15 Points

Special Topic

EDCURRIC 368 15 Points

Initiating and Supporting Learning in Music

Development of the knowledge base for the teacher of Music, linking curriculum design and principles with practical experience of The Arts in the New Zealand Curriculum document, while offering opportunities for reflection on practice.

Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDCURRIC 369A 7.5 Points

EDCURRIC 369B 7.5 Points

Mathematical Literacy for Lower-achieving Students

Approaches for teaching individuals or small groups who have been identified as achieving below expectations in mathematics in New Zealand primary and secondary schools will be explored. Numeracy assessment tools that identify the problems that students have with mathematical language and mathematical symbols will be explored.

Prerequisite: EDCURRIC 349

To complete this course students must enrol in EDCURRIC 369 A and B

EDCURRIC 386 15 Points

Languages and Social Sciences

Develops knowledge, skills and dispositions for teaching in Social Sciences and Learning Languages. Examines how people behave and influence the world, going beyond our immediate experience to explain how our own society through a critical examination of Te Tiriti o Waitangi and Aotearoa New Zealand histories in the context of fostering participation as active and informed global citizens.

EDCURRIC 387 15 Points

The Arts, Health and PE

Critically explores the place of the arts, and health

and physical education in education, society and policy. Develops knowledge and skills for creative and transformative teaching in the arts and HPE learning areas. Examines how learning in the arts, health and physical education can engage diverse learners, be integrated across the curriculum, and enhance wellbeing within school environments.

EDCURRIC 388 15 Points

Science and Technology Curriculum

Explores and critiques the role of science and technology in education and society. Uses integration principles together with content and pedagogical knowledge to develop and teach science and technology learning experiences resulting in valued outcomes for diverse ākonga. Explores planning and assessment processes for science and technology.

Stage IV

EDCURRIC 430 15 Points

Curriculum Issues in Health and Physical Education

Critically examines the construction of health and physical education in the curriculum. Addresses questions such as: What stands for health and physical education in the curriculum? What contemporary issues face health and physical education teachers? What factors influence how curriculum is constructed and experienced?

Prerequisite: At least 60 points from EDCURRIC 230-241, 333-337

EDCURRIC 431 15 Points

Physical Education Pedagogy

Examines the nature and characteristics of quality teaching in physical education. Addresses such questions as: What legal and ethical issues mediate professional practice? How can a focus on diversity help learners in physical education contexts? What teaching methodologies, management strategies and resources underpin quality practice in physical education?

Prerequisite: EDPROFST 303

EDCURRIC 433 15 Points

The Health Educator

Critically analyses the professional responsibilities and roles of health educators in schools. Addresses such questions as: What are the issues and dilemmas associated with teaching health education? What values and beliefs underpin teaching approaches in health education? How is health education influenced by external factors? How do teachers resolve ethical and professional dilemmas and challenges related to teaching this subject?

Prerequisite: EDCURRIC 235, 333

Diploma Courses

EDCURRIC 600 15 Points

Literacies, Languages, Cultures

Critically explores responsive, equitable and inclusive pedagogies to support diverse ākonga in learning and developing languages and multi-modal literacies. Examines assessment, planning and teaching that take account of ākonga, whānau and communities. Issues related to literacies, languages and cultures in Aotearoa are critically examined. The construction and interpretation of children's texts are explored.

Restriction: EDCURRIC 631

EDCURRIC 601 15 Points

Creative Arts in the Early Years

Explores the role of the Arts (dance, drama, music and

visual art) in contributing to infants', toddlers', and young children's critical thinking and creativity. Theories and practices of teaching and learning in Arts education are examined, including Māori and Pasifika perspectives, and connections are made to children's play, holistic wellbeing, identities and citizenship.

Restriction: EDCURRIC 632

EDCURRIC 604 10 Points

Health and Physical Education

Develops understandings of the theories, concepts and practices that support learning and teaching in health and physical education. It will examine such questions as: How are teachers informed in these subjects? How do teachers implement quality learning experiences based on the health and physical education curriculum for effective learning to occur for a diverse range of learners?

EDCURRIC 610 10 Points

Science Education

Develops an appreciation of the nature of science which supports conceptual understandings and quality teaching and learning approaches in science education. Addresses questions such as: How do teachers design quality learning environments based on the science curriculum so that positive engagement and effective learning can occur for a diverse range of learners? How is achievement determined and monitored?

EDCURRIC 611 10 Points

Social Studies Education

Develops students' knowledge and skills associated with planning for teaching and learning in Social Studies. Addresses questions such as: What do teachers need to know and understand about the history, nature and purpose of Social Studies education? What do teachers need to know about curriculum requirements, teaching methodologies, management strategies and resources to successfully plan for students' diverse needs?

EDCURRIC 613 10 Points

Special Topic

EDCURRIC 620 15 Points

Special Topic

EDCURRIC 621 15 Points

Arts, Language and Literacies Education 1

Develops knowledge, skills and understandings necessary to plan, teach and assess diverse learners in arts, language and literacies by addressing such questions as: Why are these curriculum areas important in the junior school and beyond? How do teachers design and resource quality programmes in order to encourage children to become confident, competent communicators and to maximise their achievement in these areas?

Restriction: EDCURRIC 101, 202, 605

EDCURRIC 622 15 Points

Arts, Language and Literacies Education 2

Extends knowledge, skills and dispositions necessary to plan for, teach and assess diverse learners in arts, language and literacies by addressing such questions as: Why are these curriculum areas important to middle/senior primary school learning? What resources, strategies and approaches will maximise achievement? How do teachers design quality teaching and learning programmes which

encourage children to become competent communicators in these areas?

Prerequisite: EDCURRIC 621

Restriction: EDCURRIC 101, 202, 606

EDCURRIC 623 15 Points

Investigation and Exploration

Critically examines curriculum approaches that promote children's exploration and learning in science, technology, engineering and mathematics. Key concepts, processes and pedagogies relating to these disciplines are considered. Explores children's learning through play and a holistic understanding of infants, toddlers and young children.

Restriction: EDCURRIC 635

EDCURRIC 624 15 Points

Curriculum and Pedagogy

Critically examines theories, approaches and key curriculum influences. Examines the critical role of teacher knowledge, inquiry and reflection in implementing appropriate curriculum and assessment for infants, toddlers and young children. Critically explores the relationship between assessment, curriculum, pedagogy, and learning, including Kaupapa Māori and Pasifika perspectives.

Restriction: EDCURRIC 630, EDPROFST 621, 622

EDCURRIC 625 15 Points

Curriculum: Maths and Literacy 1

Investigate the learning and teaching of Mathematics and Statistics and English learning areas. Critically examine teaching approaches, resources (including digital technologies) and learner progressions to understand how students learn in Mathematics and Statistics and English. Build essential knowledge and skills for Teaching as Inquiry in these areas.

Restriction: EDCURRIC 325, 621, 622, 628, 629

EDCURRIC 626 15 Points

Curriculum: Maths and Literacy 2

Investigate how responsive pedagogies develop learners and teachers of the Mathematics and Statistics, and English learning areas. A Teaching-as-Inquiry approach will draw on research evidence to develop knowledge, understandings and skills, and planning and assessment strategies, known to improve outcomes for all learners.

Prerequisite: EDCURRIC 625

Restriction: EDCURRIC 326, 621, 622, 628, 629

EDCURRIC 627 45 Points

EDCURRIC 627A 15 Points

EDCURRIC 627B 30 Points

Designing the Wider Curriculum

Students will experience, participate in, inquire into and critically examine the content, theory and pedagogy of five Learning Areas of the New Zealand Curriculum: Health and Physical Education, The Arts, Science, Technology, and Social Studies.

Restriction: EDCURRIC 604, 610, 611, 621, 622

To complete this course students must enrol in EDCURRIC 627 A and B, or EDCURRIC 627

EDCURRIC 628 15 Points

Mathematics, Statistics and Technology Education 1

Develops knowledge and understanding of the nature of mathematics, statistics and technology education by addressing questions such as: What is the nature and purpose of mathematics, statistics and technology education in the New Zealand Curriculum? What are the components, key concepts and learning progressions in the

national curriculum? What constitutes effective teaching practices?

Restriction: EDCURRIC 608, 612

EDCURRIC 629 15 Points
Mathematics, Statistics and Technology Education 2

Develops the knowledge, skills and understanding for designing quality learning experiences in mathematics, statistics and technology education for diverse learners by addressing questions such as: What are the mathematical, statistical and technological concepts and learning progressions in the national curriculum? What constitutes effective teaching practices?

Prerequisite: EDCURRIC 628

Restriction: EDCURRIC 609, 612

EDCURRIC 630 15 Points
Early Years Curriculum

Critically evaluates appropriate curriculum for infants, toddlers and young children in early years settings. Integrated approaches to learning and teaching will be emphasised. Addresses, explores and examines questions about complex relationships between curriculum approaches, current learning theory, teachers' professional knowledge, and assessment, planning and evaluation practices with reference to early childhood curriculum.

EDCURRIC 631 15 Points
Languages and Cultures

Develops knowledge, skills and attitudes associated with the planning, teaching and assessing of languages and literacies. Addresses such questions as: What are the interrelationships between languages and cultures in a Pacific nation? What influences construction and interpretation of meaning in text? What are the issues for family/whānau, teachers and learners relating to all children becoming confident, competent communicators in Aotearoa?

Restriction: EDCURRIC 211

EDCURRIC 632 15 Points
The Arts

Develops understanding of the knowledge, skills and attitudes required to optimise learning and teaching in the arts. Involves a focused inquiry into music, dance, drama and visual arts in early childhood settings. Addresses such questions as: How do specific learning and teaching approaches and strategies motivate and enhance all children's learning?

EDCURRIC 633 15 Points
Te Ao Māori Early Childhood Education

Develops competence in te reo Māori and mātauranga Māori. Addresses the needs and aspirations of Māori learners and communities in order to improve educational outcomes. Critically reviews Te Tiriti o Waitangi and Māori pedagogies in relation to teachers' practices. Addresses questions such as: What are the historical and contemporary research and issues for Māori in education?

EDCURRIC 634 15 Points
Hauora

Develops understandings of hauora/well-being and belonging. Inquires into key concepts of health, physical education and social sciences. What images do we hold of children? What does identity mean for learners in a Pacific nation? Why is identity critical for Pasifika learners? What specific learning and teaching approaches and resources

enhance the well-being and participation of children in a diverse society?

Restriction: EDPROFST 101

EDCURRIC 635 15 Points
Exploration

Develops pedagogical content knowledge and understanding in science, mathematics and technology. Considers such questions as: What are key early concepts, processes and possible learning progressions? What constitutes effective learning and teaching approaches to promote children's exploration?

EDCURRIC 636 15 Points
Designing the Wider Curriculum 1

Students will experience, participate in, inquire into and critically examine the content, theory and pedagogy of five Learning Areas of the New Zealand Curriculum: Health and Physical Education, The Arts, Science, Technology, and Social Studies.

Restriction: EDCURRIC 604, 610, 611, 621, 622, 627

EDCURRIC 637 30 Points
Designing the Wider Curriculum 2

Students will experience, participate in, inquire into and critically examine the content, theory and pedagogy of five Learning Areas of the New Zealand Curriculum: Health and Physical Education, The Arts, Science, Technology, and Social Studies.

Prerequisite: EDCURRIC 636

Restriction: EDCURRIC 604, 610, 611, 621, 622

Postgraduate 700 Level Courses

EDCURRIC 700 30 Points
Contemporary Pedagogies - Level 9

Critical examination of contemporary pedagogical approaches and teachers' own professional knowledge and practice associated with curriculum delivery, appropriate for all learners and their educational outcomes, traversing the early childhood, primary and secondary sectors.

EDCURRIC 701 30 Points
Special Topic

EDCURRIC 702 30 Points

The Arts: Creative Practices

Students will critically explore creative practices in research and pedagogy within and between dance, drama, music and visual arts. The emphasis is on exploring emerging visions, theoretical perspectives and arts-based approaches which broaden relationships through postmodern practices in research and pedagogy appropriate to students living in a multicultural society, globalised world, and digital age.

EDCURRIC 704 30 Points
Bridging Science and Society

A detailed examination of ideas and strategies for making science relevant to both teachers and learners. Topics will include notions of scientific literacy; the work of scientists in real-life contexts; the nature of science and process of scientific inquiry; contemporary science education pedagogies; mana ōrite mō te Mātauranga Māori and the role of science education in improving public understanding of science.

Restriction: EDPROFST 729

EDCURRIC 705	30 Points
EDCURRIC 705A	15 Points
EDCURRIC 705B	15 Points

Special Topic: Effective Language Teaching

A practice-focused examination of effective teaching and learning of additional languages in school settings. Aligned with curricular expectations and underpinned by advances in the theory, research and best practice of teaching and learning languages, the course uses evidence-based evaluative inquiry to explore the design and implementation of responsive practices in contemporary language learning environments.

Prerequisite: Departmental approval

Restriction: EDPROFST 360

To complete this course students must enrol in EDCURRIC 705 A and B, or EDCURRIC 705

EDCURRIC 706	30 Points
Researching Practice in the Second Language School Classroom - Level 9	

Students will apply appropriate research methods and specialised knowledge in an independent investigation into a problem of practice in the second language school classroom. In an authentic setting, students will carry out the investigation and consider critically issues associated with the methods applied, including ethical concerns.

EDCURRIC 709A	15 Points
EDCURRIC 709B	15 Points

Literacy Intervention: Individual Inquiry

Students engage in advanced study of theory and research related to optimising Literacy Intervention effectiveness. A critical understanding of Literacy Processing theory and Literacy Intervention principles and practices is integral to support teachers in effectively working with children having difficulty with literacy learning. A practicum component involving daily teaching of four six-year-old children forming case studies for analysis is required.

Prerequisite: Departmental approval

To complete this course students must enrol in EDCURRIC 709 A and B

EDCURRIC 712A	15 Points
EDCURRIC 712B	15 Points

Literacy Intervention: Design, Implementation and Research

Critical analysis of issues and research related to the design and implementation of an effective early literacy intervention in an education system is central to this course. Emphasis is on facilitating the professional development and learning of Early Literacy Intervention teachers. Students observe and work with teachers and facilitators at professional learning centres.

Prerequisite: Departmental approval

To complete this course students must enrol in EDCURRIC 712 A and B

EDCURRIC 714	30 Points
Exploring Mathematical Thinking	

Provides an opportunity for teachers to critique historical number systems as a way of illuminating theoretical issues, and informing their teaching practice, around learning number and place value concepts.

EDCURRIC 720	30 Points
Teaching with Digital Pedagogies - Level 9	

A critical examination of research and practice in using digital technologies to transform classroom pedagogy and enhance students' learning experiences. Building on prior

knowledge and using the knowledge and skills developed in the course, students will identify a research focus of their choosing to test concepts of usage, and critically evaluate new instructional designs for using digital technologies in classrooms.

EDCURRIC 721	30 Points
Mental Health and Wellbeing in Schools	

How do we ensure that schools are wellbeing and mana-enhancing for children and youth? This course is an advanced examination of the theory and practice of mental health education, wellbeing and hauora in education settings. Emphasis will be placed on developing a substantive and integrated knowledge base, which can be applied to schools and other educational settings in practice.

EDCURRIC 722	30 Points
Teacher Leadership for Learning Equity	

Extends teachers' collaborative and innovative leadership in a curricular area of expertise to optimise learning equity for all students, with priority for Māori, Pacific and migrant children and youth, and those with special needs. Participants will facilitate a teaching initiative with colleagues using inclusive, linguistically and culturally sustaining pedagogies within a selected curriculum area/strand in schools or early childhood centres.

Restriction: EDCURRIC 718

EDCURRIC 723	30 Points
STEM Education in Years 0-8	

A practice-focused examination of how to meaningfully integrate science, technology, mathematics and statistics into a localised curriculum with students in Years 0-8. Students will critically examine STEM education, using research to first understand and critique examples drawn from practice, and then to develop an integrated and local learning experience that authentically draws on the STEM disciplines.

EDCURRIC 725	30 Points
Special Topic: Curriculum Changes in Aotearoa	

Students will critically analyse the key changes to Te Mātaiaho which includes the Common Practice Model for Literacy, Communication, and Maths strategy. Emphasis will be placed on building a substantive knowledge base on changes to the structure of the curriculum and changes to the vision, progressions and learning strands developments and the potential impact on equity and inclusion for all ākonga. Examines the implications of these changes for different stakeholders, including school leaders, teachers, students, parents and whānau in Aotearoa.

EDCURRIC 728	30 Points
EDCURRIC 728A	15 Points
EDCURRIC 728B	15 Points

Special Topic: Current Issues: Sport, Health, Physical Education

How do we address the challenges and opportunities facing teachers, leaders and practitioners in sport, health and physical education? This course critically examines current issues across these fields of practice from a range of perspectives. Students will undertake an investigation of specific issues relevant to their contexts.

To complete this course students must enrol in EDCURRIC 728 A and B, or EDCURRIC 728

EDCURRIC 729 30 Points
EDCURRIC 729A 15 Points
EDCURRIC 729B 15 Points
Special Study
 To complete this course students must enrol in EDCURRIC 729 A and B, or EDCURRIC 729

EDCURRIC 730 30 Points
Special Topic: Gender, Sexuality and Education
 Rangatahi (youth) in Aotearoa who identify as sex, gender and/or sexuality diverse are present across all schools. This course will explore policy, curriculum and pedagogical approaches that can support the inclusion, wellbeing and achievement of sex, sexuality and gender diverse youth. The course will be suitable for anyone working with rangatahi including (but not limited to) early childhood, primary, intermediate and secondary school leaders and teachers.

EDCURRIC 731 30 Points
Special Topic: Island Futures: Pacific youth wellbeing and education
 How do educators think about and respond to the diverse wellbeing needs of our Pacific youth in educational settings? This course takes a critical approach to understand the theoretical and practical applications of Pacific wellbeing so Pacific youth in the diaspora can thrive. Emphasis is placed on developing a robust understanding of Pacific youth wellbeing, while also developing mana-enhancing pedagogical practices that are underpinned by Pacific worldviews.

EDCURRIC 740 30 Points
EDCURRIC 740A 15 Points
EDCURRIC 740B 15 Points
Digital Interventions for Learning - Level 9
 A critical examination and application of current theory, research and practice into using digital tools as interventions to support struggling learners. Students will undertake an independent critical evaluation of the development, implementation and impact of a digital tool to accelerate their learning.
 To complete this course students must enrol in EDCURRIC 740 A and B, or EDCURRIC 740

EDCURRIC 750 30 Points
Arts Research: Innovative Practices
 Students will critically explore emerging visions and theoretical concepts that broaden research practices in the Arts. Emphasis will be on how innovative Arts practices move attention from not just what is researched, but to how the research can be conducted and reported in creative ways. Topics include approaches such as narrative, autobiography, performative ethnography, reader's theatre, poetic inquiry, and a/r/tography.

EDCURRIC 763 30 Points
Special Topic

EDCURRIC 791 30 Points
Enterprise and Innovation in Education
 Develops a critical understanding of relationships between business and education, the role of business, enterprise and innovation in the community and various theoretical underpinning frameworks. Develops an in-depth understanding of business practice and critiques opportunities for interaction between enterprise and educational institutions. This would include commercial opportunities for educational institutions as well as contribution to curriculum delivery.

EDCURRIC 796A 60 Points
EDCURRIC 796B 60 Points
Med Thesis - Level 9
 To complete this course students must enrol in EDCURRIC 796 A and B

EDCURRIC 797 60 Points
EDCURRIC 797A 30 Points
EDCURRIC 797B 30 Points
Dissertation
 To complete this course students must enrol in EDCURRIC 797 A and B, or EDCURRIC 797

Education Māori

Stage I

EDUCM 106 15 Points
He Tirohanga ki te Mātauranga i Aotearoa
 Examines historical and contemporary topics and themes in Māori schooling and education, with particular reference to the revitalisation of te reo Māori. Considers Māori educational aspirations and questions in the context of Treaty, social justice and equity debates in Aotearoa New Zealand. Examines te reo Māori discourse relevant to educational contexts and themes investigated in this course.
 Restriction: EDUCM 118

EDUCM 198 0 Points
Te Whakahua Reo Māori
 An online self-directed introductory te reo Māori course that provides opportunities to learn correct pronunciation and some basic language for use in professional situations.

EDUCM 199 0 Points
EDUCM 199A 0 Points
EDUCM 199B 0 Points
Te Reo Māori
 To complete this course students must attain a level of competency in te reo Māori as determined by the Faculty of Education and Social Work.
 To complete this course students must enrol in EDUCM 199 A and B, or EDUCM 199

Stage II

EDUCM 203 15 Points
Te Atawhai i te Rerenga Kētanga
 Analyses how experiences and outcomes for learners in contemporary education contexts are shaped by social constructions informed by class, ethnicity, culture, gender, sexuality, and (dis)ability. Examines the role of education policies and socio-historical context on teacher responsiveness to diversity and difference. Explores a range of transformative approaches. Particular attention is given to Pasifika learners.
 Prerequisite: EDUCM 106
 Restriction: EDPROFM 205

Stage III

EDUCM 300 15 Points
Special Study
EDUCM 324 15 Points
Whiria Te Kaha Tūānitini
 Critically appraises philosophical perspectives on education to enable students to articulate a developing philosophy

and practice of teaching including the relationship between local, national and global politics and inclusive education in Aotearoa New Zealand. Highlights concepts of social justice, equity and diversity and relates these concepts to competing discourses of ability, (dis)ability and inclusion. Examines te reo Māori discourse appropriate to course content.

Prerequisite: EDUCM 203

Postgraduate 700 Level Courses

EDUCM 739	30 Points
EDUCM 739A	15 Points
EDUCM 739B	15 Points

Special Study

To complete this course students must enrol in EDUCM 739 A and B, or EDUCM 739

EDUCM 794A	30 Points
EDUCM 794B	60 Points

Thesis - Level 9

Corequisite: 30 points from EDUC 735, 787, EDPRAC 751, EDPROFST 700, 754, 757

To complete this course students must enrol in EDUCM 794 A and B

EDUCM 795A	60 Points
EDUCM 795B	30 Points

Thesis - Level 9

Corequisite: 30 points from EDUC 735, 787, EDPRAC 751, EDPROFST 700, 754, 757

Restriction: EDUCM 794

To complete this course students must enrol in EDUCM 795 A and B

Education Practice

Stage I

EDPRAC 100	15 Points
Practicum 1	

Builds relationships and establishes professional communication with ākonga and colleagues. Engages in collaborative teaching and learning. Explores the role of the professional teacher through an inquiry-based approach to teaching and learning.

Prerequisite: 30 points from BEd(Tchg) courses and EDPROFST 102

Restriction: EDPRAC 101

EDPRAC 101	15 Points
The Professional Teacher: Primary 1	

Develops knowledge, skills and attitudes associated with effective pedagogical practice through integrating research, theory and practical experience. Addresses questions such as: What does it mean to be a teacher? What does it mean to be a professional? How are teachers learners? How do teachers establish professional relationships in complex environments? Requires demonstration of emerging pedagogical practice.

Prerequisite: Any 45 points from courses in the BEd(Tchg) Schedule

Restriction: EDPROF 100, EDPRAC 102, 103, EDPRACM 101

EDPRAC 103	15 Points
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The Professional Teacher: Health and Physical Education

Develops the knowledge, skills and attitudes associated with effective pedagogical practice through integrating research, theory and practical experience. Addresses such

questions as: What does it mean to be a teacher, to be a professional, and to establish professional relationships in complex environments? Requires demonstration of developing pedagogical practice.

Restriction: EDPRAC 101, 102, EDPRACM 101

EDPRAC 105	15 Points
Practicum 1	

Builds relationships and establishes professional communication with ākonga and colleagues. Engages in collaborative teaching and learning. Explores the role of the professional teacher through an inquiry-based approach to teaching and learning.

Prerequisite: 30 points from BEd(Tchg) courses and EDPROFST 103

Restriction: EDPRAC 102

EDPRAC 106	15 Points
Practicum 1	

Uses research-informed approaches to develop understandings about how children learn. Develop skills in observational techniques and reflection exploring the diverse ways children learn in different curriculum areas, how they communicate, and how they respond in different contexts. Experience and explore authentic educational contexts, observe teacher's professional interactions, and connect these experiences with theory and the New Zealand curriculum.

Stage II

EDPRAC 201	15 Points
Practicum Primary 2	

Further develops the knowledge, skills and attitudes associated with effective pedagogical practice through integrating research, theory and practical experience. Addresses questions such as: How do I teach responsively and purposefully? How do I establish and maintain professional relationships in complex environments and manage the environment effectively and professionally to enable success for learners? Requires demonstration of effective developing pedagogical practice.

Prerequisite: EDPRAC 101 and any 75 points from courses in the BEd(Tchg) Schedule

Restriction: EDPROF 200, 210, EDPRAC 202, 203, EDPRACM 201

EDPRAC 202	15 Points
Practicum Early Childhood 2	

Further develops the knowledge, skills and attitudes associated with effective pedagogical practice through integrating research, theory and practical experience. Addresses questions such as: How do I teach responsively and purposefully; establish and maintain professional relationships in complex environments and manage the learning environment effectively and professionally to enable success for learners? Requires demonstration of effective developing pedagogical practice.

Prerequisite: EDPRAC 102 or EDPRACPK 102 and any 75 points from courses in the BEd(Tchg) Schedule

Restriction: EDPRAC 201, 203, EDPRACM 201

EDPRAC 203	15 Points
Health and Physical Education Practicum 1	

Further develops the knowledge, skills and attitudes associated with effective pedagogical practice through integrating research, theory and practical experience. Requires demonstration of developing pedagogical practice and addresses such questions as: Do I as a teacher practise responsibility and teach purposefully to establish

and maintain professional relationships in complex environments?

Prerequisite: EDPAC 103

Restriction: EDPAC 201, 202, EDPACM 201

EDPRAC 204 15 Points **Practicum 2**

Develops professional knowledge, skills and dispositions required for effective teaching and learning through an inquiry-based approach. Engages in noticing, recognising and responding to diverse learners. Practises and reflects on skills necessary to manage complex learning environments.

Prerequisite: EDPAC 100, EDPFST 102

Restriction: EDPAC 201

EDPRAC 205 15 Points **Practicum 2**

Develops professional knowledge, skills and dispositions required for effective teaching and learning through an inquiry-based approach. Engages in noticing, recognising and responding to diverse learners informed by or guided by curricula. Practises and reflects on skills necessary to manage complex learning environments.

Prerequisite: EDPAC 105, EDPFST 103

Restriction: EDPAC 202

EDPRAC 206 15 Points **Practicum 2**

Uses research-informed approaches to develop understandings about how education spaces are informed, shaped and utilised to enhance children's learning, including the role of planning and assessment. Critically explores how learning environments, schooling practices, people, places, policy, culture and current issues impact learning. Through practices of noticing and reflecting students consider their developing professional identity making links between theory and practice.

Stage III

EDPRAC 304 15 Points

EDPRAC 304A 5 Points

EDPRAC 304B 10 Points

Practicum 3

Establishes and sustains culturally responsive, ethical, learner-focused relationships with ākonga, colleagues and whānau in complex environments. Utilises an inquiry-based approach to demonstrate competency in professional knowledge, and the skills and dispositions required for effective teaching in Aotearoa New Zealand.

Prerequisite: EDPFST 208, EDPAC 204

Restriction: EDPAC 305

To complete this course students must enrol in EDPAC 304 A and B, or EDPAC 304

EDPRAC 307 15 Points

EDPRAC 307A 5 Points

EDPRAC 307B 10 Points

Practicum 3

Establishes and sustains culturally responsive, ethical, learner-focused relationships with ākonga, colleagues and whānau in complex environments. Utilises an inquiry-based approach to demonstrate competency in professional knowledge, and the skills and dispositions required for effective teaching in Aotearoa New Zealand.

Prerequisite: EDPFST 212, EDPAC 205

Restriction: EDPAC 306

To complete this course students must enrol in EDPAC 307 A and B, or EDPAC 307

EDPRAC 315 15 Points

Professional Practice 3

Supports students to develop professional knowledge, skills and dispositions required for effective primary teaching in New Zealand. Examines what it means to demonstrate commitment to Te Tiriti o Waitangi. Builds professional relationships and enacts practices that sustain culturally responsive, ethical, learner-focused relationships with diverse ākonga, colleagues and whānau in complex environments. Developing ability to meet key teaching tasks Teaching Council requirements.

Restriction: EDPAC 615

EDPRAC 316 15 Points

Professional Practice 4

Supports students to develop professional knowledge, skills and dispositions required for effective primary teaching in New Zealand. Examines what it means to demonstrate commitment to Te Tiriti o Waitangi. Builds professional relationships and enacts practices that sustain culturally responsive, ethical, learner-focused relationships with diverse ākonga, colleagues and whānau in complex environments. Demonstrates ability to meet key teaching tasks to meet Teaching Council requirements.

Restriction: EDPAC 616

Stage IV

EDPRAC 403 15 Points

Advanced Health and Physical Education Practicum

Critically evaluates personal pedagogy to consolidate understanding and management of the learning and teaching processes. Requires demonstration of informed and ethical practice and addresses such questions as: How do I manage the complexity of teaching?

Prerequisite: EDPAC 303

Diploma Courses

EDPRAC 607 30 Points

EDPRAC 607A 15 Points

EDPRAC 607B 15 Points

Professional Practice in Context

Uses an evidence-based approach to develop professional knowledge, skills and dispositions for effective teaching in primary and middle school contexts. Addresses what it means to establish effective professional relationships and to teach inclusively and purposefully in complex environments. Requires demonstration of informed and ethical pedagogy.

To complete this course students must enrol in EDPAC 607 A and B, or EDPAC 607

EDPRAC 608 30 Points

EDPRAC 608A 15 Points

EDPRAC 608B 15 Points

Professional Learning in Practice

Uses an evidence-based approach to develop professional knowledge, skills and dispositions for effective teaching in secondary school contexts. Questions include: what does it mean to establish positive professional relationships and to teach inclusively and purposefully in complex environments? Requires demonstration of informed and ethical pedagogy.

Restriction: EDPAC 604

To complete this course students must enrol in EDPAC 608 A and B, or EDPAC 608

EDPRAC 611	30 Points
EDPRAC 611A	15 Points
EDPRAC 611B	15 Points

Professional Practice: Primary

Uses an evidence-based approach to support students to develop the professional knowledge, skills, and dispositions required for effective primary teaching in Aotearoa New Zealand, while examining what it means to demonstrate commitment to Te Tiriti o Waitangi. Builds professional relationships and enacts practices that sustain culturally responsive, ethical, learner-focused relationships with diverse ākonga, colleagues, and whānau in complex environments.

Restriction: EDPRAC 600, 607, 608, 621, 622

To complete this course students must enrol in EDPRAC 611 A and B, or EDPRAC 611

EDPRAC 612	30 Points
EDPRAC 612A	15 Points
EDPRAC 612B	15 Points

Professional Practice: Secondary

Uses an evidence-based approach to support students to develop the professional knowledge, skills, and dispositions required for effective secondary teaching in Aotearoa New Zealand, while examining what it means to demonstrate commitment to Te Tiriti o Waitangi. Builds professional relationships and enacts practices that sustain culturally responsive, ethical, learner-focused relationships with diverse ākonga, colleagues, and whānau in complex environments.

Restriction: EDPRAC 600, 607, 608, 621, 622

To complete this course students must enrol in EDPRAC 612 A and B, or EDPRAC 612

EDPRAC 613	15 Points
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Professional Practice 1: Early Childhood Education

Uses an evidence-based approach to support students to develop the professional knowledge, skills and dispositions required for effective ECE teaching in Aotearoa New Zealand, while examining what it means to demonstrate commitment to Te Tiriti o Waitangi. Ākonga build professional relationships and enact practices that sustain culturally responsive, ethical, learner-focused relationships with diverse ākonga, colleagues and whānau in complex environments.

Restriction: EDPRAC 600, 607, 608, 610, 621, 622

EDPRAC 614	15 Points
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Professional Practice 2: Early Childhood Education

A continuation of EDPRAC 613. Uses an evidence-based approach to support students to develop the professional knowledge, skills and dispositions required for effective ECE teaching in Aotearoa New Zealand, while examining what it means to demonstrate commitment to Te Tiriti o Waitangi. Ākonga build professional relationships and enact practices that sustain culturally responsive, ethical, learner-focused relationships with diverse ākonga, colleagues and whānau in complex environments.

Prerequisite: EDPRAC 613

Restriction: EDPRAC 600, 607, 608, 621, 622

EDPRAC 615	15 Points
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Professional Practice 1: Primary

Uses an evidence-based approach to support students to develop the professional knowledge, skills and dispositions required for effective primary teaching in Aotearoa New Zealand, while examining what it means to demonstrate commitment to Te Tiriti o Waitangi. Builds professional relationships and enacts practices that sustain culturally

responsive, ethical, learner-focused relationships with diverse ākonga, colleagues and whānau in complex environments.

Restriction: EDPRAC 315, 607, 611

EDPRAC 616	15 Points
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Professional Practice 2: Primary

A continuation of EDPRAC 615. Uses an evidence-based approach to support students to develop the professional knowledge, skills and dispositions required for effective primary teaching in Aotearoa New Zealand, while examining what it means to demonstrate commitment to Te Tiriti o Waitangi. Builds professional relationships and enacts practices that sustain culturally responsive, ethical, learner-focused relationships with diverse ākonga, colleagues and whānau in complex environments.

Prerequisite: EDPRAC 615

Restriction: EDPRAC 316, 600, 607, 608, 621, 622

Postgraduate 700 Level Courses

EDPRAC 703	30 Points
EDPRAC 703A	15 Points
EDPRAC 703B	15 Points

Special Study

Prerequisite: Head of Programme approval required

To complete this course students must enrol in EDPRAC 703 A and B, or EDPRAC 703

EDPRAC 750	30 Points
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Special Topic

EDPRAC 751	30 Points
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Practitioner Inquiry

Students will explore what it means to take an 'inquiry stance' as a framework for posing, investigating and addressing practice issues. They will investigate a range of practitioner research approaches, develop an understanding of practitioner research methods and design a well justified research question and proposal for an ethical investigation of a professional practice setting.

EDPRAC 752	30 Points
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Special Topic

EDPRAC 753A	15 Points
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EDPRAC 753B	15 Points
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Portfolio of Professional Practice

Within the context of concurrent field-based teaching, advances professional, analytical and reflective skills in completing a sustained portfolio of teaching practice evidence. Students complete and evaluate a practitioner-inquiry investigation project in a specialist learning area, consistent with the valued learner outcomes as defined by the New Zealand Curriculum.

To complete this course students must enrol in EDPRAC 753 A and B

Education Practice Māori

Stage I

EDPRACM 100	15 Points
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Noho ā-kura 1

Builds relationships and establishes professional communication with ākonga and colleagues. Engages in collaborative teaching and learning. Explores the role of the professional teacher through an inquiry-based approach to

teaching and learning. Examines the te reo Māori discourse relevant to the practicum context.

Prerequisite: 30 points from BEd(Tchg) courses and EDPROFM 102

Restriction: EDPRACM 101

Stage II

EDPRACM 204 15 Points Noho ā-kura 2

Develops professional knowledge, skills and dispositions required for effective teaching and learning through an inquiry-based approach. Engages in noticing, recognising and responding to diverse learners informed by or guided by curricula. Practises and reflects on skills necessary to manage complex learning environments. Examines the te reo Māori discourse relevant to the practicum context.

Prerequisite: EDPRACM 100

Restriction: EDPRACM 201

Stage III

EDPRACM 304 15 Points

EDPRACM 304A 5 Points

EDPRACM 304B 10 Points

Noho ā-kura 3

Builds and sustains culturally responsive, ethical, learner-focused relationships with ākonga, colleagues and whānau in complex learning or education environments. Utilises an inquiry-based approach to demonstrate competency in professional knowledge, and the skills and dispositions required for effective teaching in Aotearoa New Zealand. Examines te reo Māori discourses relevant to the practicum context.

Prerequisite: EDPROFM 101, EDPRACM 204

Restriction: EDPRACM 302

To complete this course students must enrol in EDPRACM 304 A and B, or EDPRACM 304

Education Practice Pasifika

Stage I

EDPRACPK 102 15 Points

Faiakoga o akoga kamata 1

Develops knowledge, skills and attitudes associated with effective pedagogical practice through integrating research, theory and practical experience. What does it mean to be a teacher in Pasifika and general ECE settings? What does it mean to be a professional? How are teachers learners? How do teachers use Pasifika languages and cultures in professional relationships? Requires demonstration of effective emerging pedagogy.

Prerequisite: Any 45 points from courses in the BEd(Tchg) Schedule

Restriction: EDPRAC 101, 102, 103, EDPRACM 101

Education Professional

Stage III

EDPROF 309 15 Points Ako

Critically examines implications for effective learning and teaching from a range of perspectives. Addresses what teachers need to know about learners, how they develop and learn, how to use evidence to promote learning, and the development of self-regulating learners and teachers.

Critically explores teacher expectations, planning and assessment. Develop strategies for inclusion, neurodiversity and responsive pedagogies.

Postgraduate 700 Level Courses

EDPROF 700 15 Points

Interdisciplinary Pedagogy in New Zealand

Critically analyses the bi-cultural, multicultural, social, political, economic, historical and legal contexts of teaching and learning in New Zealand. Examines and evaluates pedagogical theories, evidence informed practices, and attitudes that are critical to being a professional teacher of adolescent learners in New Zealand.

EDPROF 701 30 Points

Accelerating Achievement

Focuses on assessment practices in the context of secondary education in Aotearoa New Zealand, and addresses the enduring challenge of equity in schools to accelerate the achievement of priority learners. Students will engage with current assessment practices, including national qualifications, and will use data and evidence-based research in developing teaching, learning, and assessment practices.

EDPROF 702 30 Points

Curriculum Design in Practice

Critically examines challenges in curriculum conception, design, and enactment in relation to the effects of the discourses of 21st century learning, particularly in the context of Aotearoa New Zealand. Draws on research to examine the knowledge versus skills debate in the high autonomy context of curriculum making in educational settings in New Zealand.

EDPROF 704 30 Points

Advanced Study of Education Practice - Level 9

Students will undertake an advanced study of contemporary issues, innovations, or curriculum and pedagogical advancement relating to educational practice. This will involve independent work demonstrating application of highly specialised knowledge that is at the forefront of contemporary education practice.

Prerequisite: 60 points from the Master of Education Practice Schedule with a GPA of 5.0 or higher

EDPROF 705 30 Points

EDPROF 705A 15 Points

EDPROF 705B 15 Points

Language Learning Needs

Investigates strategies to identify, analyse and respond to additional language learning needs of learners from early childhood to secondary settings. Acknowledges the role of first/heritage languages and culture, and philosophies of empowerment. Examines pedagogical frameworks for planning effective language and content integrated teaching. Students review, trial and modify tasks and learning sequences for specific teaching contexts.

Restriction: EDPROFST 227, 372

To complete this course students must enrol in EDPROF 705 A and B, or EDPROF 705

EDPROF 706 30 Points

The Psychology of Teaching

Critically examines and evaluates contemporary psychological theories of learning and teaching and how these can be applied to professional practice.

EDPROF 707	30 Points
EDPROF 707A	15 Points
EDPROF 707B	15 Points

Bilingual Education

Examines theories, models, and principles for bilingualism and Bilingual Education, as well as multilingual approaches in English-medium contexts. Investigates and critiques programmes, pedagogical approaches, resources, and strategies for bilingual learners in English-medium, Māori-medium, Pacific bilingual/immersion, early childhood, primary or secondary educational contexts. Students develop policy, curriculum and assessment materials suitable for bilingual learners in a particular educational context.

Restriction: EDPROFST 226, 377

To complete this course students must enrol in EDPROF 707 A and B, or EDPROF 707

EDPROF 708	30 Points
EDPROF 708A	15 Points
EDPROF 708B	15 Points

Critical Literacy and Assessment

An exploration of the theory, research and issues for effective critical literacy pedagogy within multicultural environments. A critical investigation into assessment methodologies for socio-culturally and linguistically diverse learners. Focuses on developing effective language assessment practices and policies for learners from diverse backgrounds and in a variety of educational contexts, with specific focus on the Aotearoa New Zealand context.

Restriction: EDPROFST 375, 378

To complete this course students must enrol in EDPROF 708 A and B, or EDPROF 708

EDPROF 709	30 Points
Early Childhood Leadership - Level 9	

A practice-focused course that introduces and critiques leadership theory and research in order to examine leadership beliefs and attitudes. Advanced examination of leadership in early childhood education from a range of perspectives. Will develop and strengthen leadership practices to improve outcomes for children, families and whānau.

EDPROF 722	30 Points
EDPROF 722A	15 Points
EDPROF 722B	15 Points

Language Focused Curriculum

Examines Second Language Acquisition/learning processes. Investigates models and principles of course design as they relate to devising language and content programmes. Applies a functional-grammar approach to the context of language learning in the curriculum. Focuses on ways of implementing and sustaining language-focused content teaching in diverse educational settings. Discusses the relationship between culture, power, language, language policy and curriculum.

Prerequisite: EDPROF 705

Restriction: EDPROFST 373, 374

To complete this course students must enrol in EDPROF 722 A and B, or EDPROF 722

EDPROF 724	30 Points
Developing Communities of Learning - Level 9	

Critically examines key theoretical concepts and processes related to networked improvement communities, with a specific focus on optimising their development as drivers of change. Emphasis is on integrating theory and practice,

especially concepts of equity and collaborative practices as they relate to solving problems of practice within and across educational settings.

EDPROF 725	30 Points
Leading Mathematics Curriculum and Change	

A critical examination of current issues relating to Mathematics and Statistics education in New Zealand and global contexts. This course explores the research literature to inform problems of practice in the teaching and learning of mathematics and statistics.

Restriction: EDPROFST 787

EDPROF 732	30 Points
Collaboration and Inclusive Practices	

An examination of collaboration and inclusive practices, centred on improving the experience of diverse learners. Provides an opportunity to critically examine, develop and practice collaboration and inclusive practices, building capacity to work with other professionals, families, communities and learners themselves. Evaluates what it takes to move from an individualistic to a collaborative professional culture to build and support inclusive practices.

EDPROF 737	30 Points
Ako: Learning to Learn and Teaching to Learn - Level 9	

Critically examines strategies that support responsive teaching, effective learning and the development of self-regulating learners and teachers. They will utilise the methodology of narrative inquiry to produce an advanced critical analysis and evaluation of personal practice.

EDPROF 738	15 Points
Te Ao Māori	

Students will critically examine the cultural competencies required for teachers of Māori learners, as well as the significance of the cultural locatedness of the teacher in relation to learners, their whānau and communities.

EDPROF 739	15 Points
Differentiating Learning for Literacy and Mathematics	

Students will experience and inquire into what responsive pedagogies mean for learners and teachers in literacy and mathematics. They will develop knowledge, understandings and skills in both curriculum areas that are known to improve outcomes for priority learners.

EDPROF 740	15 Points
Promoting Learning through Inquiry: Understanding our Communities	

Students will explore, experience and develop understandings of themselves within and across communities. They will be expected to apply these understandings to promote physical, social and emotional wellbeing and connectedness with others.

EDPROF 741	15 Points
Teaching for Social Justice and Inclusion	

Students will critically inquire into the notion of social justice and its importance for learning and teaching. Drawing on powerful practices, students will identify a repertoire of inclusive, culturally intelligent and responsive teaching practices that provide rich learning opportunities for priority learners.

EDPROF 753	15 Points
Working Together to Accelerate Learning - Level 9	

Students will undertake a supervised investigation that involves advanced analysis of existing data sets and the

drawing of robust and trustworthy conclusions with a view to accelerating learning. The processes involved when making judgments to accelerate learning and promote positive relationships with students will be critically examined.

EDPROF 754 **15 Points**
Promoting Learning through Inquiry: Understanding our World

Students will explore and experience the role that science and technology play in current issues in their community. They will analyse and justify their developing pedagogy in terms of a learning theory that underpins science and technology teaching practice.

EDPROF 755 **15 Points**
Promoting Learning through Inquiry: Responsiveness and Creativity

Students will explore and experience creative and responsive ways of teaching and learning in the arts that they will then apply to their own practice.

EDPROF 756 **15 Points**
Enacting Responsive Pedagogies in Literacy and Mathematics

Building on knowledge, understandings and skills, students will enact responsive pedagogies that improve outcomes for priority learners in Literacy and Mathematics. Adaptive expertise will be developed through inquiry into learning and teaching of these two curriculum areas.

Prerequisite: EDPROF 739

EDPROF 757 **15 Points**
An Investigation into Practice - Level 9

Students will use selected research methods to address a problem of practice through an independent, supervised inquiry. Working as a cohort in authentic settings, students will critically consider issues, including ethical concerns.

Corequisite: EDPROF 758

EDPROF 758 **15 Points**
Inquiring into Practice

Students will demonstrate adaptive expertise through their application of the knowledge, skills and dispositions required for development of culturally responsive, ethical and learning focused relationships with children.

EDPROF 759 **30 Points**
Investigating Mentoring Practice

Utilising teacher inquiry methodologies students will undertake an in-depth inquiry focused on a contemporary idea, issue and/or innovation as applied to mentoring and its potential to support teacher professional learning. Independent work demonstrating application of highly specialised knowledge that is at the forefront of mentoring practice is a central component of this course.

EDPROF 766 **15 Points**
Special Study in Education

Prerequisite: Head of Programme approval required

EDPROF 767 **15 Points**
Special Study in Education

Prerequisite: Head of Programme approval required

EDPROF 791A **30 Points**
EDPROF 791B **60 Points**

Thesis in Educational Leadership - Level 9

The thesis must be an original piece of work addressing a significant problem in relation to educational leadership. Students are required to demonstrate an ability to

formulate research questions and design and carry out an investigation that answers these questions precisely and with clarity.

Prerequisite: EDPROFST 738 and 30 points from EDUC 735, 787, EDPRAC 751, EDPROFST 757

To complete this course students must enrol in EDPROF 791 A and B

EDPROF 795A **60 Points**

EDPROF 795B **30 Points**

Thesis in Educational Leadership - Level 9

Prerequisite: EDPROFST 738 and 30 points from EDUC 735, 787, EDPRAC 751, EDPROFST 757

Restriction: EDPROF 791

To complete this course students must enrol in EDPROF 795 A and B

Education Professional Studies

Stage I

EDPROFST 100 **15 Points**
Hāpai Ākonga

Critically examines the importance of Māori language and culture in New Zealand Education. Develops ability in te reo and mātauranga Māori. Addresses questions such as: How can Māori culture and language be incorporated in pedagogical practices to be productive for Māori educational aspirations as well as the education of all students?

Restriction: EDUC 114, MĀORI 107

EDPROFST 101 **15 Points**
Hauora: Early Years Wellbeing

Develops knowledge and understandings of issues and practices relating to the wellbeing of children, families and communities in early years education. Founded in Te Whāriki's three goals of well being and incorporating key concepts of the Health and Physical Education Curriculum. Examines the impact of socioecological factors on wellbeing.

Restriction: EDCURRIC 634

EDPROFST 102 **15 Points**
Inquiry into Practice 1

Addresses key influences on learning and development, building and enhancing understandings of personal experiences and identity. Examines concepts central to learning and development such as self-efficacy and self-concept. Explores key aspects within the teacher's role with an emphasis on reflection, relationship building, communication and collaboration. Introduces strategies central to the first teaching practicum.

EDPROFST 103 **15 Points**
Inquiry into Practice 1

Addresses key influences on learning and development, building and enhancing understandings of personal experiences and identity. Examines concepts central to learning and development such as self-efficacy and self-concept. Explores key aspects within the teacher's role with an emphasis on reflection, relationship building, communication and collaboration. Introduces strategies central to the first teaching practicum.

EDPROFST 104 **15 Points**
Introduction to Early Childhood Studies

Explores key themes related to the study of children, childhood and early childhood education in Aotearoa. Overviews early childhood curriculums, theories of learning,

and children's play and learning contexts. Examines the roles and responsibilities of adults working with children.

EDPROFST 105**15 Points****Introducing TESOL Education**

An introduction to Teaching English to Speakers of Other Languages (TESOL), the core disciplines that contribute foundational knowledge to practice in the profession, and current linguistic, educational, and social needs that it addresses. Particular focus is on developing awareness of how societal and contextual factors shape TESOL educational practice and developing reflective skills necessary to examine and improve practice.

EDPROFST 115**15 Points****Professional Early Childhood Practice 1**

Examines concepts central to learning and development such as identity, self-efficacy and self-concept. Develops strategies for building collaborative relationships and establishing professional communication with colleagues and tamariki. Explores the role of an early childhood practitioner through an inquiry-based approach to working with tamariki.

Stage II**EDPROFST 200****15 Points****Infant Care and Education**

Critically examines the influence of historical and contemporary theory related to early learning and professional practice. Addresses questions such as: How do teachers address responsive practice with infants and toddlers in the New Zealand context? How do relationship-based philosophies address issues for teachers of infants and toddlers? What is the tension between education and care?

Restriction: EDCURRIC 210

EDPROFST 204**15 Points****Te Whāriki for Diverse Learners**

Critically examines early childhood curriculum and its implications for developing a personal pedagogy that is responsive to individual learners. How does curriculum combine with teachers' skills, knowledge and attitudes to address equity and diversity in Aotearoa New Zealand? How do teachers manage the relationship between curriculum and the learning environment to enable learners' success? *Prerequisite: 15 points from EDUC 118, 140 and 15 points from EDUC 119, 141*

EDPROFST 205**15 Points****Promoting Achievement for Diverse Learners**

Explores diversity in the New Zealand context and its implications for teaching and learning. Considers strategies to address identified underachievement. Utilising psychological and sociological theory and research, the course examines practices that create effective teaching and learning environments for diverse/all learners. Teacher expectations, relationships, individual differences, classroom management and questioning are examined in relationship to contemporary approaches to teaching and learning.

Prerequisite: 15 points from EDUC 118, 140, EDUCUM 118, 140 and 15 points from EDUC 119, 141, EDUCUM 119, 141 or 30 points passed at Stage I in BEd(TESOL)

EDPROFST 206**15 Points****Early Childhood Assessment**

Assessment for learning and teaching in early childhood education is contextualised and examined in relation to

key New Zealand and international policy documents. The complexities, roles, and enactment of assessment concerning young children and childhoods are explored, and key learning areas include relevant theoretical frameworks and pedagogical documentation.

Restriction: EDPROFST 214

EDPROFST 207**30 Points****EDPROFST 207A****15 Points****EDPROFST 207B****15 Points****Interdisciplinary Approach: TESOL**

An overview of second language learning and teaching that addresses the interdisciplinary nature of TESOL by developing knowledge, skills and attitudes associated with TESOL within different contexts. Addresses questions such as: What are the important principles, concepts and skills in an interdisciplinary approach to TESOL? Why is intercultural communicative language learning important? How are these concepts evident in practice?

To complete this course students must enrol in EDPROFST 207 A and B, or EDPROFST 207

This course may not be taken concurrently with EDPROFST 306 A and B, or EDPROFST 306

EDPROFST 208**15 Points****Inquiry into Practice 2**

Develops informed understandings about the nature of high quality, effective teaching practices for diverse ākonga. Interprets teaching as inquiry with reference to relevant curricula. Identifies and examines specific teacher actions that support high quality, effective teaching and learning. Further develops understandings of strategies central to the second teaching practicum.

Prerequisite: EDPROFST 102, EDPRAC 100

Corequisite: EDPRAC 204

EDPROFST 209**15 Points****Developing Learning Communities**

Introduces students to selected contemporary perspectives on learning. Explores strategies that develop self-regulated and self-efficacious ākonga, and support learning. Considers rationale and conditions for establishing cultural connections and relationships within a responsive pedagogy alongside factors that contribute to the creation of classrooms as effective learning communities.

Prerequisite: EDPRAC 100, EDPROFST 102

EDPROFST 210**15 Points****Special Topic****EDPROFST 211****15 Points****Early Childhood Pedagogies**

Analyses social, historical, and contemporary issues related to education and care for infants, toddlers and young children. Investigates relevant pedagogies through a range of theoretical, philosophical, and cultural lenses. Explores conceptualisations of infants, toddlers and young children, and understandings of play and assessment. Considers children's learning and wellbeing and the implications for environmental provision and ethical practice.

Prerequisite: EDPROFST 104

Restriction: EDPROFST 366

EDPROFST 212**15 Points****Inquiry into Practice 2**

Develops informed understandings about the nature of high quality, effective teaching practices for diverse ākonga. Interprets teaching as inquiry with reference to relevant curricula. Identifies and examines specific teacher actions that support high quality, effective teaching and learning.

Further develops understandings of strategies central to the second teaching practicum.

Prerequisite: EDPROFST 103, EDPRAC 105

Corequisite: EDPRAC 205

EDPROFST 215 15 Points

Professional Early Childhood Practice 2

Develops professional knowledge, skills and dispositions required for effective professional early childhood practice through an inquiry-based approach. Enhances practice in engaging with and responding to diverse tamariki informed by developmental knowledge. Creates opportunities to practise and reflect on skills necessary to manage complex early childhood environments.

Prerequisite: EDPROFST 115

EDPROFST 216 15 Points

TESOL Education in Context

An overview of second language learning and teaching that addresses the interdisciplinary nature of TESOL by developing knowledge, skills and attitudes associated with TESOL within different contexts. The course addresses questions such as: What are the important principles, concepts and skills in an interdisciplinary approach to TESOL? How does digital technology impact TESOL? How are these concepts evident in practice?

Restriction: EDPROFST 207

EDPROFST 217 15 Points

TESOL in Practice I

Familiarises students with a range of skills and knowledge in second language learning and teaching in different contexts. It uses pedagogical content knowledge and skills for informing future practice including maximising motivation and engagement in TESOL for diverse and multilingual learners. The course examines professional practice in educational environments using a critically reflective approach.

Restriction: EDPROFST 207

EDPROFST 220 15 Points

Introduction to Samoan Language for Teaching

Focus will be on the acquisition of basic Samoan to develop skills in listening, speaking, reading and writing. How this knowledge can be applied in educational settings will also be examined. Aimed at learners with little or no prior experience of Samoan language.

EDPROFST 222 15 Points

Reporting Student Achievement

Develops understanding about assessment of learning with particular emphasis on principles underpinning the gathering of robust summative information, the making of defensible judgements and decisions and reporting student achievement. Policy requirements related to assessment of learning will be critiqued and implications for practice considered.

EDPROFST 226 15 Points

Introduction to Bilingual Education

An introduction to bilingualism and bilingual education. Examines key principles of programme development and strategies for academic learning of bilingual students in formal and informal settings including immersion and mainstream, early childhood and secondary.

EDPROFST 227 15 Points

TESSOL: Language Learning Needs

Strategies to identify, analyse, and respond to second language learning needs of students from early childhood

to secondary school settings are introduced. Theories of first and second language acquisition are discussed, with reference to the role of first language and culture, and philosophies of empowerment. Practical teaching strategies which enable the integration of content and language learning are introduced.

Stage III

EDPROFST 303 15 Points

Teaching Health and Physical Education 2

Examines the knowledge, skills and attitudes associated with effective pedagogical practice in health and physical education. Addresses such questions as: How can the diverse needs of students be addressed in physical education contexts? How can teachers structure quality learning opportunities? How are units and programmes planned using the curriculum, national guidelines and assessment requirements?

Prerequisite: EDPROFST 203

Restriction: EDPROFST 301, 302, EDPROFM 301

EDPROFST 304 15 Points

Play: Theory and Practice

Develops critical understandings of play related to learning and teaching. Addresses questions such as: How do varied theoretical and philosophical perspectives of play influence professional practice? What are the implications of positioning play as the interface between individual freedom and social constraint? What is the significance of play for creativity, communication and citizenship?

Prerequisite: At least 225 points passed

Restriction: EDCURRIC 215, 313

EDPROFST 306 30 Points

EDPROFST 306A 15 Points

EDPROFST 306B 15 Points

Contemporary Issues in TESOL

Examines a range of contemporary issues relating to TESOL education allowing students to draw connections between theory, research, their own experiences as language users and practice. Addresses questions such as: What are the latest developments in the theory, policy and practice of TESOL? How does digital technology impact TESOL? How does reflective practice shape the work of the TESOL educator?

To complete this course students must enrol in EDPROFST 306

A and B, or EDPROFST 306

This course may not be taken concurrently with EDPROFST 207

A and B, or EDPROFST 207

EDPROFST 307 15 Points

EDPROFST 307A 7.5 Points

EDPROFST 307B 7.5 Points

Inquiry into Practice 3

Promotes development of a defensible philosophy of learning and teaching that addresses interactions and intersections between and among professional knowledge bases. Examines pedagogical, ethical and contextual factors influencing teaching practice. Facilitates critique of practitioner inquiry with reference to cognate literature and personal philosophy in relation to the final teaching practicum.

Prerequisite: EDPROFST 208, EDPRAC 204

To complete this course students must enrol in EDPROFST 307

A and B, or EDPROFST 307

EDPROFST 308	15 Points
EDPROFST 308A	7.5 Points
EDPROFST 308B	7.5 Points

Inquiry into Practice 3

Promotes development of a defensible philosophy of learning and teaching that addresses interactions and intersections between and among professional knowledge bases. Examines pedagogical, ethical and contextual factors influencing teaching practice. Facilitates critique of practitioner inquiry with reference to cognate literature and personal philosophy in relation to the final teaching practicum.

Prerequisite: EDPROFST 212, EDPRAC 205

Corequisite: EDPRAC 307

To complete this course students must enrol in EDPROFST 308 A and B, or EDPROFST 308

EDPROFST 309	15 Points
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Furthering Learning Through Assessment

Addresses assessment literacy and capability through an informed examination and appraisal of the purposes, strategies and practices of assessment for and of learning. Attention is focused on the ways in which ākonga and teachers can use information and evidence from classroom activities and selected New Zealand assessment tools to support and further learning and achievement for diverse ākonga.

Prerequisite: EDPROFST 209

Restriction: EDPROFST 214

EDPROFST 310	15 Points
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Special Topic: Inquiry into Practice in NZ Schools A

Addresses key influences on the learning and development of an inquiring teacher and examines concepts central to learning and development of students such as self-efficacy and self-concept through the lens of an adaptive expert. Explores key aspects within the teacher's role with an emphasis on critical reflection, relationship building, communication and collaboration. Introduces strategies central to the first teaching practicum.

Prerequisite: Approval from the Course Director

EDPROFST 313	15 Points
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The Professional Teacher

Examines theories, evidence informed practices, and attitudes that are critical to being a professional teacher. Explores concepts such as teacher self-efficacy, teacher inquiry, knowledge building and reflection, and factors that support the transition from student to teacher. Discusses the nature of professionalism, and the impact of expectations on teachers, including ethical obligations and legal requirements.

Prerequisite: EDPRAC 202 or 105 points passed at Stage II from the BEd(TESOL) Schedule

Corequisite: EDPRAC 306 or EDPROFST 306

EDPROFST 315	15 Points
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Relational Worlds of Children

Explores the relational worlds of all children in early childhood settings in Aotearoa and globally. Critically examines relevant theories and ideas of childhood and children's learning including children's belonging, being and becoming. Relational philosophies and pedagogies connecting teachers, parents and children with local and global communities addressed within the context of culturally sensitive practices.

EDPROFST 318	15 Points
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Multilingual Learners in Schools

Addresses current theories, approaches and practices for language teaching and learning for students learning English as an additional language in New Zealand schools and Early Childhood Centres. The course focuses on the needs of learners in all curriculum areas, emphasising the importance of understanding diverse learners' languages and cultures across the curriculum.

Prerequisite: 120 points passed at Stage I from the BEd(TESOL)

EDPROFST 319	15 Points
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Teaching Gifted and Talented Students

Explores theories and practices which have the potential to promote the development of gifts and talent. Integrates theory, research and professional practice to develop understanding of gifted education.

Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

Restriction: EDPROFST 223, 371

EDPROFST 325	15 Points
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Introduction to Leadership in Education

A critical examination of the nature of professional leadership in education settings. Educational leadership skills such as goal setting, decision making, problem solving, team building, communication, delegation, vision development and curriculum alignment will be explored.

EDPROFST 350	15 Points
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Assessment for Learning

Understandings about the nature and purpose of Assessment for Learning (AFL) will be developed. Emphasis will be placed on strategies associated with AFL and the formative use of information. Policy requirements related to AFL and implications for teachers' practice and students' learning will be examined.

EDPROFST 355	15 Points
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The Politics of Education

The use of critical theory and discourse analysis to examine the politics of education. Historical and contemporary policy formation, implementation and effect will be examined. The impact of policy on teachers' work and influence on policy processes will be explored.

EDPROFST 357	15 Points
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Reflective Practice for Teachers

Examines moral, political and ethical factors that influence and affect teachers' work in general and personal professional practice in particular. A critically reflective lens will be used as a means of analysis.

EDPROFST 358	15 Points
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Refining Professional Performance

Provides a framework for analysis and critique of the impact of personal professional practice in the context of the prevailing socio-political educational climate. For teachers this will include a consideration of the impact of their practice on learners. A practitioner research project related to a specific area of the student's professional practice will be undertaken.

EDPROFST 360	15 Points
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Teaching Languages in Schools

Students who have a working knowledge of a second language will study and apply strategies for classroom teaching of second languages in schools. Following critical reflection on different teaching models used in schools, students will prepare teaching materials, plan class lessons

and apply information and communication technology in teaching and learning second languages.

Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

Restriction: EDUC 318

EDPROFST 363 15 Points

Environmental Education: An Introduction

An examination of the nature and purpose of environmental education in New Zealand educational settings. An exploration of curriculum integration models and the ways these can be used to plan and teach environmental education programmes. An investigation of past, present (and possible future) local, national, and global environmental issues and their impacts on the natural and built environments.

Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDPROFST 364 15 Points

Enterprise and Innovation for Teaching

Develops teachers' understanding of links between business and education, and the role of business, enterprise and innovation in the community. Links with technology and social studies curricula will provide context for this course.

EDPROFST 365 15 Points

Beyond Special Needs: Inclusive Education

Analyses personal and professional dilemmas associated with teaching children with special needs. Examines strategic practices which promote a responsive learning environment for all learners and approaches to recognising and catering for exceptional children. Addresses relationship building and resource access.

Prerequisite: 225 points passed in the BEd(Tchg) Primary Specialisation

EDPROFST 368 15 Points

Refining Writing Programmes

Develops and extends understanding of the theory and practice of teaching and learning of writing within early childhood and primary settings.

EDPROFST 371 15 Points

Special Topic

EDPROFST 372 15 Points

TESSOL: Language Learning through Tasks

Investigates strategies for maximising language and content learning through instructional tasks. Cognitive, linguistic and metacognitive demands of tasks are considered. Examines pedagogical frameworks for planning effective language and content teaching in early childhood, primary and secondary schools. Students review, trial and modify tasks and learning sequences.

Prerequisite: 105 points passed at Stage II from the BEd(TESOL) Schedule

EDPROFST 373 15 Points

TESSOL: Language Learning in the New Zealand Context

The application of current second language acquisition theory to the New Zealand school context. Focuses on functional grammar in the classroom and on the roles of school organisation, policy development and building of school and community relationships in language learning.

Prerequisite: EDPROFST 227 and 372

EDPROFST 374 15 Points

TESSOL: Language Focused Curriculum

Discusses the relationship between culture, power, language and curriculum. Students investigate models

and principles of curriculum design and use a functional-grammar approach to the design of language across the curriculum programmes. Focuses on ways of implementing and sustaining classroom and school wide language focused content teaching.

Prerequisite: EDPROFST 227, 372 and 373

EDPROFST 375 15 Points

TESSOL: Assessment

Students analyse the personal and contextual factors that may affect linguistic performance in the New Zealand curriculum and critique current assessment procedures used in NZ schools. Focuses on recording and reporting and developing school policies for the assessment of students from diverse linguistic and cultural backgrounds.

Prerequisite: EDPROFST 227

EDPROFST 377 15 Points

Bilingual Education: Curriculum and Pedagogy

Examines key principles and processes for curriculum development and resource provision for bilingual learners in mainstream or bilingual educational contexts. Students critique an aspect of programme planning and pedagogy in order to develop curriculum and assessment measures suitable for bilingual learners in a particular school or centre.

EDPROFST 378 15 Points

Critical Approaches to Literacy

An exploration of the issues, theory, research and burgeoning body of literature on literacy in multi-ethnic settings including the development of effective multicultural environments for literacy learning.

EDPROFST 379 15 Points

TESSOL: Materials Design

Critique current resources for English language learning within the New Zealand curriculum using principles from second language learning in content areas. Students use the process of materials design to develop a language resource for a specified group of learners. The resource is presented in a way that can be disseminated to educational audiences.

Prerequisite: EDPROFST 227, 372 and 373

Corequisite: EDPROFST 374

EDPROFST 380 15 Points

TESSOL: Teacher Research Design

A range of research methodologies and methods appropriate for investigating an aspect of language learning through the curriculum is introduced and critiqued. Students conduct a critical review of relevant SLA literature and prepare a research proposal.

Prerequisite: EDPROFST 227, 372, 373 and 374

EDPROFST 381 15 Points

TESSOL: Teacher Research Implementation

The students implement a school-based teacher research study. The focus of this study informs decision making into an aspect of the effectiveness of second language acquisition in the context of a primary or secondary school classroom. Findings of the study are reported in a way that can be disseminated to educational audiences.

Prerequisite: EDPROFST 380

EDPROFST 386 15 Points

Special Topic: Professional Practice in New Zealand Schools

Develops understanding of values and principles of inclusive education to ensure that relationships with students are

based on respect. Addresses pedagogy that is purposefully designed to teach and assess students to meet the reading and writing requirements of the New Zealand curriculum. A particular focus will be on the theories of teaching practice that best support English Language Learners.

Prerequisite: Approval from the Course Director

EDPROFST 387 15 Points

Special Topic: Inquiry into Practice in NZ Schools B

Engages critical reflection skills through an inquiry into classroom practice that has relevance to own context. Reflects critically on responsive pedagogies impacting on learning. Understands teaching as inquiry and the iterative process it entails, and enables dissemination of this inquiry using appropriate delivery strategies to a range of audiences, including colleagues, mentors and leaders within own countries' context.

Prerequisite: Approval from the Course Director

Corequisite: EDPROFST 310

EDPROFST 390 15 Points

Special Study

An advanced study in a topical area of educational inquiry.

EDPROFST 393 15 Points

Special Topic

EDPROFST 394 15 Points

Special Topic

EDPROFST 395 15 Points

Special Topic

EDPROFST 396 15 Points

Professional Early Childhood Practice 3

Develops capability to establish and sustain culturally responsive, ethical, child-focused relationships with tamariki, colleagues and whānau in complex environments. Promotes an inquiry-based approach to demonstrating competency in professional knowledge, and the skills and dispositions required for effective professional early childhood practice.

Prerequisite: EDPROFST 215

EDPROFST 397 15 Points

Current Issues in TESOL

Examines a range of issues relating to Teaching English to Speakers of Other Languages (TESOL) education allowing students to draw connections between theory, research, their own experiences as language users, and practice. Addresses questions such as: What are current developments in the theory, policy and practice of TESOL? Why is intercultural communicative language learning important? How does reflective practice shape the work of the TESOL educator?

Prerequisite: EDPROFST 216

Restriction: EDPROFST 306

EDPROFST 398 15 Points

TESOL in Practice II

Examines a range of contemporary issues relating to Teaching English to Speakers of Other Languages (TESOL) education allowing students to draw connections between theory and practice. Students critically reflect on developments in the TESOL field and their impact on practice. Applies theoretical perspectives and pedagogic principles to the design of TESOL practices in dynamic learning environments.

Prerequisite: EDPROFST 216, 217

Restriction: EDPROFST 306

Diploma Courses

EDPROFST 601 10 Points

Te Ao Māori

Critically examines the educational and cultural needs and aspirations of Māori learners and communities. Questions include: What is the social, historical and policy context of schooling for Māori? Why are te reo and mātauranga Māori important and how can they be integrated across learning contexts for all students? What current research contributes to effective pedagogical approaches for Māori students?

Restriction: EDPROF 601, 603

EDPROFST 605 15 Points

The Early Years Teacher

Develops critically reflective practice and knowledge of a range of early childhood contexts. Critiques theories of teaching and teacher identity in relation to own practice and professionalism. Explores issues, ethics, policies and politics that influence teacher identity, well-being and practice. Explores a range of communication skills that support relationships with children, teachers, families and whānau.

Restriction: EDCURRIC 634, EDPROFST 621, 622

EDPROFST 607 15 Points

Relational Worlds of Children

Explores the relational worlds of children in early childhood settings in Aotearoa and globally. Critically examines relevant theories and ideas of childhood and children's learning including children's belonging, being and becoming. Relational philosophies and pedagogies connecting teachers, parents and children with local and global communities addressed within the context of culturally sensitive practices.

Restriction: EDCURRIC 630, 634, EDPROFST 621, 622

EDPROFST 609 15 Points

Ako

Critically examines the implications for effective learning and teaching from a range of perspectives. Addresses what teachers need to know about learners, and how they develop and learn, how to use evidence to promote learning, how to apply the strategies that support responsive teaching and the development of self-regulating learners and teachers.

Restriction: EDPROF 309, EDPROFST 608

EDPROFST 613 15 Points

The Adolescent Learner

Focuses on theories of motivation and engagement in the context of adolescent development. Uses a social and psychological lens to examine neurological changes, adolescent identity, diverse learners, responsive pedagogies, learning theories and mental health issues. Explores questions relating to understanding adolescents to create a positive classroom environment for students.

Restriction: EDPROFST 612

EDPROFST 614 15 Points

EDPROFST 614A 7.5 Points

EDPROFST 614B 7.5 Points

The Inquiring Professional

Examines what it means to be a professional teacher. Considers the concept of the professional teacher as the adaptive expert, able to enquire into and reflect on the

impact of current policies, as well as their practice on the diverse learners they teach.

To complete this course students must enrol in EDPROFST 614 A and B, or EDPROFST 614

EDPROFST 623 15 Points
Special Topic

Postgraduate 700 Level Courses

EDPROFST 702 30 Points
Challenges of Literacy Difficulties

Teachers will critically examine and evaluate research and practice in literacy education, including specific intervention strategies and resources. This will include an examination of the social, cultural, economic, psychological and physiological factors that influence literacy development, including approaches to support and overcome literacy difficulties experienced by diverse learners, including Māori and Pasifika children.

EDPROFST 703 30 Points

EDPROFST 703A 15 Points

EDPROFST 703B 15 Points

Leading Literacy and Language Inquiries

Systematic inquiries into teaching and learning for students learning languages or facing difficulties with literacy learning. A review and analysis of literature relevant to the practices of teaching and learning languages and literacies, and engagement with a range of theoretical and pedagogical perspectives will inform the inquiries.

Restriction: EDPROFST 310, 371

To complete this course students must enrol in EDPROFST 703 A and B, or EDPROFST 703

EDPROFST 705 30 Points
Literacy Theory and Practice

An advanced analysis of the theoretical perspectives of social, cultural, political and psychological issues in relation to literacies education. Aspects of theories and practices in literacies including raising the achievement of Māori and Pasifika students and students from diverse language backgrounds, and the influence of diversity and technology on literacy, will be analysed and evaluated.

Restriction: EDPROFST 701

EDPROFST 706 30 Points

EDPROFST 706A 15 Points

EDPROFST 706B 15 Points

Language Analysis for Teachers

Provides pedagogically relevant information about the English language. Participants will learn fundamental concepts of grammar, vocabulary and the sound system of English and focus on some of the difficulties that learners, including those who are speakers of other languages, commonly experience as they learn English.

To complete this course students must enrol in EDPROFST 706 A and B, or EDPROFST 706

EDPROFST 707 30 Points

Children's Literature in Education

A critical examination of children's literature theory, leading to the ability to enhance literacy and critical literacy pedagogy.

EDPROFST 708 30 Points

Media Literacy in Educational Contexts

A critical investigation of the theory and practice of teaching media literacy in educational contexts. Includes consideration of barriers, opportunities and teaching

practices in primary and secondary schools and across multiple subject areas. An examination and evaluation of current media education initiatives in New Zealand and internationally.

EDPROFST 714 30 Points
e-Learning in Practice

A critical analysis of contemporary theory and applied research in educational technology.

EDPROFST 716 30 Points

Early Years Pedagogy

Critically examines pedagogy in the early years. How do theory and research inform pedagogy that enables effective learning in the early years? What is the relationship between pedagogy and effective teaching in the early years? What sort of teaching prepares very young children for life's challenges and life-long learning? In what ways might early years pedagogy take into account an increasingly complex and diverse world?

EDPROFST 717 30 Points

Learning and Teaching in the First Years

Critically examines learning and teaching with infants and toddlers in educational settings. How does the context of care impact on contemporary educational views of learning and teaching? How do teachers construct infants and toddlers as learners? What does this mean for their practice? How does international theory and research inform the practice of teachers in Aotearoa New Zealand?

EDPROFST 727 30 Points

Social Theory and Physical Education

An advanced examination of the contemporary beliefs, thoughts and actions that represent current practices in physical education.

EDPROFST 728 30 Points

Special Topic

EDPROFST 732 30 Points

Education for Sustainability

An advanced study of the nature and purpose of environmental education including an examination of sustainability as a contested notion. Theories and pedagogical practices within environmental education in educational settings will be critically analysed in order to enhance professional practice.

EDPROFST 734 30 Points

Frameworks for Inclusive Settings

An analysis of educational contexts and their impact on the learning and behaviour of students with particular reference to those with special needs. Emphasis is placed upon assisting teachers to develop inclusive learning environments that enhance academic performance and social behaviour.

Restriction: EDPROF 634, 734, EDPROFST 634

EDPROFST 738 30 Points

Educational Leadership - Level 9

A reflective examination of the theory and practice of educational leadership including the leadership of teaching and learning. Emphasis will be placed on the synthesis of a substantive and integrated knowledge base, which can be applied to authentic work situations and a personal practice context. Focuses on contemporary leadership practices that are central to effective educational leadership.

Restriction: EDPROF 770

EDPROFST 739 30 Points**Educational Policy and Organisations**

An examination of debates about New Zealand educational policy. This course is designed to increase understanding of the policy process and to develop leadership skills and knowledge in being able to interpret and critique policy analyses.

Restriction: EDPROF 771

EDPROFST 740 30 Points**Educational Leadership in the Electronic Age**

Advanced study of the impact of ICT on teaching pedagogies, curriculum and management in educational environments. Emphasis is on assisting educational leaders to focus ICTs on school applications that improve management practice and student learning outcomes.

Restriction: EDPROF 776

EDPROFST 743 15 Points**Family Counselling**

An advanced examination of counselling principles as applied to stresses arising within family relationships.

Restriction: EDPROF 743

EDPROFST 744 15 Points**Pastoral Care and Counselling in Schools**

Provides an overview of the theory and practice of pastoral care and counselling within New Zealand schools. It includes an examination of pastoral care systems and counselling services, including the roles of staff, in relation to the academic mission of schools, disciplinary systems, the health of children and young people and the school-community interface.

EDPROFST 745 15 Points**Group Counselling**

A critical examination of group dimensions in counselling activities.

Restriction: EDPROF 745

EDPROFST 751 30 Points**Early Childhood Curriculum - Level 9**

An educational curriculum negotiates social, political, educational and interdisciplinary ideas and theories. Critically examines influences on curriculum pertinent to pedagogical leadership in contemporary early childhood education. What perspectives of children, families and teachers are represented? How do these perspectives privilege particular outcomes? How does practitioner inquiry into curriculum issues underpin and improve practices? Requires the completion of independent research-focused assignments.

EDPROFST 752 30 Points**Assessment for Learning and Teaching**

A critical examination of the relationship between assessment, teaching and learning. The notion of Assessment for Learning will be explored in relation to educational policy, relevant literature and contemporary research. Implications for practice and factors affecting implementation will be explored in detail.

EDPROFST 754 30 Points**Critical Research Methodologies in Education**

An in-depth examination of ways in which critical research methodologies provide new knowledge and offer alternatives, through analysis of social, cultural, economic, political contexts in education. The critical research paradigm will be explored, to understand various perspectives and methods, and to enhance its use in

education research. Students will be expected to design an education inquiry using critical research methodologies.

EDPROFST 755 30 Points**The Inquiring Professional**

Optimise learning through a narrative inquiry into practice. Collaboratively and independently engage with theories, strategies and practices of writing life stories to better understand educational processes, practices, places, and policies. Critically analyse relevant literature in a chosen area of interest through a range of writing strategies. Includes writing a critically reflective narrative to inform future practice.

EDPROFST 757 30 Points**Undertaking Research for School Improvement**

Students will learn how to design research that contributes to the understanding and improvement of educational practice. They will develop an understanding of practitioner based research methods and produce a detailed research proposal that includes a clearly defined, and justified, research design and methodology aimed at studying a specific educational problem.

Restriction: EDPROF 772

EDPROFST 759 60 Points**EDPROFST 759A 30 Points****EDPROFST 759B 30 Points****Research Portfolio BEd(Tchg)(Hons) - Level 9**

A supervised programme of coherent research activity related to a selected aspect of professional practice/education. This will lead to the compilation of a research portfolio that reflects the research and content knowledge, understanding and skills developed during the course of the programme.

Restriction: EDPROFST 789

To complete this course students must enrol in EDPROFST 759 A and B, or EDPROFST 759

EDPROFST 760 30 Points**Christian Religious Education in Integrated Schools**

A critical analysis of pedagogical methodology in Christian Religious Education through an examination of contemporary research, scholarship and theory, in Christian Scripture, Christian thought and History and Christian Religious Education in Integrated Schools.

Restriction: EDCURSEC 676

EDPROFST 762 30 Points**Mentoring Professionals**

An advanced examination of approaches to mentoring and coaching. This course will provide a critical analysis of issues and practices associated with developing professional capacity. Emphasis will be placed upon the role of the educational leader in mentoring other staff into educational and leadership roles across an organisation.

Restriction: EDPROF 731

EDPROFST 764 30 Points**Disability Policy and Practice**

Explores contemporary issues and influences in the education of learners with disabilities. Critically examines a range of contemporary social, political and educational responses to disability.

EDPROFST 765 30 Points**Development in Early Years**

An advanced examination of a range of current theories and research issues related to development in early years of childhood. Topics will include: life experiences of children

within family/whānau; cognitive, communicative, social, emotional and physical development in a range of contexts.

EDPROFST 769 30 Points

Developing Mentoring Expertise

Mentoring has been identified as being an essential yet complex ingredient for teacher professional learning and development for new and experienced teachers. Underpinning educative models of mentoring is the development of adaptive expertise that builds knowledge through evidence-informed inquiry. Emphasis is placed on catering for the diversity of learning needs throughout professional careers.

EDPROFST 774 30 Points

Education and Empowerment

A critical examination of contemporary issues faced in New Zealand's decile 1-3 urban schools. International and New Zealand based literature will familiarise students with current theory and research regarding the history, politics, teaching and learning, and best practice relevant to New Zealand's decile 1-3 urban school students, teachers and communities. Emphasis will be on empowerment theories, underpinned by Freirean perspectives.

EDPROFST 777 30 Points

Curriculum: Theory, Issues, Practice - Level 9

A critical examination of curriculum using a range of leading educational theories with an emphasis on sociological theory. Importance will be placed on the independent critique of contemporary curriculum issues, and the links between theory, policy and practice. A research informed critical understanding will be applied to the NZ Curriculum Framework, or Te Whāriki, or to a sector in the NZ education system.

EDPROFST 780 30 Points

EDPROFST 780A 15 Points

EDPROFST 780B 15 Points

Special Topic

To complete this course students must enrol in EDPROFST 780 A and B, or EDPROFST 780

EDPROFST 781 30 Points

EDPROFST 781A 15 Points

EDPROFST 781B 15 Points

Special Topic

To complete this course students must enrol in EDPROFST 781 A and B, or EDPROFST 781

EDPROFST 782 30 Points

Educational Change - Level 9

Critically examines the purposes and processes of educational change, including a reflection on practices that promote successful outcomes for change initiatives. Processes of educational change in both New Zealand and international contexts will be studied and critiqued from individual, organisational and systemic perspectives. Focuses on leadership practices that have the potential to promote change for improvement.

EDPROFST 784 30 Points

EDPROFST 784A 15 Points

EDPROFST 784B 15 Points

Special Study

To complete this course students must enrol in EDPROFST 784 A and B, or EDPROFST 784

EDPROFST 786 30 Points

EDPROFST 786A 15 Points

EDPROFST 786B 15 Points

Special Topic

To complete this course students must enrol in EDPROFST 786 A and B, or EDPROFST 786

EDPROFST 788 15 Points

Special Topic

EDPROFST 789A 15 Points

EDPROFST 789B 30 Points

Dissertation in Mathematics Education - Level 9

To complete this course students must enrol in EDPROFST 789 A and B

EDPROFST 790 30 Points

EDPROFST 790A 15 Points

EDPROFST 790B 15 Points

Research Project - Level 9

Restriction: EDPROF 790, 796, EDPROFST 796

To complete this course students must enrol in EDPROFST 790 A and B, or EDPROFST 790

EDPROFST 793 60 Points

EDPROFST 793A 30 Points

EDPROFST 793B 30 Points

Dissertation - Level 9

To complete this course students must enrol in EDPROFST 793 A and B, or EDPROFST 793

EDPROFST 796A 60 Points

EDPROFST 796B 60 Points

MEd Thesis - Level 9

Restriction: EDPROF 796

To complete this course students must enrol in EDPROFST 796 A and B

Named Doctoral Courses

EDPROFST 844C 60 Points

EDPROFST 844D 60 Points

Research Portfolio

To complete this course students must enrol in EDPROFST 844 C and D

EDPROFST 897 120 Points

Thesis

Education Professional Studies Māori

Stage 1

EDPROFM 100 15 Points

Te Ao Māori - Te Kāhano

Introduces socio-political and historical contexts, including Te Tiriti o Waitangi, to inform understandings about Māori challenges and aspirations within contemporary New Zealand society. Examines own social and cultural locations for their impact on professional and social practices in a range of settings. Develops basic knowledge of te ao Māori including Te Reo me ngā tikanga Māori.

Restriction: EDUCSW 101, EDPROFST 100

EDPROFM 101 15 Points

Te Reo Māori 1

Develops te reo Māori knowledge, skills and attitudes for learning and teaching across marautanga. Addresses issues such as strategies that support personal and professional Māori language development; historical, social and political

factors that have impacted on the vitality of te reo Māori; bilingual education and Māori medium education.

Restriction: EDPROFM 109

EDPROFM 102 **Pakirehua Ngaio – Te Ako** **15 Points**

Addresses key influences on learning and development, building and enhancing understandings of personal experiences and identity. Examines concepts central to learning and development such as self-efficacy and self-concept. Explores key aspects within the teacher's role with an emphasis on reflection, relationship building, communication and collaboration. Introduces strategies central to the first teaching practicum. Examines te reo Māori discourse appropriate to pakirehua ngaio contexts.

Stage II

EDPROFM 200 **Te Ao Māori – Te Māhuri** **15 Points**

Introduction of contemporary Māori educational landscapes, policy directions, case-studies and debates to develop critical knowledge and engagement with te ao Māori and Māori Education. Further develops knowledge of te reo, tikanga and mātauranga Māori, and its integration with pedagogy, practice and planning relevant for all ākonga, is developed.

Prerequisite: EDPROFM 100 or WTR 100

EDPROFM 203 **Mātauranga: Te Whakawhanake Hapori Ako** **15 Points**

Introduces students to selected contemporary perspectives on learning. Explores strategies that develop self-regulated and self-efficacious learners, and support learning, with a focus on Māori learners. Considers rationale and conditions for establishing connections and relationships within a responsive pedagogy alongside factors that contribute to the creation of Māori medium classrooms as effective learning communities.

EDPROFM 204 **Te Reo Māori 2** **15 Points**

Further develops te reo Māori knowledge, skills and attitudes for learning and teaching across Marautanga. Addresses issues such as planning effectively for personal and professional Māori language development; key theories and approaches underpinning the development of bilingualism and biliteracy in Māori medium educational contexts and the pedagogical implications of these when planning for learning and teaching.

Prerequisite: EDPROFM 101

Restriction: EDPROFM 209

EDPROFM 208 **Pakirehua Ngaio – Te Whakaako** **15 Points**

Develops informed understandings about the nature of high quality, effective teaching practices for diverse ākonga. Interprets teaching as inquiry with reference to relevant curricula. Identifies and examines specific teacher actions that support high quality, effective teaching and learning. Further develops understandings of strategies central to the second teaching practicum. Examines te reo Māori discourse appropriate to pakirehua ngaio contexts.

Prerequisite: EDPROFM 102, EDPRACM 100

Corequisite: EDPRACM 204

EDPROFM 220 **Special Topic** **15 Points**

Stage III

EDPROFM 300 **Te Ao Māori – Te Puāwaitanga** **15 Points**

Fosters Te Tiriti responsive teacher practice, including understanding of and engagement with Māori whānau and community for productive educational relationships and learner outcomes. Applies critical knowledge and skills in mātauranga, tikanga and te reo Māori to extended planning and assessment activities suitable for diverse ākonga.

Prerequisite: EDPROFM 200

EDPROFM 302 **Te Reo Māori 3** **15 Points**

Synthesises te reo Māori knowledge, skills and attitudes for teaching and learning across Marautanga. Addresses issues such as the support of te reo Māori revitalisation at micro, meso and macro levels; the socio-political implications of language change, shift, loss and revitalisation; planning for long-term personal Māori language development in a school context.

Prerequisite: EDPROFM 204

EDPROFM 304 **Ako mā te Aromatawai – Learning Through Assessment** **15 Points**

Addresses assessment literacy and capability through an informed examination and appraisal of the purposes, strategies and practices of assessment for and of learning. Attention is focused on the ways in which Māori medium learners and teachers can use information and evidence from classroom activities and selected New Zealand assessment tools, in particular Māori medium tools, to support and further learning and achievement.

Restriction: EDPROFM 214

EDPROFM 307 **15 Points**

EDPROFM 307A **7.5 Points**

EDPROFM 307B **7.5 Points**

Pakirehua Ngaio – Te Pouako Pakirehua

Promotes development of a defensible philosophy of learning and teaching that addresses interactions and intersections between and among professional knowledge bases. Examines pedagogical, ethical and contextual factors influencing teaching practice. Facilitates critique of practitioner inquiry with reference to cognate literature and personal philosophy in relation to the final teaching practicum. Examines te reo Māori discourse relevant to pakirehua ngaio contexts.

Prerequisite: EDPROFM 208

To complete this course students must enrol in EDPROFM 307 A and B, or EDPROFM 307

EDPROFM 313 **Te Pouako Ngaio** **15 Points**

Examines theories, evidence informed practices, and attitudes that are critical to being a professional teacher. Explores concepts such as teacher self-efficacy, teacher inquiry and reflection, and factors that support the transition from student to teacher. Discusses the nature of professionalism, and the impact of expectations on teachers, including ethical obligations and legal requirements.

Prerequisite: EDPRAC 201 or 202 or EDPRACM 201

Corequisite: EDPRAC 305 or 306 or EDPRACM 302

Restriction: EDPROFM 301

EDPROFM 320 **Special Topic** **15 Points**

EDPROFM 321 Special Topic	15 Points
EDPROFM 322 Special Topic	15 Points

Diploma Courses

EDPROFM 600	15 Points
EDPROFM 600A	7.5 Points
EDPROFM 600B	7.5 Points

Te Ao Māori: He tirohanga whakamuri kia ahu whakamua
Introduces socio-political and historical contexts, including Te Tiriti o Waitangi in order to inform understandings of contemporary challenges and aspirations of Māori in educational contexts. Own social locations and cultural beliefs are examined for their impact on teacher practice and outcomes for Māori learners. Learning opportunities that critically integrate Māori language, knowledge and culture are identified and designed.

Restriction: EDPROFST 601

To complete this course students must enrol in EDPROFM 600 A and B, or EDPROFM 600

Postgraduate 700 Level Courses

EDPROFM 700 Being Māori, Thinking Theory	30 Points
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An exploration of theory through a Kaupapa Māori framework. Draws on te reo, tikanga and mātauranga Māori as the foundation for articulating Kaupapa Māori theory as a contemporary theoretical framework of analysis in education.

EDPROFM 701 Teaching Te Reo Māori in English-Medium Contexts	30 Points
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Critically analyse te reo Māori revitalisation strategies and theories of language planning including developing personal te reo Māori development plans. Developing critical knowledge, skills of mātauranga, tikanga and te reo Māori and knowledge of relevant curriculum material. Critique second language acquisition theory and develop teaching approaches that support the learning and teaching of te reo Māori and tikanga in English-medium settings.

EDPROFM 702 Te whakaako i te reo Māori: Teaching te reo Māori	30 Points
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Through an exploration of second language acquisition and pedagogical processes, including an analysis of the latest learning technologies, this course will enable critical reflection on current te reo Māori teaching practices, enhanced language development, and an opportunity to evaluate and strengthen the effectiveness of one's own te reo Māori teaching practice. This course will be taught in te reo Māori.

EDPROFM 703 Special Topic	30 Points
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EDPROFM 796A	60 Points
EDPROFM 796B	60 Points
MEd Thesis - Level 9	

To complete this course students must enrol in EDPROFM 796 A and B

EDPROFM 797	60 Points
EDPROFM 797A	30 Points
EDPROFM 797B	30 Points
Dissertation	

To complete this course students must enrol in EDPROFM 797 A and B, or EDPROFM 797

Education Professional Studies Pasifika

Stage I

EDPROFPK 102	15 Points
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Pe mafai vefea e ki tatou oi tamaiti aoga Pasifika

Explores skills and techniques in learning-to-learn in Pasifika medium, bilingual education settings. Students are introduced to characteristics of the development of a first language platform for further successful learning in English. Interpersonal communication and cognition skills and academic language proficiency in students' first languages will be scaffolded during this course.

Education Studies

Stage III

EDUCN 300 Special Topic	15 Points
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Postgraduate 700 Level Courses

EDUCN 701 Language Policy	30 Points
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Examines contemporary language policies that actively recognise and support Indigenous and other minoritised languages, as well as those promoting bi/multilingualism. These include language policy developments in relation to Te Reo Māori, as well as Pasifika, Asian, and other languages, in Aotearoa New Zealand. Key international examples of Indigenous and minority language revitalisation, and bi/multilingual language policies, will also be highlighted.

EDUCN 793 Dissertation - Level 9	60 Points
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Educational Psychology

Postgraduate 700 Level Courses

EDPSYCH 701 Assessment in Practice	30 Points
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An introduction to applied educational psychology, with seminars on the major issues of current practice and introduction to community-used test materials and theoretical issues of assessment and screening, with practical application to case studies.

EDPSYCH 702 Support in Practice	30 Points
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An introduction to applied educational psychology interventions and supports with a critical examination of how "severe behaviour" is framed. Seminars on the controversial issues of current interventions including restraint, professional burn-out, safety plans, individualised education plans, and non-evidence and evidenced based interventions available in Aotearoa.

Prerequisite: EDPSYCH 701

English

Stage I**ENGLISH 102** 15 Points**Great Books: Seduction and Betrayal**

Surveys a selection of literary masterpieces by major authors from different periods in the history of English literature. Selection of texts is organised around the theme of seduction and betrayal, understood more particularly as a story-arc exploring attitudes to love and sex, to politics and ambition, to ethical conduct, and to the activity of reading itself.

ENGLISH 113 15 Points**Global South: New World Texts**

Introduces cross-disciplinary study of transnational texts in English, with particular reference to poetry and prose works from the Caribbean and Pacific, including New Zealand. In both regions, the local history of writing is extensive and includes notable texts that reflect diverse cultural origins, but also a sharp sense of the new (scenes, socio-political structures, languages).

ENGLISH 114 15 Points**Journeys: Travel Narratives In Global Literatures**

Examines texts from around the world, composed across three millennia, that explore travelling as a means of discovering the self and the other. What does travelling mean in broader cultural, social, and political contexts? Students will encounter literatures from around the world in a range of genres, and will be exposed to different disciplinary approaches to textual analysis.

ENGLISH 121 15 Points**ENGLISH 121G** 15 Points**Reading/Writing/Text**

Develops University-wide skills of reading, writing and analysis. Addresses the needs of students in both English and other disciplines where both writing and reading have an important role in learning. The course fosters personal writing skills and also introduces writing as a subject of study in itself.

Stage II**ENGLISH 204** 15 Points**Pacific Literature in English**

An introduction to contemporary Pacific Literature exploring texts from canonical Pacific writers to spoken word performance poets. Texts will be examined in light of recent theories in Indigenous Writing Studies, with a focus on crossings of cultural and creative borders, diaspora and identity.

Prerequisite: 30 points at Stage I in English, or 15 points at Stage I in English and PACIFIC 100

ENGLISH 207 15 Points**Creating Stories**

Explores narrative theory and analysis through major stories from the literature and art of the last six centuries, from Shakespeare's sources to now; from at least four continents; and including short story, drama, 'classic' and modern novels, verse, children's picture story, narrative painting, comics, film and music video. Investigates universal, human, local, individual, work and intra-work levels of analysis.

Prerequisite: 60 points passed

Restriction: ENGLISH 111

ENGLISH 213 15 Points**Age of Shakespeare: Tragedy**

An introduction to the golden age of English theatre, involving detailed study of a selection of tragedies by Shakespeare and his contemporaries. The theatrical emphasis of the course is intended to help students respond to the plays as theatrical artefacts and not merely as literary texts.

Prerequisite: 30 points at Stage I in Drama or English

Restriction: ENGLISH 353

ENGLISH 214 15 Points**Early Texts: Modern Inventions**

A study of key works and contexts of selected medieval and early modern writers, including Chaucer, Shakespeare, Milton, and Behn. Offers a compact history of literary engagements with important social issues that arose in a period notable for revolution and reform; also develops knowledge of literary forms and trends that are historically important, but, in this period, relatively new.

Prerequisite: 15 points at Stage I in English

Restriction: ENGLISH 210, 330

ENGLISH 216 15 Points**Modernist Transformations**

Taking transformation as its theme, the course focuses on a selection of influential Modernist works that map out some of the possibilities for the avant-garde in the early twentieth century. Students will expand their knowledge of modernism as a multimedia, multicultural phenomenon and exert their imaginations and research skills as they consider its relevance to contemporary cultural production.

Prerequisite: 30 points at Stage I in English

Restriction: ENGLISH 206, 222, 322

ENGLISH 217 15 Points**Postcolonial Memory: Ireland**

Explores globally significant issues of cultural memory, identity and postcolonial inheritance through the lens of Irish literature and cultural experience. Debates about memory and postcoloniality guide our navigation of twentieth and twenty-first century Irish novels, plays, poetry and short stories. Conversely, our literary navigations interrogate postcolonial representations of identity across changing cultural contexts.

Prerequisite: 30 points at Stage I in English

Restriction: ENGLISH 266, 316, 361

ENGLISH 219 15 Points**Nineteenth Century Literature**

Considers a range of literature from the nineteenth century – poetry, fiction and drama – as regards its treatment of growing up in the period. Issues covered include the recognition of childhood as a special state, the establishment of an individual's gender and sexual identity and the opportunities and constraints afforded by the changing social hierarchy and religious belief systems.

Prerequisite: 30 points at Stage I in English

Restriction: ENGLISH 104, 360

ENGLISH 221 15 Points**New Zealand Literature**

Offers an historical survey of major writers and key issues in New Zealand literature. Students will not only read some of the best writing our country has to offer but will develop, through the literature studied, a richly detailed overview of New Zealand experience from the period of first contact until now.

Prerequisite: 30 points at Stage I in English

Restriction: ENGLISH 355

ENGLISH 223 15 Points**Modern Writing and Critical Thinking**

Explores theories and practices of writing and criticality in academic, civic, and artistic contexts. We consider some of the scripts that organise literate social practices and how to perceive and extrapolate their principles. We explore how we are affected by, how we navigate, and how we transform our immersive world of signs.

Prerequisite: 15 points at Stage I in English

Restriction: ENGLISH 305

ENGLISH 252 15 Points**Creative Writing: Four Genres**

Develops practical skills in four writing genres: Poetry, Multimedia, Creative Non-Fiction and Short Fiction. A range of published models will be studied alongside write and workshop exercises; and students will develop close-reading skills. Two portfolios of creative work cover all four genres, based on work begun in seminars.

Prerequisite: 45 points passed including 30 points in English

Restriction: ENGLISH 255, 324

ENGLISH 256 15 Points**Tolkien and his Worlds**

Examines Tolkien's primary fictional texts, *The Hobbit* and *The Lord of the Rings* trilogy, in relation to the author's ideas about fantasy and world-building, his use of Celtic, German and Christian mythology, and the adaptation of the novels into film.

Prerequisite: 60 points passed

Restriction: ENGLISH 306

ENGLISH 261 15 Points**Special Topic**

Prerequisite: 45 points passed

ENGLISH 262 15 Points**Special Topic**

Prerequisite: 30 points at Stage I in English

Restriction: ENGLISH 356

ENGLISH 265 15 Points**Shakespeare: Comedies and Tragicomedies**

A study of selected comedies and tragicomedies of Shakespeare and his contemporaries. Works of Shakespeare may include the romantic comedies of his first decade and a half as a playwright, the so-called 'problem plays', the darker comedies of his middle years, and the tragicomedies of his final years, sometimes called 'romances'. The nature of comedy and its relationship to tragedy is also explored.

Prerequisite: 30 points at Stage I in Drama or English

Restriction: ENGLISH 310

Stage III**ENGLISH 305 15 Points****Modern Writing and Critical Thinking**

Reading modern works that overtly blend critical and creative styles, the course examines relations among discourses, criticality, and imagination.

Prerequisite: 30 points at Stage II in Drama or English

Restriction: ENGLISH 223

ENGLISH 306 15 Points**Tolkien and his Worlds**

Examines Tolkien's primary fictional texts, *The Hobbit* and *The Lord of the Rings* trilogy, in relation to the author's ideas about fantasy and world-building, his use of Celtic,

German and Christian mythology, and the adaptation of the novels into film.

Prerequisite: 60 points passed

Restriction: ENGLISH 256

ENGLISH 310 15 Points**Shakespeare: Comedies and Tragicomedies**

A study of selected comedies and tragicomedies of Shakespeare and his contemporaries. Works of Shakespeare may include the romantic comedies of his first decade and a half as a playwright, the so-called 'problem plays', the darker comedies of his middle years, and the tragicomedies of his final years, sometimes called 'romances'. The nature of comedy and its relationship to tragedy is also explored.

Prerequisite: 30 points at Stage II in English or Drama

Restriction: ENGLISH 265

ENGLISH 311 15 Points**Creating Stories**

Explores narrative theory and analysis through major stories from the literature and art of the last six centuries, from Shakespeare's sources to now; from at least four continents; and including short story, drama, "classic" and modern novels, verse, children's picture story, narrative painting, comics, film and music video. Investigates universal, human, local, individual, work and intra-work levels of analysis.

Prerequisite: 60 points at Stage II from the BA Schedule

Restriction: ENGLISH 111, 207

ENGLISH 316 15 Points**Postcolonial Memory: Ireland**

Explores globally significant issues of cultural memory, identity and postcolonial inheritance through the lens of Irish literature and cultural experience. Debates about memory and postcoloniality guide our navigation of twentieth and twenty-first century Irish novels, plays, poetry and short stories. Conversely, our literary navigations interrogate postcolonial representations of identity across changing cultural contexts.

Prerequisite: 30 points at Stage II in English

Restriction: ENGLISH 217, 266, 361

ENGLISH 318 15 Points**The Gothic: Texts and Theory**

An advanced introduction to literary theory through an exploration of classic works of Gothic Literature. We examine the competing claims of psychoanalysis, new historicism, post-colonialism and queer studies in accounting for the appeal and cultural significance of the Gothic mode.

Prerequisite: 30 points at Stage II

Restriction: ENGLISH 321

ENGLISH 322 15 Points**Modernist Transformations**

Takes transformation as its theme, focuses on a selection of influential Modernist works that map out some of the possibilities for the avant-garde in the early twentieth century. Students will expand their knowledge of modernism as a multimedia, multicultural phenomenon and exert their imaginations and research skills as they consider its relevance to contemporary cultural production.

Prerequisite: 30 points at Stage II in English

Restriction: ENGLISH 206, 216, 222

ENGLISH 323 15 Points**Contemporary Poetry**

An introduction to the work of a dozen influential poets, this course emphasises new developments. The focus is on the

still controversial L=A=N=G=U=A=G=E poetry that emerged in the late 1970s and developments concurrent with it. This shift is seen against a background of changes in technology, politics and in popular and intellectual culture.

Prerequisite: 30 points at Stage II in English

ENGLISH 324 15 Points

Creative Writing: Four Genres

Develops practical skills in four writing genres: Poetry, Multimedia, Creative Non-Fiction and Short Fiction. A range of published models will be studied alongside write and workshop exercises and students will develop close-reading skills. Two portfolios of creative work cover all four genres, based on work begun in seminars.

Prerequisite: 60 points passed, including 45 points in English

Restriction: ENGLISH 252

ENGLISH 330 15 Points

Early Texts, Modern Inventions

A study of key works and contexts of selected medieval and early modern writers, including Chaucer, Shakespeare, Milton, and Behn. Offers a compact history of literary engagements with important social issues that arose in a period notable for revolution and reform; also develops knowledge of literary forms and trends that are historically important, but, in this period, relatively new.

Prerequisite: 30 points at Stage II in English

Restriction: ENGLISH 214, 351

ENGLISH 340 15 Points

Arthurian Literature

The Arthurian story, from its first passage into French in the twelfth century. The English writings are studied in comparison with their French sources and counterparts (in translation).

Prerequisite: 30 points at Stage II in English or FRENCH 200

Restriction: ENGLISH 738, 746

ENGLISH 343 15 Points

Writing Poetry

Students will be guided through poetry and poetics and the writing of poetry. As part of the course requirement, they will submit a portfolio of poems.

Prerequisite: 30 points at Stage II in English, Drama, Writing Studies and Programme Coordinator approval

Restriction: ENGLISH 328

ENGLISH 344 15 Points

Writing Creative Prose

An art and craft class focused on refining technical skills in writing short fiction and creative non-fiction, studying local and international models, and based around weekly workshops.

Prerequisite: 60 points passed and Programme Coordinator approval

Restriction: ENGLISH 328

ENGLISH 351 15 Points

Special Topic

Prerequisite: 30 points at Stage II in English

ENGLISH 353 15 Points

Age of Shakespeare: Tragedy

An introduction to the golden age of English theatre, involving detailed study of a selection of tragedies by Shakespeare and his contemporaries. The theatrical emphasis of the course is intended to help students respond to the plays as theatrical artefacts and not merely as literary texts.

Prerequisite: 30 points at Stage II in English or Drama

Restriction: ENGLISH 213

ENGLISH 355 15 Points

New Zealand Literature

Offers an historical survey of major writers and key issues in New Zealand literature. Students will not only read some of the best writing our country has to offer but will develop, through the literature studied, a richly detailed overview of New Zealand experience from the period of first contact until now.

Prerequisite: 30 points at Stage II in English

Restriction: ENGLISH 221

ENGLISH 356 15 Points

The Modern Novel

A study of fiction. The prescribed works vary widely in their country of origin, formal elements and themes. Some are recognised as classics, while others show the new directions taken by the writers of the time. The texts are given detailed consideration as well as being placed within social and critical contexts.

Prerequisite: 30 points at Stage II in English

Restriction: ENGLISH 220, 262

ENGLISH 360 15 Points

Special Topic: Nineteenth Century Literature

Considers a range of literature from the nineteenth century – poetry, fiction and drama – as regards its treatment of growing up in the period. Issues covered include the recognition of childhood as a special state, the establishment of an individual's gender and sexual identity and the opportunities and constraints afforded by the changing social hierarchy and religious belief systems.

Prerequisite: 30 points at Stage II in English

Restriction: ENGLISH 219

ENGLISH 367 15 Points

Special Topic

Prerequisite: 30 points at Stage II in English

Postgraduate 700 Level Courses

ENGLISH 700 30 Points

Pacific Poetry

A critical engagement with poetry written in English by the peoples of Oceania (Polynesia, Melanesia, Micronesia). Pacific aesthetics and epistemologies evident in orature and art, in addition to post-colonial and women of colour feminist theories, will be used in the construction of culturally insightful frameworks to better appreciate this poetry that spans from the 1970s to the present day.

Restriction: ENGLISH 717, 720

ENGLISH 705 30 Points

Modernism and the Contemporary

Examines the work of Modernist writers intensely concerned with ideas of the contemporary within the context of Modernism, the defining international 'movement' of the twentieth century, known for its narratives of crisis and transformation.

ENGLISH 706 30 Points

Shakespeare: Selected Plays and Poems

The focus of this course varies from year to year but includes attention to several of the most influential approaches to the reading of Shakespearean texts: psychoanalysis, feminism, new historicism, cultural materialism and post-colonial theory.

ENGLISH 709 30 Points

Theatre on Screen

Examines a range of mainstream and arthouse films which

treat the processes of theatrical performance and dramatic composition. These films create commercial and aesthetic appeal by engaging the thin dividing line between reality and drama. Topics include: theatricality and politics; the business of theatre; gender and sexuality; adaptation.
Restriction: ENGLISH 774

ENGLISH 713	30 Points
ENGLISH 713A	15 Points
ENGLISH 713B	15 Points

Research Essays - Level 9

A number of essays are written with guidance from a supervisor, focusing on a field, author, genre or period of literature.

To complete this course students must enrol in ENGLISH 713 A and B, or ENGLISH 713

ENGLISH 714	30 Points
Special Topic	

ENGLISH 718	30 Points
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Opening the Archive

Develops practical research skills while attending to archives as concept and theory. Skills include scoping and pursuing a significant research project, seeking permissions and presenting findings. The course also reflects critically on the provenance of textual, material, visual and digital collections and their public and scholarly uses in the twenty-first century.

ENGLISH 732	30 Points
ENGLISH 732A	15 Points
ENGLISH 732B	15 Points

Popular Fiction: Mystery, Romance and Fantasy

Popular Fiction offers an opportunity to extend critical study of literature to the mass of texts customarily denied academic approval. A key element is the reader's pleasure. Does pleasure make a difference in what is, admittedly, a critical study of several varieties of modern popular fiction, especially children's literature, romance and crime fiction (both in print and on television). Reading of texts will be supported by discussion of a range of theoretical issues.

To complete this course students must enrol in ENGLISH 732 A and B, or ENGLISH 732

For students currently enrolled in a postgraduate programme in English

ENGLISH 746	15 Points
Arthurian Literature	

The Arthurian story, from its first passage into French in the twelfth century. The English writings are studied in comparison with their French sources and counterparts (in translation).

Restriction: ENGLISH 340

ENGLISH 769	30 Points
Representing Imagining	

Investigates representation in imaginative writing. Principal texts are from 1928 to the present and from North America, UK, Aotearoa New Zealand, France, and the Caribbean. Topics include genre and expectations; ideologies of originality and copying; discursive mixing; authenticity; wholeness and brokenness; translanguaging; the page, the codex and the digitas; and the economy of the imaginative subject.

ENGLISH 770	15 Points
Research Essays - Level 9	

Essays on a particular author, genre or theme.

ENGLISH 775	15 Points
Special Topic	

ENGLISH 780	30 Points
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ENGLISH 780A	15 Points
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ENGLISH 780B	15 Points
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Research Essay - Level 9

To complete this course students must enrol in ENGLISH 780 A and B, or ENGLISH 780

For students enrolled in a postgraduate programme in English.

ENGLISH 781	30 Points
Research Project - Level 9	

ENGLISH 787	30 Points
Literature USA: from the American Renaissance to the Jazz Age	

Examines a selection of classic texts and major issues in the literature of the United States from the American Renaissance of the 1840s and 1850s through to the Jazz Age of the 1920s and 1930s.

ENGLISH 789	60 Points
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ENGLISH 789A	30 Points
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ENGLISH 789B	30 Points
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Dissertation - Level 9

To complete this course students must enrol in ENGLISH 789 A and B, or ENGLISH 789

ENGLISH 792	45 Points
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ENGLISH 792A	22.5 Points
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ENGLISH 792B	22.5 Points
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Dissertation - Level 9

To complete this course students must enrol in ENGLISH 792 A and B, or ENGLISH 792

ENGLISH 793A	45 Points
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ENGLISH 793B	45 Points
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Thesis - Level 9

To complete this course students must enrol in ENGLISH 793 A and B

ENGLISH 796A	60 Points
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ENGLISH 796B	60 Points
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Thesis - Level 9

To complete this course students must enrol in ENGLISH 796 A and B

ENGLISH 797A	60 Points
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ENGLISH 797B	60 Points
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Research Portfolio - Level 9

To complete this course students must enrol in ENGLISH 797 A and B

English for Academic Purposes

Preparatory Courses

ENGLACP 20P	25 Points
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English for Academic Purposes Level 1

Extensive reading of academic texts; writing different types of essays and reports, summary reviews; developing editing and referencing skills, understanding and avoiding plagiarism; oral presentations and group discussion skills and strategies, including pronunciation; developing and consolidating academic vocabulary and grammar of written discourse; monitoring and evaluating own learning; mastery of using electronic and print media learning and reference resources; understanding different English accents.

Restriction: ENGLACP 40P

ENGLACP 30P**35 Points****English for Academic Purposes Level 2**

Extensive and intensive reading of extended academic texts; developing skills of analysing, synthesising and critical commentary; writing longer essays and reports (1000 words); integrating and referencing source material; proof-reading and editing; avoiding plagiarism; oral seminar presentations; listening and note-taking from lectures in a subject of choice; orientation to student support and learning resources at the University of Auckland.

Prerequisite: ENGLACP 20P

ENGLACP 40P**25 Points****English for Academic Purposes Level 3**

Extensive and intensive reading of extended academic texts at postgraduate level; developing skills of analysing, synthesising and critical commentary; writing longer essays and reports integrating and referencing source material; proof-reading and editing; avoiding plagiarism; oral seminar presentations and discussions; listening and note-taking from lectures; orientation to student support and learning resources at the University of Auckland.

Prerequisite: ENGLACP 30P

Restriction: ENGLACP 20P

ENGLACP 50P**30 Points****English for Undergraduate Studies**

Designed for learners of English who require a level of English language competency for academic study at an undergraduate level in an English-medium tertiary environment. The course covers extensive and intensive reading of extended academic texts; writing academic essays and reports; integrating and referencing source material; proof-reading and editing; oral presentations and group discussions; listening and note-taking from lectures. By the end of the course, students are expected to be able to understand texts at a B2/B2+ level and produce texts at a B2+ level.

Corequisite: ACADINT A01

ENGLACP 60P**30 Points****English for Postgraduate Studies**

Designed for learners of English who require a level of English language competency for academic study at a postgraduate level in an English-medium tertiary environment. The course covers extensive and intensive reading of extended academic texts; writing academic essays and reports; integrating and referencing source material; proof-reading and editing; oral presentations and seminar discussions; listening and note-taking from lectures. By the end of the course, students are expected to be able to understand texts at a B2+/C1 level and produce texts at a B2+/C1- level.

Corequisite: ACADINT A01

English Writing

Stage I**ENGWRIT 101****15 Points****English Writing for Academic Purposes**

A skills-based analysis of texts written for academic purposes. Topics include: essays of comparison and contrast, argumentative essays, problem solution texts, literature reviews, critiques, and report writing.

Restriction: ENGWRIT 94F

European Studies

Stage I**EUROPEAN 100****15 Points****Europe and the World**

An introduction to the study of Europe, organised around a number of major themes, including linguistic and ethnic groupings, historical periods, literary and cultural movements, religious and philosophical traditions, and political and cultural figures. An ideal course for students wishing to explore European culture and civilisation.

Stage II**EUROPEAN 200****15 Points****Screening Europe**

Europe's rich and distinctive film tradition provides an opportunity to examine issues of contemporary Europe and its individual nations. This course examines the sources, complexities and resonances of a number of European films and the ways in which they refer, directly or obliquely, to historical, social and political issues around the concept of Europe. The films shown will all be subtitled.

Prerequisite: 30 points passed in BA or BGlobalSt courses

Restriction: EUROPEAN 300

EUROPEAN 204**15 Points****Special Topic****EUROPEAN 206****15 Points****European Integration**

This cross-disciplinary course examines political, economic, social and cultural integration and its effects in the fabric of contemporary Europe. Issues addressed include identity, immigration and citizenship in Europe, and matters pertaining to the European Union: its political form, enlargement, foreign and security policy, economic and monetary policy, and the European constitution.

Prerequisite: 30 points passed at Stage I

Restriction: EUROPEAN 302

EUROPEAN 207**15 Points****European Drama: Greatest Hits**

Considers important themes and stylistic innovations in European drama through the study of a selection of great plays and playwrights from a number of European countries.

Prerequisite: 30 points passed in BA courses or Transnational Cultures and Creative Practice

Restriction: EUROPEAN 307

EUROPEAN 222**15 Points****European Cinema and The City**

Focuses on the vibrant dialogue on the relationship between European film as a cultural form and the city as social organisation, highlighting the many levels on which the two have been inextricably linked, from the end of the nineteenth century to the present.

Prerequisite: 30 points passed in BA or BGlobalSt courses

Restriction: EUROPEAN 322

EUROPEAN 277**15 Points****European Study Abroad 2A**

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

EUROPEAN 278 15 Points**European Study Abroad 2B**

Course taken at an approved academic institution abroad.
Prerequisite: EUROPEAN 277 and approval of Academic Head or nominee

Stage III**EUROPEAN 300** 15 Points**Screening Europe**

Europe's rich and distinctive film tradition provides an opportunity to examine issues of contemporary Europe and its individual nations. This course examines the sources, complexities and resonances of a number of European films and the ways in which they refer, directly or obliquely, to historical, social and political issues around the concept of Europe. The films shown will all be subtitled.

Prerequisite: 30 points at Stage II

Restriction: EUROPEAN 200

EUROPEAN 302 15 Points**European Integration**

This cross-disciplinary course examines political, economic, social and cultural integration and its effects in the fabric of contemporary Europe. Issues addressed include identity, immigration and citizenship in Europe, and matters pertaining to the European Union: its political form, enlargement, foreign and security policy, economic and monetary policy, and the European constitution.

Prerequisite: 30 points at Stage II

Restriction: EUROPEAN 206

EUROPEAN 305 15 Points**Special Topic**

Prerequisite: 30 points at Stage II in BA courses

EUROPEAN 307 15 Points**European Drama: Greatest Hits**

Considers important themes and stylistic innovations in European drama through the study of a selection of great plays and playwrights from a number of European countries.

Prerequisite: 30 points at Stage II in BA courses or Transnational Cultures and Creative Practice

Restriction: EUROPEAN 207

EUROPEAN 322 15 Points**European Cinema and The City**

Focuses on the vibrant dialogue on the relationship between European film as a cultural form and the city as social organisation, highlighting the many levels on which the two have been inextricably linked, from the end of the nineteenth century to the present.

Prerequisite: 30 points at Stage II

Restriction: EUROPEAN 222

EUROPEAN 377 15 Points**European Study Abroad 3A**

Course taken at an approved academic institution abroad.
Prerequisite: Approval of Academic Head or nominee

EUROPEAN 378 15 Points**European Study Abroad 3B**

Course taken at an approved academic institution abroad.
Prerequisite: EUROPEAN 377 and approval of Academic Head or nominee

Fine Arts

Stage I**FINEARTS 105** 15 Points**Special Topic****FINEARTS 109G** 15 Points**Introduction to Photographic Practice**

Introduces the methods, concepts and contemporary contexts of photographic practice alongside the development of a photographic portfolio. Students will use their own camera, (this can include cell phone cameras) to develop a portfolio of photographic work and explore the ways in which contemporary arts and cultural practices in Aotearoa enable a critical reflection on the production of images.

FINEARTS 110 15 Points**Introduction to Fine Arts Technologies**

Introduces students to a range of technical workshops and skills for artistic practice. Students will develop a set of technical competencies and build their capacity to think through making. Students will be inducted into best workshop practice, whakaute, health and safety protocols, and be assessed as safe workshop users while working under direct supervision.

FINEARTS 111 30 Points**Fine Arts Studio 1**

Through a series of three short studio-based projects, students will be introduced to key concepts and practices of painting, sculpture and social practice. Emphasises the acquisition of skills in conceptual thinking and the development of ideas, using a range of approaches to the making and presentation of artworks. Aspects of mātauranga Māori and its relationship to artmaking will also be introduced.

FINEARTS 112 30 Points**Fine Arts Studio 2**

Through a series of three short studio-based projects, students will be introduced to key concepts and practices of print, time-based arts, and photography. Emphasises the acquisition of skills in conceptual thinking and the development of ideas, using a range of approaches to the making and presentation of artworks. Aspects of mātauranga Māori and its relationship to artmaking will also be covered.

FINEARTS 113 15 Points**Ideas and Contexts for Creative Practice**

Introduces the ways the knowledge of contemporary art and ideas can enable an individual artistic practice. Students will discover and understand ideas relevant to contemporary art.

Stage II**FINEARTS 205** 15 Points**Creative Computing**

Introduces methods and concepts for engaging with computing as artistic practice. Students will learn fundamental principles of programming, work with generative and algorithmic processes, and explore approaches and ideas in the field of computational arts. No prior experience in coding is necessary.
Prerequisite: 30 points at Stage I

FINEARTS 211G Understanding Contemporary Fashion Design Investigates the relationship between fashion design and identity to build understanding of the increasing rapidity of clothing change as both the product of individual choice and the manifestation of a need for community. The emphasis will be on the consumption of fashion and its relationship to the human body with reference to fashion theory in the context of the broader literatures of gender, class and ethnicity. <i>Prerequisite:</i> 60 points passed	15 Points	FINEARTS 225 Time-Based: Action and Documentation Considers how documentation informs our understanding of time-based action and/or performance art and what might be done to retain and communicate the effects of a passing event. Students explore their own time-based practices and develop appropriate methods of documentation including video, photography, drawing, and sound recording. Students can work both collaboratively and individually, using documentation as a visual and conceptual tool for the creation of artworks. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points
FINEARTS 213 Special Topic	15 Points	FINEARTS 226 Photography: Digital Photography Covers the conceptual and practical possibilities of digital photography. Students will experiment with a wide range of image-making technologies including SLR digital cameras. Lighting considerations and a range of options for printing digital photos will be explored. Contemporary photographic practices will be covered within the context of global image circulation. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points
FINEARTS 214 Special Topic	15 Points	FINEARTS 227 Photography: Analogue Photography Provides students with an overview of analogue photographic processes. Students will gain skills in darkroom photography, including a practical understanding of film camera technologies, developing and printing processes, and the use of darkroom techniques to refine and manipulate photographic imagery. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points
FINEARTS 220 Nga Toi Taketake: Fibre and Textile Engages students with concepts, materials and methods of making that are indigenous to Aotearoa. Explores ways of developing and creating contemporary art in fibre and textile. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points	FINEARTS 228 Painting: Materiality and Process Considers the various ways in which actions, processes, and materials can shape a painting practice. Covers a range of painterly actions and a self-generated list of 'paint-related' verbs (to roll, to smudge, to scrape). Students will create a 'catalogue' of marks and manipulations of paint. They will then develop these ideas through a studio practice which explores abstraction, materiality, and considerations of form. A broad range of traditional, modern and expanded paint properties and mediums will be considered. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points
FINEARTS 221 Nga Toi Taketake: Kōhatu / Stone Engages students with concepts, materials and methods of making that are indigenous to Aotearoa. Explores ways of developing and creating contemporary art in kōhatu/stone. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points	FINEARTS 229 Painting: Painted Images Explores contemporary techniques of still life and representational painting as a means of re-thinking visual histories. Students will gather and arrange source materials and object references and explore a range of painted responses. Emphasises the construction and preparation of supports and surfaces, colour theory, and the methods and mediums that support painting practice. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points
FINEARTS 222 Printed Matter: Printmaking Explores contemporary printed matter. Students will work with a range of traditional printmaking technologies that may include monoprint, screen print, woodcut, and photogravure as well as expanded, experimental processes using digital and laser cutting technologies. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points	FINEARTS 230 Sculpture: Constructing and Fabricating Based in the metal and wood workshops, this course will guide students in the exploration of materials and construction processes. Develop sculptural works in metal	15 Points
FINEARTS 223 Printed Matter: Publication Introduces students to print publication as a site of contemporary practice exploring ways in which artists, designers, and activists have made use of the printed form as a social medium. Students will experiment with the format and materiality of printed media, and the experience of viewing, through the production of self-published works such as artist's books, posters, and zines. Technical workshops will develop skills in digital and hand-made print and production methods. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points		
FINEARTS 224 Time-Based: Moving Image Offers a practical exploration of moving image production. Students will learn camera techniques and editing skills to support the development of experimental video and audio while learning how digital workflow and project management can affect a creative outcome. Students can work collaboratively or individually, using a range of filmmaking equipment and editing software to create moving image works. <i>Prerequisite:</i> FINEARTS 110, and 111 or 112 <i>Corequisite:</i> FINEARTS 113	15 Points		

or wood. Students will use tools and techniques such as cutting, joining and welding.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 231 15 Points

Sculpture: Shaping and Casting

Engages with tactile processes of object-making and reproduction to create works of contemporary art using clay, wax, and other materials. Students will make reproductions of their handmade objects using a range of casting processes and explore how multiples impact the form and content of artworks.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 232 15 Points

Performance: Communication, Identity and Community

Focuses on performance art as a means of communication. Examines the ways in which performance can be integral to an artistic and cultural identity, contemporary life, and community.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 234 15 Points

Creative Careers: Pathways

Emphasises the practical aspects of establishing a career as a creative practitioner. Covers writing proposals, applications, artist's statements, and other practical tools for a creative career. Focuses on the ability to communicate ideas effectively to peers and professional networks.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 235 15 Points

Creative Careers: Making Exhibitions

Students will consider the types of roles and structures that exist in contemporary art worlds, with a focus on curatorial practice and exhibition making from the perspective of the artist. Engaging with the local art world, students will develop a critically informed exhibition proposal for a real-world context.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 236 15 Points

Drawing as Creative Thinking

An introduction to approaches to drawing and its relationship with contemporary practices in art and design, including digital and analogue drawing techniques. The course explores drawing as a conceptual method of thinking through making.

Prerequisite: 30 points at Stage 1

FINEARTS 240 30 Points

Indigeneity and Culture: Ko wai au?

Encourages the development and creation of artworks that explore whakapapa, whakawhanaungatanga, genealogy, and relationality as the foundation of creative practice in the contexts of Aotearoa and Te-Moana-Nui-a-Kiwa. Related indigenous methodologies and concepts will be explored.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 241 30 Points

Indigeneity and Culture: Power and Place

Explores and examines the ongoing impact of colonisation,

imperialism, and migration through art making. Related indigenous methodologies and concepts will be explored.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 242 30 Points

Image, Object and Materiality: What is an Image?

Addresses image-making in a digital world. Explores the relation between the fabrication of individual images and their circulation through mass media using different mediums. Reflection on the different ways artists might embrace or subvert the profusion of internet imagery.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 243 30 Points

Image, Object and Materiality: What is an Object?

Addresses object-making in a digital world. Responds to the immaterial condition of internet culture, students will generate sculptural objects that exist in real space. Reflection on materiality and mediation in contemporary culture.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 244 30 Points

Embodiment, Identity and Agency: Art and Audience

Explores the role of the audience through a creative project, as well as examining the work of artists and writers who have challenged assumptions about art production and reception. Aspects of cultural safety and the ethics of working with others will also be addressed.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 245 30 Points

Embodiment, Identity and Agency: Art and the Self

How is identity produced? Explores key concepts of fluidity, intersectionality, body image, fashion, gender and persona, in relation to photography, film, art, and fashion.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 246 30 Points

Systems, Ecologies and Environments: Art in the Anthropocene

Students will undertake a studio art project that responds to the challenges of the Anthropocene and climate change. The course explores related art and ideas from Aotearoa and overseas.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 247 30 Points

Systems, Ecologies and Environments: Embodied Nature

Explores our place as a species within a broader ecological framework. Enables students to reflect on the limitations proposed by ways of thinking that separate self from world. Through studio practice and artistic research, develops an enhanced awareness of and sensitivity to living systems.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 248 30 Points

Technology and Material Futures: Mixed Realities

Considers virtual and tactile methods of production in contemporary art. Investigates the tension where the physical and virtual worlds are woven together. In mixed realities, the line between analogue and digital artmaking is blurred. This course provides an opportunity to experiment with technologies which might include 3D printing, real-

time and interactive technologies, laser cutting, digital casting, and 3D scanning.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 249 30 Points

Technology and Material Futures: World-making

Focuses on the idea that a key driver of creative practice is the seeking out and imagining of alternative models for living, this course provides students with the opportunity to engage in world-making. Students generate and produce artworks that explore new worlds. Provides an understanding of how material affects and conceptual propositions work together to produce meaning in an artwork.

Prerequisite: FINEARTS 110, and 111 or 112

Corequisite: FINEARTS 113

FINEARTS 250 30 Points
Special Topic

Stage III

FINEARTS 306 15 Points
Special Topic

FINEARTS 308 45 Points
Studio Practice 3

Builds upon the conceptual, material, technical and contextual work undertaken in Studio Practice 2. Students will explore and develop a range of methodologies that will enable them to understand the principle of a self-directed practice. Students are required to pursue open-ended exploration and critical analysis within their studio work, with an emphasis on experimentation and reflexivity. Consists of a range of supervised briefs embracing media specific, interdisciplinary, Māori, local and global approaches to creating art works. Students will also engage in focused contextual study in an area relevant to their interests.

Prerequisite: FINEARTS 204, 207, 208

Restriction: FINEARTS 302, 304

FINEARTS 309 45 Points
Studio Practice 4

Extends the self-directed aspect of FINEARTS 308 through work on one or two long-term personal projects. A key focus is the identification of, and response to, a contextual issue or mode of practice relevant to contemporary art. Students will begin to develop an understanding of their own practice within the context of a wider field of local and international contemporary art practices. Students will also engage in focused contextual study in an area relevant to their interests.

Prerequisite: FINEARTS 308 or 310

Restriction: FINEARTS 303, 307

FINEARTS 320 15 Points
Creative Methods for Studio Practice

Explores methods for studio practice through an introduction to different approaches for making and thinking creatively. Methods are drawn from the visual arts as well as examples located in poetic, embodied and philosophical orientations to the world. Students apply these in relation to their artistic practice, as well as experiment with developing their own working methods.

Prerequisite: FINEARTS 110-113, 90 points from FINEARTS 205, 220-250

FINEARTS 321 45 Points

FINEARTS 321A 22.5 Points

FINEARTS 321B 22.5 Points

Fine Arts Studio 3: Capstone Project

A major studio art project that demonstrates an advanced level of practical, independent, inventive, and conceptual enquiry. Students will engage in research and studio investigation using tools, technologies, and methods appropriate to their chosen field or fields of enquiry.

Prerequisite: FINEARTS 320

Corequisite: FINEARTS 322

To complete this course students must enrol in FINEARTS 321 A and B, or FINEARTS 321

FINEARTS 322 15 Points

FINEARTS 322A 7.5 Points

FINEARTS 322B 7.5 Points

Research Essay: Making Sense of Practice

A response to the capstone project, this course focuses the research essay within relevant local, international, and historical fields of practice. Considers different ways of writing and discussing art, and how different types of art may be served by different forms of interpretation.

Prerequisite: FINEARTS 320

To complete this course students must enrol in FINEARTS 322 A and B, or FINEARTS 322

Stage IV

FINEARTS 406 30 Points

Special Topic

A development of Part III Studio courses in selected fields.

FINEARTS 407 30 Points

Special Topic

A development of Part III Studio courses in selected fields.

Postgraduate 700 Level Courses

FINEARTS 756A 60 Points

FINEARTS 756B 60 Points

Research Project - Level 9

A research project in fine arts and/or design.

To complete this course students must enrol in FINEARTS 756 A and B

FINEARTS 758 15 Points

Creative Practice Methodologies

A guided exploration of a range of key research methodologies relevant to contemporary art. Using a seminar format, this course will provide students with the research-specific, discursive and academic skills necessary for advanced creative practice.

Corequisite: FINEARTS 759

FINEARTS 759 45 Points

FINEARTS 759A 30 Points

FINEARTS 759B 15 Points

Studio

An advanced studio course in which students complete a significant studio art project that demonstrates a sustained level of practical and conceptual enquiry.

To complete this course students must enrol in FINEARTS 759 A and B, or FINEARTS 759

FINEARTS 761 30 Points

Contemporary Practice 1

A studio-based investigation of a specific medium of contemporary practice. Students will develop advanced conceptual capabilities in that medium and realise

finished works to an advanced standard. These specialised outcomes will be informed by complementary acquisition of advanced technical skills and theoretical knowledge in co-requisite courses focused on the same medium.

Corequisite: FINEARTS 762 or 763

FINEARTS 762 **15 Points**
Creative Technology 1

A workshop-based exploration of a specific medium of contemporary practice. Students will develop advanced technical skills in that medium as an area of targeted inquiry. These advanced skills will complement the attainment of specialised creative studio capabilities and advanced theoretical knowledge in co-requisite courses focused on the same medium.

FINEARTS 763 **15 Points**
Theories of Practice 1

A seminar-based interrogation of contemporary theories and contexts pertinent to a specific medium of contemporary practice. Students will develop an advanced understanding of key critical and contextual analysis in that medium. This understanding will complement the attainment of specialised creative studio capabilities and acquired advanced technical skills focused on the same medium.

FINEARTS 764 **30 Points**
Contemporary Practice 2

A studio-based investigation of a specific medium of contemporary practice. Students will develop advanced conceptual capabilities in that medium and realise finished works to an advanced standard. These specialised outcomes will be informed by complementary acquisition of advanced technical skills and theoretical knowledge in related courses focused on the same medium.

Corequisite: FINEARTS 765 or 766

FINEARTS 765 **15 Points**
Creative Technology 2

A workshop-based exploration of a specific medium of contemporary practice. Students will develop advanced technical skills in that medium as an area of targeted inquiry. These advanced skills will complement the attainment of specialised creative studio capabilities and advanced theoretical knowledge in co-requisite courses focused on the same medium.

FINEARTS 766 **15 Points**
Theories of Practice 2

A seminar-based interrogation of theories and contexts pertinent to a specific medium of contemporary practice. Students will develop an advanced understanding of key critical and contextual analysis in that medium. This understanding will complement the attainment of specialised creative studio capabilities and acquired advanced technical skills focused on the same medium.

FINEARTS 767 **30 Points**

FINEARTS 767A **15 Points**

FINEARTS 767B **15 Points**

Studio - Level 9

A supervised studio course in which students complete a significant studio art project producing an original outcome at an advanced level that demonstrates a sustained level of independent, practical and conceptual enquiry.

Corequisite: FINEARTS 782

To complete this course students must enrol in FINEARTS 767 A and B, or FINEARTS 767

FINEARTS 768 **45 Points**

Studio - Level 9

A supervised studio course in which students complete a significant studio art project producing an original outcome at an advanced level that demonstrates a sustained level of independent, practical and conceptual enquiry.

Corequisite: FINEARTS 769

FINEARTS 769 **15 Points**

Studio Practice Essay - Level 9

A supervised, independent research essay in which students evaluate and analyse their practice and its contexts to an advanced level.

FINEARTS 770 **15 Points**

Research Methodologies - Level 9

A guided exploration of key research methodologies relevant to contemporary art and art writing. Students draw upon these methodologies to inform and critically investigate their current and ongoing independent research in the discipline at an advanced level.

FINEARTS 779A **45 Points**

FINEARTS 779B **45 Points**

Studio - Level 9

A supervised, independent studio-based investigation of an aspect of contemporary art practice to an advanced level.

Prerequisite: FINEARTS 770 and 45 points from FINEARTS 761-769, or FINEARTS 790

Corequisite: FINEARTS 780

To complete this course students must enrol in FINEARTS 779 A and B

FINEARTS 780A **15 Points**

FINEARTS 780B **15 Points**

Studio Research Essay - Level 9

A supervised, independent research essay that critically investigates a topic of pertinence to an aspect of contemporary art practice.

To complete this course students must enrol in FINEARTS 780 A and B

FINEARTS 781A **60 Points**

FINEARTS 781B **60 Points**

Research Portfolio - Level 9

To complete this course students must enrol in FINEARTS 781 A and B

FINEARTS 782 **30 Points**

FINEARTS 782A **15 Points**

FINEARTS 782B **15 Points**

Research Essay - Level 9

A supervised, independent research essay of no more than 12,000 words that critically investigates a topic of pertinence to an aspect of contemporary art practice.

To complete this course students must enrol in FINEARTS 782 A and B, or FINEARTS 782

FINEARTS 790A **60 Points**

FINEARTS 790B **60 Points**

Research Project - Level 9

A research project focused on artistic or related outcomes. Individualised research-based programmes of study are supported through a range of studio critiques, various forms of group tutorials, technical workshops, reading groups, lectures and frequent one-to-one meetings with studio staff. Research projects are thus developed through an

integrated programme including studio practice, seminars, and/or written coursework and reading groups.

To complete this course students must enrol in FINEARTS 790 A and B

FINEARTS 795A 60 Points
FINEARTS 795B 60 Points

Research Portfolio - Level 9

A practice-based research project involving the exploration of themes in contemporary fine arts and design. The final submission of the project will be a presentation in the form of an exhibition, performance or other such outcome as approved by the Head of Fine Arts. The presentation will be supported by a written component that introduces topics and methodological directions relevant to the creative project.

Prerequisite: Departmental approval

To complete this course students must enrol in FINEARTS 795 A and B

FINEARTS 796A 60 Points
FINEARTS 796B 60 Points

Masters Studio - Level 9

An advanced studio based performance in fine arts and/or design.

Prerequisite: B or higher in FINEARTS 756 or 790 or 795

To complete this course students must enrol in FINEARTS 796 A and B

FINEARTS 797A 60 Points
FINEARTS 797B 60 Points

Fine Arts Thesis - Level 9

A thesis embodying the results obtained by the student of an original investigation or advanced study in fine arts and/or design.

Prerequisite: B or higher in FINEARTS 756 or 790 or 795

To complete this course students must enrol in FINEARTS 797 A and B

FINEARTS 798A 60 Points
FINEARTS 798B 60 Points

Fine Arts Research Portfolio - Level 9

An advanced research portfolio in fine arts and/or design.

Prerequisite: B or higher in FINEARTS 756 or 790 or 795

To complete this course students must enrol in FINEARTS 798 A and B

French

Stage I

FRENCH 101 15 Points
FRENCH 101G 15 Points

Introductory French Language 1

Introduces students to spoken and written French. It is delivered through two 90-minute sessions per week on campus, blended with an on-line component that uses up-to-date methodology and extensive multimedia materials. It is open to beginners or near beginners. Students who have achieved 24 recent credits in Level 1 NCEA French or 12-16 recent credits in Level 2 NCEA French (or equivalent previous study) should enrol in FRENCH 102. FRENCH 101 does not count towards a major in French. May not be taken if a more advanced language acquisition course in this subject has previously been passed.

FRENCH 102 15 Points
Introductory French Language 2

Further development of basic proficiency in everyday French

language to communicate in authentic situations. Delivered through two 90-minute sessions per week on campus, blended with on-line learning tasks that use interactive technology and extensive multimedia materials. A range of activities are used to develop speaking, listening, reading and writing skills and students' strategies for autonomous learning. Note: Students with NCEA level 2 French should enrol in this course. May not be taken if a more advanced language acquisition course in this subject has previously been passed.

Prerequisite: FRENCH 101, or approval of Academic Head or nominee

Stage II

FRENCH 203 15 Points
Intermediate French Language 1

Consolidates and expands previously acquired knowledge and skills to an intermediate proficiency in everyday authentic French language. Delivered through two 90-minute sessions per week on campus, blended with on-line learning tasks that use extensive multimedia materials. A range of activities are used to develop speaking, listening, reading and writing skills and students' strategies for autonomous learning. Note: Students with NCEA level 3 French should enrol in this course. May not be taken if a more advanced language acquisition course in this subject has previously been passed.

Prerequisite: FRENCH 102, or approval of Academic Head or nominee

FRENCH 204 15 Points
Intermediate French Language 2

Topic-based oral and written expression, aural and written comprehension in French, covering a wide range of personal and professional situations. This course is designed for students who have passed FRENCH 203 or 269. May not be taken if a more advanced language acquisition course in this subject has previously been passed.

Prerequisite: 15 points from FRENCH 203, 269, or approval of Academic Head or nominee

FRENCH 214 15 Points
French Linguistics

A presentation, in French, of key aspects of French linguistics relevant to the study and teaching of French as a first or second language, including phonetics, phonology, morphology and syntax. The course assumes no prior specialist knowledge of this field.

Prerequisite: 15 points from FRENCH 204, 269, 304

Restriction: FRENCH 314

FRENCH 229 15 Points
The French-speaking World

A study of culture in texts and films from France, North Africa, Africa, Canada, the Caribbean and the Pacific.

Prerequisite: 15 points from FRENCH 204, 269, 304

Restriction: FRENCH 329

FRENCH 241 15 Points
Reading French Literature

Introducing students to a variety of critical approaches, this course aims to provide a basic literary framework through the analysis of selected texts representing a range of genres and periods. Taught in French.

Prerequisite: 15 points from FRENCH 204, 269, 304

Restriction: FRENCH 379

FRENCH 244 15 Points Modern France: History and Culture An analysis of how France has been shaped by diverse historical and cultural legacies since the sixteenth century. Topics include the role of religion, the transformations of the State, the significance of Revolution, and the role of war and colonial expansion in modern French history. <i>Prerequisite:</i> 30 points at Stage I <i>Restriction:</i> FRENCH 231, 313, 344	FRENCH 306 15 Points Medieval French Language and Culture: Love and Laughter in the Middle Ages The main focus will be on language and literature, placing works in their historical and cultural contexts. <i>Prerequisite:</i> FRENCH 304 <i>Restriction:</i> FRENCH 706
FRENCH 269 15 Points French Language and Culture in Film and Literature A linguistic and cultural course taught entirely in French and designed to enhance students' aural, oral and written proficiency through the study of a series of recent films and literary texts that also shed light on important aspects of twentieth-century France. This course is designed for students with 24 credits in Level 3 NCEA French, or who have passed FRENCH 203. <i>Prerequisite:</i> 15 points from FRENCH 203, 204, 304, or approval of Academic Head or nominee <i>Restriction:</i> FRENCH 129	FRENCH 314 15 Points French Linguistics A presentation, in French, of key aspects of French linguistics relevant to the study and teaching of French as a foreign language, including phonetics, phonology, morphology and syntax. The course assumes no prior specialist knowledge of this field. <i>Prerequisite:</i> FRENCH 304 <i>Restriction:</i> FRENCH 214
FRENCH 277 15 Points French Study Abroad 2A Formal language study in an approved overseas institution where the language of instruction is French. <i>Prerequisite:</i> Permission of Academic Head or nominee	FRENCH 320 15 Points French Translation Practice A course for students wishing to develop skills in translation and to increase their proficiency in using French in a professional or business environment. <i>Prerequisite:</i> FRENCH 304 <i>Restriction:</i> FRENCH 720
FRENCH 278 15 Points French Study Abroad 2B Formal language study in an approved overseas institution where the language of instruction is French. <i>Prerequisite:</i> Approval of Academic Head or nominee	FRENCH 329 15 Points The French-speaking World A study of culture in texts and films from France, North Africa, Africa, Canada, the Caribbean and the Pacific. Taught in French. <i>Prerequisite:</i> FRENCH 304 <i>Restriction:</i> FRENCH 229
FRENCH 279 15 Points Special Topic: Panorama of the French Novel A study of the changing forms of the novel from the representations of the seventeenth century court in Madame de Lafayette's <i>La Princesse de Cleves</i> to the twentieth century experiments of the French 'new novelists'. Taught in French. <i>Prerequisite:</i> 15 points from FRENCH 204, 269, 304 <i>Restriction:</i> FRENCH 341, 741	FRENCH 331 15 Points Special Study in French A research project approved by the Academic Head. <i>Prerequisite:</i> FRENCH 304 and approval of Academic Head or nominee
Stage III	
FRENCH 302 15 Points Special Topic	FRENCH 341 15 Points Panorama of the French Novel A study of the changing forms of the novel from the representations of the seventeenth century court in Madame de Lafayette's <i>La Princesse de Clèves</i> to the twentieth century experiments of the French 'new novelists'. Taught in French. <i>Prerequisite:</i> FRENCH 304 <i>Restriction:</i> FRENCH 279, 741
FRENCH 304 15 Points Advanced French Language 1 Strengthens students' command of reading, writing, speaking and listening in French. Organised thematically and uses both textual and audiovisual material to introduce students to a range of communicative registers. May not be taken if a more advanced language acquisition course in this subject has previously been passed. <i>Prerequisite:</i> FRENCH 204	FRENCH 344 15 Points Modern France: History and Culture An analysis of how France has been shaped by diverse historical and cultural legacies since the sixteenth century. Topics include the role of religion, the transformations of the State, the significance of revolution, and the role of war and colonial expansion in modern French history. <i>Prerequisite:</i> 30 points at Stage II <i>Restriction:</i> FRENCH 231, 244, 313
FRENCH 305 15 Points Advanced French Language 2 Further extends students' French language skills through textual and audio-visual material, enabling them to attain a high level of oral and written proficiency. <i>Prerequisite:</i> FRENCH 304	FRENCH 377 15 Points French Study Abroad 3A Formal language study in an approved overseas institution where the language of instruction is French. <i>Prerequisite:</i> Approval of Academic Head or nominee
	FRENCH 378 15 Points French Study Abroad 3B Formal language study in an approved overseas institution where the language of instruction is French. <i>Prerequisite:</i> Approval of Academic Head or nominee

FRENCH 379 15 Points
Special Topic: Reading French Literature
 Introducing students to a variety of critical approaches, this course aims to provide a basic literary framework through the analysis of selected texts representing a range of genres and periods. Taught in French.
Prerequisite: FRENCH 304
Restriction: FRENCH 241

Postgraduate 700 Level Courses

FRENCH 701 30 Points
Old French: The Medieval Romance
 The evolving medieval French romance with particular emphasis on the *Roman de la Rose* as the quintessential medieval study of human nature.

FRENCH 704 15 Points
Special Topic

FRENCH 705 30 Points
Advanced Language
 Advanced language practice in French, with emphasis on close-reading, textual summary and synthesis of both aural and written texts. French techniques of writing will be studied and students will apply these in written assignments.
Prerequisite: FRENCH 305 or placement test and approval of Academic Head or nominee
Restriction: FRENCH 702, 703

FRENCH 706 30 Points
Medieval French Literature and Culture: Love and Laughter in the Middle Ages
 The main focus will be on language and literature, placing works in their historical and cultural contexts.
Restriction: FRENCH 306

FRENCH 707 15 Points
Specialised French Translation 1
 Theoretical approaches to translation will be taught through the study of specific authentic texts. Students will use both theoretical and practical knowledge to analyse and produce professional quality translations in a specialised field. Fields covered will be chosen from: literary translation, indigenous Francophone texts, sub-titling for film and television, marketing and advertising, technical and legal or other highly specialised texts.

FRENCH 708 15 Points
Specialised French Translation 2
 Theoretical approaches to translation will be taught through the study of specific authentic texts. Students will use both theoretical and practical knowledge to analyse and produce professional quality translations in a specialised field. Fields covered will be chosen from: literary translation, indigenous Francophone texts, sub-titling for film and television, marketing and advertising, technical and legal or other highly specialised texts.

FRENCH 710 30 Points
FRENCH 710A 15 Points
FRENCH 710B 15 Points

Special Topic
 To complete this course students must enrol in FRENCH 710 A and B, or FRENCH 710

FRENCH 711 15 Points
Theory and Text
 Survey of the most important twentieth-century French literary critics and critical movements. Taught in English.

FRENCH 715 15 Points
Special Topic
FRENCH 720 30 Points
FRENCH 720A 15 Points
FRENCH 720B 15 Points

Advanced French Translation
 A study of translation theory and intensive practice in the translation of a variety of texts.
Restriction: FRENCH 320
 To complete this course students must enrol in FRENCH 720 A and B, or FRENCH 720

FRENCH 725 30 Points
FRENCH 725A 15 Points
FRENCH 725B 15 Points
Special Topic
 To complete this course students must enrol in FRENCH 725 A and B, or FRENCH 725

FRENCH 727 30 Points
Special Topic

FRENCH 729 30 Points
Gender and Culture: Perspectives from the French-speaking World
 A comparative study of the relation between gender and culture in selected sources: films, novels, personal and theoretical writings, from France, North Africa, the Caribbean, Africa, the French-speaking Pacific and Quebec.
Restriction: FRENCH 329

FRENCH 750 15 Points
FRENCH 750A 7.5 Points
FRENCH 750B 7.5 Points
Special Study
 Supervised research on a topic or topics approved by the Academic Head or nominee.
 To complete this course students must enrol in FRENCH 750 A and B, or FRENCH 750

FRENCH 751 30 Points
FRENCH 751A 15 Points
FRENCH 751B 15 Points
Special Study
 Supervised research on a topic or topics approved by the Academic Head or nominee.
 To complete this course students must enrol in FRENCH 751 A and B, or FRENCH 751

FRENCH 752 15 Points
FRENCH 752A 7.5 Points
FRENCH 752B 7.5 Points
Special Study
 Supervised research on a topic or topics approved by the Academic Head or nominee.
 To complete this course students must enrol in FRENCH 752 A and B, or FRENCH 752

FRENCH 753 30 Points
FRENCH 753A 15 Points
FRENCH 753B 15 Points
Special Study
 Supervised research on a topic or topics approved by the Academic Head or nominee.
 To complete this course students must enrol in FRENCH 753 A and B, or FRENCH 753

FRENCH 777	15 Points
Study Abroad	
Formal study in an approved overseas university where the language of instruction is French. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.	
FRENCH 778	15 Points
Study Abroad	
Formal study in an approved overseas university where the language of instruction is French. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.	
FRENCH 785	45 Points
FRENCH 785A	22.5 Points
FRENCH 785B	22.5 Points
Dissertation - Level 9	
To complete this course students must enrol in FRENCH 785 A and B, or FRENCH 785	
FRENCH 790	30 Points
FRENCH 790A	15 Points
FRENCH 790B	15 Points
Research Project - Level 9	
To complete this course students must enrol in FRENCH 790 A and B, or FRENCH 790	
FRENCH 791	60 Points
FRENCH 791A	30 Points
FRENCH 791B	30 Points
Dissertation - Level 9	
To complete this course students must enrol in FRENCH 791 A and B, or FRENCH 791	
FRENCH 792	45 Points
FRENCH 792A	22.5 Points
FRENCH 792B	22.5 Points
Dissertation - Level 9	
To complete this course students must enrol in FRENCH 792 A and B, or FRENCH 792	
FRENCH 793A	45 Points
FRENCH 793B	45 Points
Thesis - Level 9	
To complete this course students must enrol in FRENCH 793 A and B	
FRENCH 796A	60 Points
FRENCH 796B	60 Points
Thesis - Level 9	
To complete this course students must enrol in FRENCH 796 A and B	
FRENCH 797A	60 Points
FRENCH 797B	60 Points
Research Portfolio - Level 9	
To complete this course students must enrol in FRENCH 797 A and B	

Gender Studies

Stage I

GENDER 101 **15 Points**

GENDER 101G **15 Points**

Gender: Global and Local

Develops an understanding of key concepts that underlie gender analysis, and how they are expressed in politics, culture and society. Examines the meaning of gender across a range of subjects and issues on the global stage and in our everyday lives.

Restriction: GENDER 100

Stage II

GENDER 206 **15 Points**

Special Topic

Prerequisite: 30 points passed

GENDER 207 **15 Points**

Special Topic

Prerequisite: 30 points passed

GENDER 208 **15 Points**

Thinking Gender

Interdisciplinary examination of feminist theories of gender and sexuality. Focuses on contemporary issues, debates, and practices, while grounding them in foundational theories and investigating how these issues and debates play out across disciplines and practices. Examples include the perils of identity politics, tensions between feminist and queer theories, the politics of representation, and gender justice in a globalised world.

Prerequisite: 30 points passed

Restriction: GENDER 308

GENDER 211 **15 Points**

Transgender and the Queering of Sexuality

Considers challenges of being transgender, coming out and queering sex/gender normativity. Transgender theory is deployed to analyse and interrogate material and subjective aspects of transgender, including generational attitudinal changes and the implications for capitalism, politics, culture and society. Draws on psychoanalytic-influenced theories to question and queer human sexuality, libidinal investments in masculine domination and sex/gender essentialism.

Prerequisite: 30 points passed at Stage I

Restriction: GENDER 311

Stage III

GENDER 300 **15 Points**

Special Topic

GENDER 301 **15 Points**

Gender, Sex and Commodification

Focuses on current and controversial issues at the intersections of sex and gender and their co-construction. Issues will be approached from contemporary feminist and queer theory perspectives. Various topics are critically examined in both theoretical and practical terms, such as co-constructions of gender and sexualities in pornography and advertising, technologies and reproduction, representations of transgender bodies/identities, and the selling of cybersex.

Prerequisite: 30 points at Stage II in Communication, Gender Studies, or Sociology

Restriction: SOCIOL 324

GENDER 306 15 Points**Theory into Practice: Gender, Culture, and Social Change**

Takes a critical approach to social change by exploring the relationship between gender and other structures of inequality such as sexuality; class; ethnicity/race; and culture. Through collective readings and independent research, students will interrogate how gender inequality is re-produced, contested and/or transformed through a mix of literature, visual representations, media texts, social movements, everyday practices and interactions, and policy.

Prerequisite: 30 points at Stage II in Gender Studies, or 15 points at Stage II in Gender Studies and 30 points passed at Stage II in BA courses

GENDER 307 15 Points
Special Topic

Prerequisite: 30 points at Stage II

Restriction: WOMEN 307

GENDER 311 15 Points
Transgender and the Queering of Sexuality

Considers challenges of being transgender, coming out and queering sex/gender normativity. Transgender theory is deployed to analyse and interrogate material and subjective aspects of transgender, including generational attitudinal changes and the implications for capitalism, politics, culture and society. Draws on psychoanalytic-influenced theories to question and queer human sexuality, libidinal investments in masculine domination and sex/gender essentialism.

Prerequisite: 30 points passed at Stage II

Restriction: GENDER 211

Postgraduate 700 Level Courses**GENDER 700** 30 Points
Critical Theories and Methods in Gender Studies

Engages, using an interdisciplinary approach, critical theories and epistemological debates in gender studies; provides grounding in key gender studies methods and methodologies; traces the evolution in approaches to gender from early feminist scholarship to the present; requires independent research and application of theories and methods.

GENDER 701 30 Points**GENDER 701A** 15 Points**GENDER 701B** 15 Points**Special Study**

To complete this course students must enrol in GENDER 701 A and B, or GENDER 701

GENDER 705 15 Points
Special Topic**GENDER 706** 15 Points
Special Topic**GENDER 780** 30 Points**GENDER 780A** 15 Points**GENDER 780B** 15 Points**Research Project**

Restriction: GENDER 785

To complete this course students must enrol in GENDER 780 A and B, or GENDER 780

GENDER 785 45 Points**GENDER 785A** 22.5 Points**GENDER 785B** 22.5 Points**Dissertation - Level 9**

To complete this course students must enrol in GENDER 785 A and B, or GENDER 785

GENDER 793 60 Points**GENDER 793A** 30 Points**GENDER 793B** 30 Points**Dissertation - Level 9**

To complete this course students must enrol in GENDER 793 A and B, or GENDER 793

GENDER 796A 60 Points**GENDER 796B** 60 Points**Thesis - Level 9**

To complete this course students must enrol in GENDER 796 A and B

GENDER 797A 60 Points**GENDER 797B** 60 Points**Research Portfolio - Level 9**

To complete this course students must enrol in GENDER 797 A and B

German

Stage I**GERMAN 101** 15 Points**GERMAN 101G** 15 Points**German Language Introductory 1**

Written and oral use of German for students with no previous knowledge of the language or with fewer than 16 credits in NCEA Level 2 German.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

GERMAN 102 15 Points**German Language Introductory 2**

Written and oral use of German. Assumes that students have passed GERMAN 101 or have at least 16 credits in NCEA Level 2 German.

Prerequisite: GERMAN 101 or approval of Academic Head or nominee

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

GERMAN 178 15 Points**German Study Abroad I**

Course of at least 3 weeks in length and 60 taught hours on German language and/or culture to be taken at an approved academic institution in a German-speaking country.

Prerequisite: Approval of Academic Head or nominee

Stage II**GERMAN 200** 15 Points**German Language Intermediate 1**

Written and oral use of German. Assumes that students have passed GERMAN 102 or have achieved in all standards entered for German NCEA Level 3 or gained grade average 50 or above, or have acquired language competence through a stay or exchange in a German-speaking country.

Prerequisite: GERMAN 102 or approval of Academic Head or nominee

Restriction: GERMAN 104. May not be taken if a more advanced language acquisition course in this subject has previously been passed

GERMAN 201 German Language Intermediate 2 Written and oral use of German. <i>Prerequisite:</i> GERMAN 104 or 200 <i>Restriction:</i> May not be taken if a more advanced language acquisition course in this subject has previously been passed	15 Points	understanding of German teaching and learning, including concepts and theories behind second language learning, individual differences, learning needs, approaches to strengthen learner autonomy as well as methods and principles of teaching German. <i>Prerequisite:</i> GERMAN 201 or equivalent <i>Restriction:</i> GERMAN 314
GERMAN 202 Special Topic: Topics in German Culture and Language A critical exploration of important issues in German Studies. The first part investigates German language studies, including the specifics of written and oral German, contrastive linguistics, dialects and varieties, German as a minority language (including in the South Pacific), youth language, and German online-communication. The second part examines modern German social and cultural history through works of literature and film. <i>Prerequisite:</i> GERMAN 102 <i>Restriction:</i> GERMAN 392	15 Points	GERMAN 230 German Cinema from Murnau to Riefenstahl A close analysis of film from the Weimar Republic and the Third Reich as seen against the political and social upheavals of the time with an emphasis on the role of gender and the portrayal of gender in film. <i>Prerequisite:</i> Any 30 points passed in BA courses <i>Restriction:</i> GERMAN 314
GERMAN 207 Modern Germany: A century of social change An overview of German society from 1914 to the present, exploring social change in late Imperial Germany the Weimar Republic, Nazi Germany, and the reconstruction of both East and West Germany. Considers issues such as state surveillance, political terrorism, social impacts of German unification, globalisation, and Germany's role within Europe. No knowledge of German is required. <i>Prerequisite:</i> 60 points passed <i>Restriction:</i> GERMAN 307	15 Points	GERMAN 277 German Study Abroad 2A Course taken at an approved academic institution abroad. <i>Prerequisite:</i> Approval of Academic Head or nominee
GERMAN 210 20th Century German Literature Literary criticism of aspects of twentieth century drama, prose and/or poetry. <i>Prerequisite:</i> 45 points in German <i>Restriction:</i> GERMAN 320	15 Points	GERMAN 278 German Study Abroad 2B Course taken at an approved academic institution abroad. <i>Prerequisite:</i> GERMAN 277 and approval of Academic Head or nominee
GERMAN 211 Contemporary German Literature A study of post-1990 German literary texts as well as their social and political environment. Topics include: literary responses to a newly developing national identity, literary reconstructions of life in the GDR, literary representations of a united Germany by immigrants, Jewish identity in a united Germany. Authors considered include Jens Sparschuh, Monika Maron, Barbara Honigmann, Stefan Heym and others. <i>Prerequisite:</i> 45 points in German <i>Restriction:</i> GERMAN 303	15 Points	GERMAN 290 Special Topic
GERMAN 212 Special Study in German A topic arranged and approved by the Academic Head or nominee. <i>Prerequisite:</i> Approval of Academic Head or nominee	15 Points	GERMAN 291 Central Europe and the South Pacific A study of the German connection with New Zealand, with special reference to the arts and sciences, German-speaking settlements in the nineteenth century, and German and Austrian refugees in the twentieth century. <i>Prerequisite:</i> 45 points in German <i>Restriction:</i> GERMAN 391
GERMAN 213 Introduction to German Linguistics Introduction to the linguistic side of Modern German, examining some of its different varieties (spoken vs written, sociolects etc) and some recent changes the language has undergone in its structure. <i>Prerequisite:</i> GERMAN 102 <i>Restriction:</i> GERMAN 313	15 Points	Stage III
GERMAN 214 Teaching German as a foreign language Provides an overview of teaching and learning German as a second or heritage language. Students gain a solid	15 Points	GERMAN 301 German Language Advanced 1 Enables students to understand the main ideas of a wide range of complex texts on both concrete and abstract topics and to increase fluency both in oral and written communication. Brings students from proficiency level B1 to B2.1. The course is taught in German. <i>Prerequisite:</i> GERMAN 201 or 203 <i>Restriction:</i> May not be taken if a more advanced language acquisition course in this subject has previously been passed
		GERMAN 302 German Language Advanced 2 German language acquisition at an advanced level. Advances students from B2.1 level to B2.2 level, i.e., completes the B2 proficiency stage in all four skills: reading, writing, speaking and listening. The course is taught in German. <i>Prerequisite:</i> GERMAN 301
		GERMAN 303 Contemporary German Literature A study of post-1990 German literary texts as well as their social and political environment. Topics include: literary responses to a newly developing national identity, literary reconstructions of life in the GDR, literary representations of a united Germany by immigrants, Jewish identity in a united Germany. Authors considered include Jens

Sparschuh, Monika Maron, Barbara Honigmann, Stefan Heym and others.

Prerequisite: GERMAN 201

Restriction: GERMAN 211

GERMAN 305 15 Points
Translation

The theory, practice and critical evaluation of translation, principally of texts translated from German into English. Not intended for students enrolled in the Postgraduate Diploma in Translation Studies.

Prerequisite: GERMAN 301

GERMAN 306 15 Points
Language Acquisition C1

Offers language tuition in the German language on the C1 level of the European Reference Framework for language acquisition courses.

Prerequisite: GERMAN 302

Restriction: GERMAN 701, 703

GERMAN 307 15 Points
Modern Germany: A century of social change

An overview of German society from 1914 to the present, exploring social change in late Imperial Germany, the Weimar Republic, Nazi Germany, and the reconstruction of both East and West Germany. Considers issues such as state surveillance, political terrorism, social impacts of German unification, globalisation, and Germany's role within Europe. No knowledge of German is required.

GERMAN 310 15 Points
Classicism, Romanticism, Realism

Literary criticism of selected major works of German literature of the eighteenth and nineteenth centuries.

Prerequisite: 45 points above Stage I in German

GERMAN 312 15 Points
Directed Reading and Research

Supervised research projects.

Prerequisite: Approval of Academic Head or nominee

GERMAN 313 15 Points
Introduction to German Linguistics

Introduction to the linguistic side of Modern German, examining some of its different varieties (spoken vs written, sociolects etc) and some recent changes the language has undergone in its structure.

Prerequisite: GERMAN 201

Restriction: GERMAN 213

GERMAN 314 15 Points
Teaching German as a Foreign Language

Provides an overview of teaching and learning German as a second or heritage language. Students gain a solid understanding of German teaching and learning, including concepts and theories behind second language learning, individual differences, learning needs, approaches to strengthen learner autonomy as well as methods and principles of teaching German.

Prerequisite: GERMAN 301 or equivalent

Restriction: GERMAN 214

GERMAN 320 15 Points
20th Century German Literature

Examines key literary works of prose, poetry and drama against the backdrop of major cultural, social and political shifts in Germany during the twentieth century. Two World Wars, the Weimar Republic, a divided and reunited

Germany will be a special focus of the texts examined in this course.

Prerequisite: GERMAN 201

Restriction: GERMAN 210

GERMAN 331 15 Points
German Cinema from Murnau to Riefenstahl

A close analysis of film from the Weimar Republic and the Third Reich as seen against the political and social upheavals of the time with an emphasis on the role of gender and the portrayal of gender in film.

Prerequisite: 30 points passed in German above Stage I

Restriction: GERMAN 230

GERMAN 377 15 Points
German Study Abroad 3A

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

GERMAN 378 15 Points
German Study Abroad 3B

Course taken at an approved academic institution abroad.

Prerequisite: GERMAN 377 and approval of Academic Head or nominee

GERMAN 391 15 Points
Central Europe and the South Pacific

A study of the German connection with New Zealand, with special reference to the arts and sciences, German-speaking settlements in the nineteenth century, and German and Austrian refugees in the twentieth century.

Prerequisite: GERMAN 201

Restriction: GERMAN 291

GERMAN 392 15 Points
Special Topic: Topics in German Culture and Language

A critical exploration of important issues in German Studies. The first part investigates German language studies, including the specifics of written and oral German, contrastive linguistics, dialects and varieties, German as a minority language (including in the South Pacific), youth language, and German online-communication. The second part examines modern German social and cultural history through works of literature and film.

Prerequisite: GERMAN 201

Restriction: GERMAN 202

GERMAN 393 15 Points
Special Topic

Prerequisite: GERMAN 201

GERMAN 394 15 Points
Special Topic

Prerequisite: GERMAN 201

Postgraduate 700 Level Courses

GERMAN 703 15 Points
German Language C1.1

Offers language tuition in the German language on the C1 level of the European Reference Framework for language acquisition courses with a focus on the students' reading and writing skills.

Prerequisite: GERMAN 302

Restriction: GERMAN 701

GERMAN 707 30 Points
German Language C1

Offers language tuition in the German language on the full

C1 level of the European Reference Framework for language acquisition courses.

Prerequisite: GERMAN 302 or equivalent

Restriction: GERMAN 306, 703, 777, 778

GERMAN 710 15 Points

Topics in German Literature and Culture Studies

Topics related to German literature and culture studies.

Prerequisite: GERMAN 301 or equivalent

Restriction: GERMAN 713

GERMAN 713 30 Points

Issues in German Literature and Culture Studies

In-depth analysis of topics related to German literature and culture studies.

Prerequisite: GERMAN 301 or equivalent

Restriction: GERMAN 710

GERMAN 721 15 Points

Special Topic in Germanic Studies

An academic topic arranged and approved by the Academic Head or nominee.

GERMAN 728 15 Points

Special Topic

GERMAN 729 15 Points

Special Topic in Germanic Studies

An academic topic arranged and approved by the Academic Head or nominee.

GERMAN 730 15 Points

Special Topic

GERMAN 731 30 Points

Special Topic

GERMAN 732 30 Points

Special Topic

GERMAN 733 15 Points

Topics in German Linguistics and Applied Linguistics

Topics related to German linguistics and applied linguistics.

Prerequisite: GERMAN 301 or equivalent

Restriction: GERMAN 734

GERMAN 734 30 Points

Issues in German Linguistics and Applied Linguistics

In-depth analysis of topics in German linguistics and applied linguistics.

Prerequisite: GERMAN 301 or equivalent

Restriction: GERMAN 733

GERMAN 735 15 Points

Special Topic in German Linguistics

An academic topic arranged and approved by the Academic Head or nominee.

GERMAN 741 30 Points

GERMAN 741A 15 Points

GERMAN 741B 15 Points

German Translation Project

Having learned to translate a wide variety of text categories, registers and genres, the student will focus on one major translation project. The project will include: client involvement to establish a brief, research, documentation, production and reflection.

To complete this course students must enrol in GERMAN 741 A and B, or GERMAN 741

GERMAN 750 15 Points

Special Study

Supervised research essays on a topic or topics approved by the Academic Head or nominee.

Prerequisite: Approval of Academic Head or nominee

GERMAN 751 30 Points

Special Study

Supervised research essays on a topic or topics approved by the Academic Head or nominee.

Prerequisite: Approval of Academic Head or nominee

GERMAN 777 15 Points

Study Abroad

Formal study in an approved overseas university where the language of instruction is German. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.

Restriction: GERMAN 707

GERMAN 778 15 Points

Study Abroad

Formal study in an approved overseas university where the language of instruction is German. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.

Restriction: GERMAN 707

GERMAN 780 30 Points

GERMAN 780A 15 Points

GERMAN 780B 15 Points

Research Project - Level 9

To complete this course students must enrol in GERMAN 780 A and B, or GERMAN 780

GERMAN 791 60 Points

GERMAN 791A 30 Points

GERMAN 791B 30 Points

Dissertation - Level 9

To complete this course students must enrol in GERMAN 791 A and B, or GERMAN 791

GERMAN 792 45 Points

GERMAN 792A 22.5 Points

GERMAN 792B 22.5 Points

Dissertation - Level 9

A dissertation with a suggested maximum of 15,000 words. *To complete this course students must enrol in GERMAN 792 A and B, or GERMAN 792*

GERMAN 793A 45 Points

GERMAN 793B 45 Points

Thesis - Level 9

To complete this course students must enrol in GERMAN 793 A and B

GERMAN 796A 60 Points

GERMAN 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in GERMAN 796 A and B

GERMAN 797A 60 Points
GERMAN 797B 60 Points
Research Portfolio - Level 9
 To complete this course students must enrol in GERMAN 797 A and B

Global Studies

Stage I

GLOBAL 101 15 Points

GLOBAL 101G 15 Points

Global Issues, Sustainable Futures

The basis for sustainability – social issues such as population and consumption, environmental issues such as climate change, limited resources and environmental degradation. Discusses the roles that various disciplines (law, business, engineering and urban planning) will play in developing solutions, including consideration of human rights and good governance, new concepts in economics and business management which will lead to sustainable businesses, developments in science and technology which will change how we manage resources and new visions for cities and communities which will support sustainable ways of life.

Restriction: GENED 101G

GLOBAL 102 15 Points

Introduction to Global Studies

Focuses on transdisciplinary frameworks underpinning the field and uses case studies to illustrate its key concepts. Explores global studies as a critical field of inquiry and covers transdisciplinary themes from the four major streams in global studies.

Stage II

GLOBAL 200 15 Points

Global Challenges

Engages with real-world challenges that evoke key global studies themes such as global economic complexity and interdependence; globalisation and identity; cyberspace and netizenship; environmental and health challenges; global citizenship and responsibility. A workshop-based format prioritises teamwork where students produce a joint project in response to their chosen challenge. Provides research methods training to enable students to produce a research proposal for their capstone project.

Prerequisite: GLOBAL 100 or 102

GLOBAL 201 15 Points

Special Topic

Prerequisite: 60 points at Stage I in Global Studies

GLOBAL 202 15 Points

Special Topic

Prerequisite: 60 points at Stage I in Global Studies

GLOBAL 204 15 Points

Global Issues Through the European Arts

Investigates how artistic productions from different European traditions engage with and shape the world's most pressing global issues. Considers the socio-political and cultural context of such productions, their ideological orientation and limitations. Uses case studies on the transnational dimensions of migration and exile, unsustainable environmental development, financial and

health inequality, sexual slavery and drug trafficking, gender equality and political conflicts.

Prerequisite: 60 points passed in Global Studies

Restriction: GLOBAL 304

GLOBAL 250 15 Points

Special Topic: Social Entrepreneurship and Systems Change

Explores the role of social entrepreneurship in addressing global challenges through systems change. Students will critically and creatively examine how social enterprises balance financial, social, and environmental goals while navigating complex systems. Through case studies and guest speakers, students will develop a nuanced understanding of social entrepreneurship's potential and limitations for systemic transformation.

Prerequisite: 60 points at Stage I in Global Studies

GLOBAL 251 15 Points

Migration in the Americas

Examines migration in the Americas by exploring the responses of local communities and peoples in Central and South America to international involvement. Discusses the role of global power (and super power) in the region, the connections between historic US action and contemporary migration, and the ways these intersect with issues such as indigenous rights, self-governance and environmental activism.

Prerequisite: 60 points passed at Stage I

Restriction: GLOBAL 351

GLOBAL 252 15 Points

Asian Cities: Growth and Transition

Explores urbanisation and development in Asia as processes from a variety of disciplinary approaches to provide a comprehensive global studies analysis of these interrelated concepts. Focuses on critical topics such as pollution, housing, labour, gender, mobility, and education. The geographical breadth of the course covers East, Southeast, and South Asia.

Prerequisite: 60 points passed at Stage I

Restriction: GLOBAL 352

GLOBAL 277 15 Points

Study Abroad 2A

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

GLOBAL 278 15 Points

Study Abroad 2B

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

GLOBAL 279 15 Points

Study Abroad 2C

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

GLOBAL 280 15 Points

Study Abroad 2D

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

Stage III

GLOBAL 300 15 Points

Going Global

Provides the opportunity for the synthesis and application of skills and knowledge developed throughout the degree programme. Students complete a variety of research,

community and policy projects concerning the ethics, practise and commitment/community of Global Studies.
Prerequisite: GLOBAL 200

GLOBAL 301 15 Points

Special Topic: Humanitarian Interventions

Traces the rise and fall of the humanitarian narrative and examines how humanitarianism - along with other key words such as crisis, emergency, and intervention - has become one of the organising categories of political action and order. Explores the possibilities and limits of intervening in the lives of individuals and communities grounded upon discourses of compassion.

Prerequisite: 60 points at Stage II in Global Studies

GLOBAL 302 15 Points

Special Topic

Prerequisite: 60 points at Stage II in Global Studies

GLOBAL 304 15 Points

Global Issues Through the European Arts

Investigates how artistic productions from different European traditions engage with and shape the world's most pressing global issues. Considers the socio-political and cultural context of such productions, their ideological orientation and limitations. Uses case studies on the transnational dimensions of migration and exile, unsustainable environmental development, financial and health inequality, sexual slavery and drug trafficking, gender equality and political conflicts.

Prerequisite: 60 points passed in Global Studies

Restriction: GLOBAL 204

GLOBAL 350 15 Points

Special Topic

Prerequisite: 60 points at Stage II in Global Studies

GLOBAL 351 15 Points

Migration in the Americas

Examines migration in the Americas by exploring the responses of local communities and peoples in Central and South America to international involvement. Discusses the role of global power (and super power) in the region, the connections between historic US action and contemporary migration, and the ways these intersect with issues such as indigenous rights, self-governance and environmental activism.

Prerequisite: 30 points passed at Stage II

Restriction: GLOBAL 251

GLOBAL 352 15 Points

Asian Cities: Growth and Transition

Explores urbanisation and development in Asia as processes from a variety of disciplinary approaches to provide a comprehensive global studies analysis of these interrelated concepts. Focuses on critical topics such as pollution, housing, labour, gender, mobility, and education. The geographical breadth of the course covers East, Southeast, and South Asia.

Prerequisite: 30 points passed at Stage II

Restriction: GLOBAL 252

GLOBAL 377 15 Points

Study Abroad 3A

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

GLOBAL 378 15 Points

Study Abroad 3B

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

GLOBAL 379 15 Points

Study Abroad 3C

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

GLOBAL 380 15 Points

Study Abroad 3D

Course taken at an approved academic institution abroad.

Prerequisite: Approval of Academic Head or nominee

Postgraduate 700 Level Courses

GLOBAL 700 30 Points

Themes in Global Studies

Critically reviews the field of Global studies from an advanced theoretical perspective. Readings explore key concepts such as globalisation/antiglobalisation, inequality, transnationalism, labour, the environment, and public health. Emphasis on transdisciplinary theories concerning human rights, environmental sustainability, global business, Māori and indigenous issues, and cultural industries.

GLOBAL 701 30 Points

Contemporary Issues in Global Studies

Considers the current landscape of Global Studies at the intersection of theory and case studies. Investigates the novelty and challenges in approaching the world's most pressing problems using a Global Studies-inflected theoretical lens. Uses case studies from the Pacific and driven by indigenous knowledge to solve practical problems like social, economic, and health inequality, unsustainable environmental development, and political conflict.

GLOBAL 702 30 Points

Global Studies Research Design

An advanced examination of research design approaches with an emphasis on non-Western, Māori/Pacific, and indigenous methodologies. Surveys Global Studies methods and research design pathways, including those established in the Pacific and in indigenous contexts. Explorers methods required for advanced studies in the field.

GLOBAL 704 30 Points

Special Topic

GLOBAL 705 15 Points

Special Topic

GLOBAL 706 15 Points

Directed Study

GLOBAL 707 30 Points

Directed Study

GLOBAL 793 60 Points

Dissertation - Level 9

Health and Society

Stage I

HLTHSOC 100 15 Points

Introduction to Critical Global Health

An introduction to how the social sciences and humanities shed light on understandings of the social, political-economic, historical and cultural dynamics that underpin contemporary healthcare, medical practices and knowledge-production, and experiences of health and illness around the world. Examines real-life case studies using a range of health social science approaches.

Stage II**HLTHSOC 201 15 Points**
Medicine, Power and Politics

Explores the interplay between cultural values, local and national politics, and global health programmes and initiatives. Examines how experiences of medical care and ideas of illness and health vary across different cultural groups and socio-cultural settings, with a focus on issues of scientific expertise, patient empowerment and government involvement in healthcare.

Prerequisite: HLTHSOC 100

Restriction: ANTHRO 366

HLTHSOC 202 15 Points
Global Health and Development

Introduces a critical social science approach to the study of health and globalisation, tracing historical genealogies from colonial hygiene movements, to international public health in the development sector, through to contemporary global health institutions and their governance structures. Current issues and case studies in health and development including the roles of Non-Governmental Organisations (NGOs), participatory approaches, and human rights frameworks.

Prerequisite: HLTHSOC 100, or 15 points at Stage I in Anthropology, Gender Studies, Politics and International Relations or Sociology, or 15 points in Global Studies

Restriction: DEVELOP 716, HLTHSOC 302

HLTHSOC 203 15 Points
Contemporary Issues: Pandemics

Examines contemporary and historical pandemics in terms of their social and cultural impact, political-economic facets, and implications for health and healthcare. Topics include the social ramifications of states of emergency; the ethical implications of vaccines and other healthcare measures; religious, activist and NGO responses.

Prerequisite: 15 points at Stage I

Stage III**HLTHSOC 301 15 Points**
Researching Health and Social Medicine

Introduces qualitative research approaches to health and social medicine and equips students with the methodological skills to conduct their own research project. Reviews all phases of a research project: design and theoretical framing, ethical considerations, methods employed for data collection and analysis, and writing.

Prerequisite: 15 points at Stage II in Health and Society

HLTHSOC 302 15 Points
Global Health and Development

Introduces a critical social science approach to the study of health and globalisation, tracing historical genealogies from colonial hygiene movements, to international public health in the development sector, through to contemporary global health institutions and their governance structures. Current issues and case studies in health and development including the roles of NGOs, participatory approaches and human rights frameworks.

Prerequisite: 15 points at Stage II in Anthropology, Gender Studies, Health and Society, Politics and International Relations or Sociology, or 15 points at Stage II in Global Studies

Restriction: DEVELOP 716, HLTHSOC 202

HLTHSOC 303 15 Points
The Body

Examines cultural and historical variations in how societies

understand and experience the human body, with a focus on social, historical, philosophical and political-economic approaches. Topics such as political violence, sport, health, illness, sexuality, gender and religious ritual will be considered. Case studies explore the cultural construction and social experience of the human body in a diverse range of global settings.

Prerequisite: 30 points at Stage II in Health and Society

Restriction: ANTHRO 354

HLTHSOC 304 15 Points
Violence and Pain

Examines the meanings of violence and the various forms it might take, as well as how violence and pain shape ideas about personhood, the body, community and the state. Examines how experiences of pain are communicated, how various forms of violence shape and transform daily life, and how the study of health social science can address these impacts.

Prerequisite: HLTHSOC 201 and 15 points at Stage II in BA courses

Restriction: ANTHRO 743

HLTHSOC 305 15 Points
Culture, Science and Technology

Examines the interplay between culture, scientific knowledge and practice, and technological development with respect to health and illness. Focusing on the social, cultural, ethical, and political dimensions of science and technology, the course introduces students to critical examinations of how knowledge, progress, innovation and expertise are constituted across a variety of global settings.

Prerequisite: HLTHSOC 201 and 15 points at Stage II in BA courses

Restriction: ANTHRO 243

Health Education

Stage I**HEALTHED 101 15 Points**
Food and Education

Examines the relationship between food, eating, nutrition, and the body. Examines the social, cultural, political, economic and environmental factors that determine how people eat, what they eat, and why. Explores contemporary issues in nutrition and food education, and key challenges to improving the nutrition of communities.

Stage II**HEALTHED 201 15 Points**
Youth Mental Health Education

Examines mental health education in Aotearoa New Zealand. Explores holistic, western and non-western approaches to mental health in education settings and the history of public health in schools. Examines how current education policy, resourcing and pedagogical initiatives impact the mental health and wellbeing of children and young people.

Restriction: EDCURRIC 233

HEALTHED 202 15 Points
Sexuality, Education and Society

Examines the role of sexuality and sexuality education in society. Investigates cultural, historical and contemporary perspectives on gender and sexuality in diverse settings, including education and human services. Explores values, beliefs and issues of equity and sexual social justice.

Develops sexuality pedagogies and advocacy for education settings and within communities.

Restriction: EDCURRIC 333, EDUC 122

Stage III

HEALTHED 301

15 Points

Whaioranga

Critically examines a range of indigenous-Māori and critical literatures in health, physicality and wellbeing and provides opportunities to consider the relationships between indigenous-Māori wellbeing and other social locations and identities.

Prerequisite: 15 points from EDUCSW 201, HEALTHED 201, SPORTHE 201

HEALTHED 302

15 Points

Leading Health Promotion in Schools

Critically examines how a range of health promotion models and theories can be applied in education settings. Develops in-depth knowledge of how contemporary health issues such as mental health, alcohol, drugs and obesity affect young people in Aotearoa schools. Develops understanding and skills to apply health promotion principles to educational and community settings in culturally responsive and socially critical ways.

Prerequisite: HEALTHED 201

Restriction: EDCURRIC 433

Higher Education

Postgraduate 700 Level Courses

HIGHED 701

30 Points

Learning and Teaching

Students will document and critically reflect on their teaching practice in the context of their discipline and institution, and the higher education literature on learning and teaching and academic citizenship, taking into account how they will exhibit both leadership through innovation, scholarship and collegiality, and an awareness of difference (gender, ethnicity, ability) such that their practice is culturally and individually sustaining.

HIGHED 702

30 Points

Course Design

Students will explore and critically reflect on the theory and practice of learning and course design in higher education, including different models and methods of assessment and evaluation, such that they can design, implement and evaluate learning and teaching activities, assessment tasks and courses in ways that speak to practice in their discipline and institution, and the higher education literature.

Prerequisite: HIGHED 701

HIGHED 703

30 Points

Topics in Higher Education

Students will investigate and critically examine a range of current topics and theories in higher education and higher education research and their impact in a local context, in order to deepen their scholarly understanding of learning and teaching in their discipline and in the local and global higher education context, and equip them to design and undertake a higher education dissertation.

Prerequisite: HIGHED 701, 702, or equivalent

HIGHED 704

30 Points

Research Project Design

Students will be introduced to and critically reflect on

the breadth of higher education research methodologies and methods, and strategies for research project design and management. This will enable them to produce a research proposal, including a rationale, literature review, methodology and methods, for a higher education research project of their own.

Prerequisite: HIGHED 701 or 702 or 703

HIGHED 793

60 Points

HIGHED 793A

30 Points

HIGHED 793B

30 Points

Dissertation - Level 9

Prerequisite: 30 points from EDUC 735, 787, EDUCSW 700, EDPROFST 754, HIGHED 704

To complete this course students must enrol in HIGHED 793 A and B, or HIGHED 793

History

Stage I

HISTORY 103

15 Points

HISTORY 103G

15 Points

Global History

It is only since the fifteenth century that a truly global dimension to history can be identified. This course examines key determinants that have bound the fate of peoples together including the emergence of world trade networks, the growth of world religions, the spread of epidemic diseases, the formation of empires, and the migration of peoples across continents.

HISTORY 104

15 Points

Pacific History: An Introduction

Through analysing cross-cultural interactions and the agency of Pacific peoples, this course examines major periods of change in Pacific history from the Indigenous settlement of the Pacific to the post-WWII world.

HISTORY 107

15 Points

Titiro Whakamuri: Histories of Aotearoa New Zealand

Explores Aotearoa New Zealand history by asking 'ko wai tātou'? Who are we? Where are we? What – and who – is "Aotearoa New Zealand"? What does it mean to belong to this place, and how has this belonging changed over time? Who have been included and excluded in this history?

Restriction: HISTORY 122, 123

HISTORY 108

15 Points

Rise and Fall of the USA

Examines the major themes and events in the history of the United States from the colonial period to the present. It focuses on the making and remaking of American identity, the promises and paradoxes of American freedom, struggles for justice, and the sources and implications of US power in global perspective.

Restriction: HISTORY 105

Stage II

HISTORY 201

15 Points

Special Topic

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 318

HISTORY 205

15 Points

Bloodlands: Global Warfare

Asks historical questions about warfare in the modern era. Analyses conflicts and state violence and their impacts on

people and their governments in a global setting. Themes include: the causes, course and consequences of warfare; restraint in warfare; ideologies of war and peace; civil war and revolution; imperial warfare; genocide; the human impact and context of war.

Prerequisite: 15 points at Stage I in History and 30 points passed or 30 points at Stage I in Global Politics and Human Rights

Restriction: HISTORY 309

HISTORY 208 **15 Points** **African-American Freedom Struggles: USA 1900-2000**

An examination of the experience of African Americans during the 'long civil rights movement' of the twentieth century, emphasising the depth and breadth of Black oppositional spirit and activity, the achievements, and remaining challenges.

Prerequisite: 15 points in History and 30 points passed at Stage I

Restriction: HISTORY 308

HISTORY 210 **15 Points** **Health, Medicine and Society**

Examines the rise of modern Western medicine since 1850 and its impact, with a particular emphasis on Britain and its colonies. Topics include public health, hospitals, nursing, psychiatry, sexual health, reproductive health, child health, tuberculosis, medicine and war, and alternative medicines.

Prerequisite: 15 points at Stage I in History and 30 points passed at Stage I, or HLTHSOC 100 and 30 points passed

Restriction: HISTORY 367

HISTORY 217 **15 Points** **Nazi Germany and its Legacies**

An in-depth look into a period of history that has simultaneously fascinated and horrified generations of people around the world. Topics include: the origins of Nazism, Adolf Hitler and the rise of the NSDAP, life in Nazi Germany in peace and war, Hitler's foreign policy, the Second World War, the Holocaust and its myriad legacies in history and popular culture.

Prerequisite: 45 points passed

Restriction: HISTORY 317

HISTORY 224 **15 Points** **Old Regime and Revolution: France, 1750-1815**

The French Revolution is recognised as a founding event of modern history. Revolutionaries reinvented political liberty, civic equality, democratic suffrage, human rights; but also reinvented gender discrimination, political terror, ideological war, dictatorship. We explore this through readings and discussions that examine the origins of the Revolution, the collapse of the monarchy, the experiment of mass democracy, and the Revolution's disputed legacies.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 324

HISTORY 225 **15 Points** **Samurai and Scholars: Early Modern China and Japan**

Early modern China and Japan shared not only geographical space in East Asia but also a history of cultural interaction, trade, and an enduring interest in Confucianism as a moral, philosophical, and social framework. This course explores and compares the government, trade, and culture of these two societies with a focus on the structures and patterns of everyday life.

Prerequisite: 60 points passed

Restriction: HISTORY 222, 242, 322, 335, 342

HISTORY 227 **15 Points** **Waitangi: Treaty to Tribunal**

A history of the Treaty of Waitangi and the Waitangi Tribunal. The course explores changing understandings of the Treaty and its role in New Zealand society and history since 1840. The establishment of the Waitangi Tribunal in 1975, the development of its work, and the historical and contemporary claims brought before it will also be studied.

Prerequisite: 15 points at Stage I in History, Health and Society or Politics and International Relations, or MĀORI 130 and 30 points passed

Restriction: HISTORY 327

HISTORY 233 **15 Points** **Australian History Since 1788**

A survey of the history of Australia from European occupation to the present. It focuses on the lives and experiences of ordinary Australians, as well as providing an overview of the major political and economic developments across two centuries.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 333

HISTORY 239 **15 Points** **Medieval Cultures: Faith, Power, Identities**

Explores the social, cultural, religious and political histories of medieval Europe and its relations with wider worlds. Topics covered may vary from year to year, but will likely include social structures, the place of religious faith, gender relations, power and authority, ethnic identities, conflict and dissent, migrations, literary and artistic expressions, and responses to crises.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 219, 254, 268, 319, 339, 354, 368

HISTORY 241 **15 Points** **Making Sense of the Sixties: the USA 1954-1974**

An examination of the social, cultural and political history of the US in the 'long sixties', analysing the interplay of radicalism, liberalism and conservatism in this pivotal decade and giving attention to the sixties in historiography and popular memory.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 341

HISTORY 243 **15 Points** **Body and Blood: Religious Cultures and Conflicts c. 50-1650**

An introduction to Christianity, Islam and Judaism in the late antique and medieval periods and the conflicts which shaped them. It examines the roots of Christian and Muslim religious thinking, their interaction with Jewish and Pagan traditions, the Crusades, anti-Semitism, heresy, schisms within Christianity and the Reformation.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 356

HISTORY 250 **15 Points** **The Global Cold War**

Offers a history of key international events and global developments during the Cold War. Students will critically reflect on the importance and impact of these developments, both for Aotearoa and the wider world. Themes may include: US-Soviet relations, atomic diplomacy, the Berlin Wall, wars of decolonisation, the 1956 Suez crisis,

the creation of Israel, civil rights movements and anti-nuclear activism.

Prerequisite: 15 points at Stage I in History and 30 points passed or 30 points at Stage I in Global Politics and Human Rights

Restriction: HISTORY 350

HISTORY 252 15 Points **New Zealand Cultural History**

An introduction to changing ideas about New Zealand and New Zealand culture from colonial times to the present considering, among other topics, the history of exploration and travel, the iconography of the nation, public and private commemorations and celebrations, the history of the body and the commercialisation of leisure.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 352

HISTORY 257 15 Points **Progress and Poverty: The USA, 1877-1919**

A survey of the United States from the end of Reconstruction through the First World War that evaluates the role of ordinary people as well as influential figures. Themes include industrialisation; labour conflict and organisation; segregation; reform; literary and intellectual movements; popular culture; imperialism; politics and the state.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 357

HISTORY 259 15 Points **Special Topic: Capitalism and Consumerism in United States History**

Examines the development of consumerism as an economic and social order in the United States, focusing on the twentieth century. Students will explore how the consumption of goods and services assumed a dominant place in American life and consider the ways in which market relations and the commodification of things have shaped cultural forms, social practices, and political movements.

Prerequisite: 60 points passed

Restriction: HISTORY 359

HISTORY 270 15 Points **Ireland since 1798**

Examines the history of Ireland from 1798 to the present. It investigates major developments in the social, cultural, political and economic history of the island from the United Irish Rising at the end of the eighteenth century to the early twenty-first century, including the creation of the state of Northern Ireland and ongoing attempts to secure a lasting peace there.

Prerequisite: 15 points at Stage I in History and 30 points passed

Restriction: HISTORY 265, 365, 370

HISTORY 271 15 Points **Atlantic Revolutions**

Introduces students to early modern Atlantic history. From the mid-16th to the early 19th centuries, revolutionary upheavals in the Netherlands, England, the Americas and France made the Atlantic basin a crucible of global change. Topics include state power and imperial competition; commercial and cultural interconnections; colonisation and conflict; local and transoceanic communication networks; and the experiences of revolutionary change.

Prerequisite: 60 points passed

Restriction: HISTORY 371

Stage III

HISTORY 300 15 Points

Thinking History: Approaches to the Past

Focuses on the study of history and how historians have understood and explained the past as well as the challenges facing the discipline today. Topics include post-structuralism and history, gender and history, the nature of historical memory and the impact of non-Western perspectives on the discipline.

Prerequisite: 15 points at Stage II in History and 60 points passed

HISTORY 308 15 Points

African-American Freedom Struggles: USA 1900-2000

An examination of the experience of African Americans during the 'long civil rights movement' of the twentieth century, emphasising the depth and breadth of Black oppositional spirit and activity, the achievements, and remaining challenges. Attention will also be given to the 'long civil rights movement' in historiography and popular memory.

Prerequisite: 15 points in History and 30 points passed at Stage II

Restriction: HISTORY 208

HISTORY 309 15 Points

Bloodlands: Global Warfare

Asks historical questions about warfare in the modern era. Analyses conflicts and state violence and their impacts on people and their governments in a global setting. Themes include: the causes, course and consequences of warfare; restraint in warfare; ideologies of war and peace; civil war and revolution; imperial warfare; genocide; the human impact and context of war.

Prerequisite: 15 points at Stage II in History and 60 points passed or 30 points at Stage II in Global Politics and Human Rights

Restriction: HISTORY 205

HISTORY 317 15 Points

Nazi Germany and its Legacies

An in-depth look into a period of history that has simultaneously fascinated and horrified generations of people around the world. Topics include: the origins of Nazism, Adolf Hitler and the rise of the NSDAP, life in Nazi Germany in peace and war, Hitler's foreign policy, the Second World War, the Holocaust and its myriad legacies in history and popular culture.

Prerequisite: 15 points at Stage II and 60 points passed

Restriction: HISTORY 217

HISTORY 318 15 Points

Special Topic

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 201

HISTORY 324 15 Points

Old Regime and Revolution in France c.1750-1815

The French Revolution is recognised as a founding event of modern history. Revolutionaries reinvented political liberty, civic equality, democratic suffrage, human rights but also reinvented gender discrimination, political terror, ideological war, dictatorship. We explore this through readings and discussions that examine the origins of the

Revolution, the collapse of the monarchy, the experiment of mass democracy, and the Revolution's disputed legacies.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 224

HISTORY 327

15 Points

Waitangi: Treaty to Tribunal

A history of the Treaty of Waitangi and the Waitangi Tribunal. The course explores changing understandings of the Treaty and its role in New Zealand society and history since 1840. The establishment of the Waitangi Tribunal in 1975, the development of its work, and the historical and contemporary claims brought before it will also be studied.

Prerequisite: 15 points at Stage II in History and 60 points passed, or HISTORY 103 and 30 points at Stage II in BGlobalSt courses or Health and Society

Restriction: HISTORY 227

HISTORY 333

15 Points

Australian History Since 1788

A survey of the history of Australia from European occupation to the present. It focuses on the lives and experiences of ordinary Australians, as well as providing an overview of the major political and economic developments across two centuries.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 233

HISTORY 335

15 Points

Samurai and Scholars: Early Modern China and Japan

Early modern China and Japan shared not only geographical space in East Asia but also a history of cultural interaction, trade, and an enduring interest in Confucianism as a moral, philosophical, and social framework. This course explores and compares the government, trade, and culture of these two societies with a focus on the structures and patterns of everyday life.

Prerequisite: 90 points passed

Restriction: HISTORY 222, 225, 242, 322, 342

HISTORY 339

15 Points

Medieval Cultures: Faith, Power, Identities

Explores the social, cultural, religious and political histories of medieval Europe and its relations with wider worlds. Topics covered may vary from year to year, but will likely include social structures, the place of religious faith, gender relations, power and authority, ethnic identities, conflict and dissent, migrations, literary and artistic expressions, and responses to crises.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 219, 239, 254, 268, 319, 354, 368

HISTORY 341

15 Points

Making Sense of the Sixties: the USA 1954-1974

An examination of the social, cultural and political history of the US in the 'long sixties', analysing the interplay of radicalism, liberalism and conservatism in this pivotal decade and giving attention to the sixties in historiography and popular memory.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 241

HISTORY 350

15 Points

The Global Cold War

Offers a history of key international events and global developments during the Cold War. Students will critically reflect on the importance and impact of these

developments, both for Aotearoa and the wider world. Themes may include: US-Soviet relations, atomic diplomacy, the Berlin Wall, wars of decolonisation, the 1956 Suez crisis, the creation of Israel, civil rights movements and anti-nuclear activism.

Prerequisite: 15 points at Stage II in History and 60 points passed or 30 points at Stage II in Global Politics and Human Rights

Restriction: HISTORY 250

HISTORY 352

15 Points

New Zealand Cultural History

An in-depth examination of the cultural history of nineteenth and twentieth century New Zealand considering, among other topics, the history of exploration and travel, the iconography of the nation, public and private commemorations and celebrations, the history of the body and the commercialisation of leisure.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 252

HISTORY 356

15 Points

Body and Blood: Religious Cultures and Conflicts c.50-1650

An in-depth analysis of Christianity, Islam and Judaism in the late antique and medieval periods and the conflicts which shaped them. It examines the roots of Christian and Muslim religious thinking, their interaction with Jewish and Pagan traditions, the Crusades, anti-Semitism, heresy, schisms within Christianity and the Reformation.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 243

HISTORY 357

15 Points

Progress and Poverty: The USA, 1877-1919

An advanced survey of the United States from the end of Reconstruction through the First World War that evaluates the role of ordinary people as well as influential figures. Themes include industrialisation; labour conflict and organisation; segregation; reform; literary and intellectual movements; popular culture; imperialism; politics and the state.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 257

HISTORY 359

15 Points

Special Topic: Capitalism and Consumerism in United States History

Examines the development of consumerism as an economic and social order in the United States, focusing on the twentieth century. Students will explore how the consumption of goods and services assumed a dominant place in American life and considers the ways in which market relations and the commodification of things have shaped cultural forms, social practices, and political movements.

Prerequisite: 90 points passed

Restriction: HISTORY 259

HISTORY 367

15 Points

Health, Medicine and Society

Examines the rise of modern Western medicine since 1850 and its impact, with a particular emphasis on Britain and its colonies. Topics include public health, hospitals, nursing,

psychiatry, sexual health, reproductive health, child health, tuberculosis, medicine and war, and alternative medicines.
Prerequisite: 15 points at Stage II in History and 30 points passed, or HLTHSOC 201 and 30 points passed
Restriction: HISTORY 210

HISTORY 370 **15 Points** **Ireland since 1798**

Examines the history of Ireland from 1798 to the present. It investigates major developments in the social, cultural, political and economic history of the island from the United Irish Rising at the end of the eighteenth century to the early twenty-first century, including the creation of the state of Northern Ireland and ongoing attempts to secure a lasting peace there.

Prerequisite: 15 points at Stage II in History and 60 points passed

Restriction: HISTORY 265, 270, 365

HISTORY 371 **15 Points** **Atlantic Revolutions**

Examines early modern Atlantic history. From the mid-16th to the early 19th centuries, revolutionary upheavals in the Netherlands, England, the Americas, and France made the Atlantic basin a crucible of global change. Topics include state power and imperial competition; commercial and cultural interconnections; colonisation and conflict; local and transoceanic communication networks; and the experiences of revolutionary change.

Prerequisite: 90 points passed

Restriction: HISTORY 271

Postgraduate 700 Level Courses

HISTORY 700A **15 Points**

HISTORY 700B **15 Points**

Settlers and Empire

Explores the histories of nineteenth and twentieth century British settler societies, with a particular focus on New Zealand, Australia and Canada. Examines the key conceptual frameworks and major themes for thinking about the comparative and transnational pasts of these settler societies.

To complete this course students must enrol in HISTORY 700 A and B

HISTORY 705A **15 Points**

HISTORY 705B **15 Points**

Writing New Zealand

A study of the writing of New Zealand history from nineteenth century accounts through to more recent, revisionist undertakings. Considers general and overview histories, as well as key texts and the debates generated by such works. Students will have an opportunity to undertake research on a topic of their own choosing.

To complete this course students must enrol in HISTORY 705 A and B

HISTORY 706A **15 Points**

HISTORY 706B **15 Points**

Topics in European Cultural History

An historical introduction to the relationship between ideologies, cultural practices, social structures and political institutions in Europe. Topics include: the political history of manners and court culture; public opinion and print culture; gender and consumerism; the history of the senses and the human body.

To complete this course students must enrol in HISTORY 706 A and B

HISTORY 711A **15 Points**

HISTORY 711B **15 Points**

Texts and Contexts

Takes a broad view of the histories of culture and of communication. It links aspects of the history of ideas (historical, political, religious, scientific, legal, cultural) to the modes of their transmission (objects, performances, languages, spoken, manuscript and printed texts). It relates a wide variety of texts to the historical circumstances of their generation and reception.

To complete this course students must enrol in HISTORY 711 A and B

HISTORY 712A **15 Points**

HISTORY 712B **15 Points**

Insider Histories

Considers histories from 'the inside', related debates about oral histories and oral history practice. Uses Māori histories as case studies to explore the use of oral sources and issues of subjectivity, offering practical historical research and analytical skills. Topics include: the nature of and problems with oral and other sources, balancing textual and oral sources, writing from a subject position.

To complete this course students must enrol in HISTORY 712 A and B

HISTORY 713A **15 Points**

HISTORY 713B **15 Points**

Empire and Insurgency, 1840-1950

Investigates insurgency within the British Empire between 1840 and 1950. Drawing upon examples including the Indian Rebellion of 1857, the Irish Revolution, and the New Zealand Wars, it explores frameworks for studying insurgencies, the challenges that arise for historians in comparing acts of rebellion, and how nationalist movements drew upon an empire-wide repertoire of insurgency to advance their objectives.

To complete this course students must enrol in HISTORY 713 A and B

HISTORY 715A **15 Points**

HISTORY 715B **15 Points**

Topics in the History of War and Peace

An exploration of the history and historiography of modern warfare, peace and state violence, focusing on case studies from the 1850-1950 period, including warfare in Aotearoa and the wider Pacific. Topics include the course, conduct and consequences of inter-state, civil, revolutionary and imperial warfare as well as of peace-making, internationalism, humanitarianism and the regulation of warfare in international law.

Restriction: HISTORY 716

To complete this course students must enrol in HISTORY 715 A and B

HISTORY 716 **15 Points**

Topics in the History of War and Peace

An exploration of the history and historiography of modern warfare, peace and state violence, focusing on case studies from the 1850-1950 period, including warfare in Aotearoa and the wider Pacific. Topics include the course, conduct and consequences of inter-state, civil, revolutionary and imperial warfare as well as of peace-making, internationalism, humanitarianism and the regulation of warfare in international law.

Restriction: HISTORY 715

HISTORY 721A	15 Points	one or more staff members and approved by the Academic Head or nominee.
HISTORY 721B	15 Points	<i>To complete this course students must enrol in HISTORY 760 A and B, or HISTORY 760</i>
Special Topic		
<i>To complete this course students must enrol in HISTORY 721 A and B</i>		
HISTORY 725A	15 Points	
HISTORY 725B	15 Points	
Health, Medicine and Society		
Health and medicine within the context of the society of which they are part, with a special emphasis on New Zealand from 1840 to the present day. Various public health topics will be investigated including mental health, infant health and maternity, sexually transmitted diseases, tuberculosis, and the politics of health care.		
<i>Restriction: HISTORY 702</i>		
<i>To complete this course students must enrol in HISTORY 725 A and B</i>		
HISTORY 734A	15 Points	
HISTORY 734B	15 Points	
Uncovering United States History		
Explores the arguments, assumptions, and points of view that have created and continue to create historical knowledge of the United States. The course engages with the practice of United States history and historiography, emphasising historians' ways of doing, thinking, valuing, and writing about the past.		
<i>To complete this course students must enrol in HISTORY 734 A and B</i>		
HISTORY 736A	15 Points	
HISTORY 736B	15 Points	
Medieval Women, c.1100-1500		
A study of the history and historiography of medieval women, this course considers what medieval women's history consists of, how it can or should be written, and why it is worth writing.		
<i>To complete this course students must enrol in HISTORY 736 A and B</i>		
HISTORY 737A	15 Points	
HISTORY 737B	15 Points	
Rethinking History		
An examination of key issues in the theory and practice of history, with a focus on the controversies and consequences of the so-called "poststructuralist (or linguistic) turn" of the 1980s, as well as more recent challenges. The aim is to provide a self-reflexive approach to historians' representations and interpretations of the past.		
<i>Restriction: HISTORY 710</i>		
<i>To complete this course students must enrol in HISTORY 737 A and B</i>		
HISTORY 740	15 Points	
Special Topic		
HISTORY 742A	15 Points	
HISTORY 742B	15 Points	
Special Topic		
<i>To complete this course students must enrol in HISTORY 742 A and B</i>		
HISTORY 760	30 Points	
HISTORY 760A	15 Points	
HISTORY 760B	15 Points	
Special Study		
Individual research, normally related to one of the courses HISTORY 706 to HISTORY 736, selected in consultation with		
HISTORY 761	30 Points	
HISTORY 761A	15 Points	
HISTORY 761B	15 Points	
Special Study		
Individual research, normally related to one of the courses HISTORY 706 to HISTORY 736, selected in consultation with one or more staff members and approved by the Academic Head or nominee.		
<i>To complete this course students must enrol in HISTORY 761 A and B, or HISTORY 761</i>		
HISTORY 780	30 Points	
HISTORY 780A	15 Points	
HISTORY 780B	15 Points	
Research Project - Level 9		
<i>To complete this course students must enrol in HISTORY 780 A and B, or HISTORY 780</i>		
HISTORY 793	60 Points	
HISTORY 793A	30 Points	
HISTORY 793B	30 Points	
Dissertation - Level 9		
<i>To complete this course students must enrol in HISTORY 793 A and B, or HISTORY 793</i>		
HISTORY 796A	60 Points	
HISTORY 796B	60 Points	
Thesis - Level 9		
<i>To complete this course students must enrol in HISTORY 796 A and B</i>		
HISTORY 797A	60 Points	
HISTORY 797B	60 Points	
Research Portfolio - Level 9		
<i>To complete this course students must enrol in HISTORY 797 A and B</i>		

Humanities

Stage I

HUMS 101 **15 Points**

Europe: Medieval to Modern

A thematic and chronological survey of major developments in European history and visual culture since the early Middle Ages. The course is designed to provide a solid foundation for subsequent study in European history, art history and culture as well as an introduction to the nature of scholarly research and writing in the Humanities.

Restriction: ARTHIST 106, 107, HISTORY 106

Stage III

HUMS 300 **15 Points**

Critiquing the Museum

An introduction to the history and theory of museums, and to institutional collecting and the interpretation of culture. Focuses on the role of museums in colonisation and nation building, involvement in globalising processes as well as the opportunities museums offer for social advocacy.

Prerequisite: 15 points in BA courses

Human Services

Stage I

HUMSERV 102 15 Points
Lifespan Development for Human Services

An introduction to the theories of lifespan development. Key issues affecting human development and its relevance and application to the work of human service practitioners will be explored. The consideration of social contexts of human development will be a central theme.

Indigenous Studies

Postgraduate 700 Level Courses

INDIGEN 700 30 Points
Indigenous Theories

Topics include cultural autonomy, political inclusion, land claims, urbanisation and indigenous rights. Through a close reading of key texts and engaging in seminar discussions, students will deepen their insight into the knowledge systems that embody indigenous world views and be able to critically and analytically engage with historical and contemporary issues in Indigenous Studies.

INDIGEN 701 15 Points
Special Topic

INDIGEN 702 30 Points
Special Topic

INDIGEN 710 15 Points
Indigenous Methodologies

Research has been a powerful tool of colonisation. This course seeks to explore traditional and new methodologies that are robust, ethical and culturally informed to study Indigenous and Indigenous-related issues. In developing an understanding of relevant methodologies, ethics/tikanga and cultural understanding in Indigenous Studies students will gain knowledge of the links between Indigenous epistemology, research methodology and application.

INDIGEN 711 30 Points
Indigenous Environmental Politics

Examines contemporary issues related to Indigenous peoples and the environment. There will be a particular focus on the interface between Indigenous peoples, governments and corporate bodies. Topics may include Indigenous responses to environmental degradation; Indigenous peoples and extractive industries; sustainable development; Indigenous environmental protest movements; land and treaty rights; traditional knowledge and resource protection; and Indigenous peoples and climate change.

INDIGEN 712 30 Points
Indigenous Psychologies

Examines the historical and material circumstances Indigenous peoples face and the emergence and development of Indigenous psychologies to respond to a range of social and psychological challenges. Covers topics relevant to Indigenous and non-Indigenous survival and flourishing including cultural contributions to health and collective and individual wellbeing.

INDIGEN 792 45 Points
INDIGEN 792A 30 Points
INDIGEN 792B 15 Points
Dissertation - Level 9

Examines key research issues for indigenous peoples. Students will develop a focused understanding of relevant methodologies, ethics and cultural understandings in Indigenous Studies. Students will develop a research project that identifies a particular indigenous issue and implement an appropriate methodology.

To complete this course students must enrol in INDIGEN 792 A and B, or INDIGEN 792

INDIGEN 793 60 Points
INDIGEN 793A 30 Points
INDIGEN 793B 30 Points

Dissertation - Level 9
To complete this course students must enrol in INDIGEN 793 A and B, or INDIGEN 793

Italian

Stage I

ITALIAN 100 15 Points
ITALIAN 100G 15 Points

Introductory Italian Language

Learn basic Italian language structures and communication skills, including common words and basic phrases concerning everyday life. Acquire skills of interacting verbally by asking and answering straightforward questions on familiar topics. The course is delivered through a combination of class instruction and interactive online activities. For students with no previous knowledge of Italian.

Restriction: ITALIAN 106. May not be taken if an equivalent or more advanced language acquisition course in this subject has previously been passed.

ITALIAN 106 15 Points
ITALIAN 106G 15 Points

Italian Language for Beginners 1

Students learn to speak, read and write Italian, studying aspects of contemporary Italian society and thought. This course does not count towards a major in Italian. For students with no previous knowledge of Italian.

Restriction: ITALIAN 100. May not be taken if a more advanced language acquisition course in this subject has previously been passed

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

ITALIAN 107 15 Points
Italian Language for Beginners 2

Learners further develop lexical, grammatical, cultural and communicative competence, allowing them to prepare for intermediate level grammar and to be operative in social situations requiring a direct exchange of information in the target language environment and areas of immediate need. Meets the standard of Basic User Level A2 as set out by the Council of Europe's Language Policy Unit.

Prerequisite: ITALIAN 100 or 106

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

ITALIAN 177 15 Points
Study Abroad 1
 Language course taken at an approved overseas institution where instruction is in Italian.
Prerequisite: ITALIAN 106
Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Stage II

ITALIAN 200 15 Points
Intermediate Italian Language 1
 Develops writing, reading, speaking and listening skills to an intermediate level, through practice on a wide range of written texts and current audio-visual material.
Prerequisite: ITALIAN 107
Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

ITALIAN 201 15 Points
Intermediate Italian Language 2
 Continues to develop language skills at an intermediate level.
Prerequisite: ITALIAN 200
Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

ITALIAN 202 15 Points
Engendered Voices (Texts in Italian)
 A critical study of the representation of women's experiences and of issues of gender and culture, through an examination of literary texts and films by Italian women writers and filmmakers. Students will study texts in Italian.
Prerequisite: ITALIAN 107
Corequisite: ITALIAN 200
Restriction: ITALIAN 203, 335

ITALIAN 203 15 Points
Engendered Voices (Texts in English)
 A critical study of the representation of women's experiences and of issues of gender and culture, through an examination of literary texts and films by Italian women writers and filmmakers. Students will study texts in English. This course does not count towards a major or minor in Italian. Students taking an Italian major or minor should take ITALIAN 202 instead.
Prerequisite: 90 points passed
Restriction: ITALIAN 202, 335

ITALIAN 206 15 Points
Special Topic
Prerequisite: ITALIAN 107

ITALIAN 235 15 Points
Special Topic
Prerequisite: ITALIAN 107
Corequisite: ITALIAN 200

ITALIAN 236 15 Points
Special Topic
Prerequisite: 90 points passed in BA courses

ITALIAN 277 15 Points
Italian Study Abroad 2A
 Refer to the entry for Language Study Abroad.
Prerequisite: Approval of Academic Head or nominee

ITALIAN 278 15 Points
Italian Study Abroad 2B
 Refer to the entry for Language Study Abroad.
Prerequisite: ITALIAN 277 and approval of Academic Head or nominee

Stage III

ITALIAN 300 15 Points
Advanced Italian Language
 Builds on the language skills acquired in ITALIAN 200 and 201, focusing on selected topics in more specialised contexts.
Prerequisite: ITALIAN 201

ITALIAN 301 15 Points
Italian Translation Practice
 Designed specifically for Stage III Italian students who have no prior formal experience in translation. The course will develop students' reading, writing, listening and speaking skills in Italian, while introducing a fifth skill, that of translation.
Prerequisite: ITALIAN 300

ITALIAN 312 15 Points
Special Topic
Prerequisite: ITALIAN 107
Restriction: ITALIAN 211, 212

ITALIAN 313 15 Points
Special Topic
Prerequisite: ITALIAN 201 and 15 points from ITALIAN 202, 204, 206, 209, 211, 235, 236

ITALIAN 330 15 Points
Modern Italian Fiction and Drama
 Studies in selected fictional and dramatic works of the twentieth century and beyond. It considers the structures, topics and influence of these works and the ways in which they refer to historical, social and political issues as well as to literary and theatrical conventions.
Prerequisite: ITALIAN 201 and 15 points from ITALIAN 202, 204, 206, 209, 211, 235, 236
Corequisite: ITALIAN 300 or equivalent language proficiency
Restriction: ITALIAN 331, 339, 712, 739

ITALIAN 335 15 Points
Engendered Voices (Texts in Italian)
 A critical study of the representation of women's experiences and of issues of gender and culture, through an examination of literary texts and films by Italian women writers and filmmakers. Students will study texts in Italian.
Prerequisite: ITALIAN 201 and 15 points from ITALIAN 204, 206, 209, 211, 235, 236
Restriction: ITALIAN 202, 203

ITALIAN 337 15 Points
Special Topic
Prerequisite: ITALIAN 201 and 15 points from ITALIAN 202, 204, 206, 209, 211, 235, 236
Corequisite: ITALIAN 300

ITALIAN 338 15 Points
Special Topic
Prerequisite: ITALIAN 201 and 15 points from ITALIAN 202, 204, 206, 209, 211, 235, 236
Corequisite: ITALIAN 300

ITALIAN 355 15 Points
Directed Study
Prerequisite: ITALIAN 201 and 15 points from ITALIAN 202, 204, 206, 209, 211, 235, 236 and approval of Academic Head or nominee

ITALIAN 356 15 Points
Directed Study
Prerequisite: ITALIAN 201 and 15 points from ITALIAN 202, 204, 206, 209, 211, 235, 236 and approval of Academic Head or nominee

ITALIAN 377 15 Points
Italian Study Abroad 3A
 Refer to the entry for Language Study Abroad.
Prerequisite: Approval of Academic Head or nominee

ITALIAN 378 15 Points
Italian Study Abroad 3B
 Refer to the entry for Language Study Abroad.
Prerequisite: ITALIAN 377 and approval of Academic Head or nominee

ITALIAN 379 15 Points
Study Abroad – Internship
 Research-informed project based on an internship in an institution or organisation in Italy to gain both academic credit and work experience. Projects will be completed under the supervision of a workplace supervisor and assessed by a University of Auckland academic.
Prerequisite: Approval of Academic Head or nominee

Postgraduate 700 Level Courses

ITALIAN 700 30 Points
ITALIAN 700A 15 Points
ITALIAN 700B 15 Points
Language Acquisition: Oral and Written Use of Italian
 The fundamental skills of reading, writing and speaking in various registers of Italian are taken to an advanced level. All classes are held in Italian.
To complete this course students must enrol in ITALIAN 700 A and B, or ITALIAN 700

ITALIAN 701 15 Points
Special Topic

ITALIAN 704 30 Points
Special Topic

ITALIAN 709 30 Points
Special Topic

ITALIAN 720 30 Points
Special Topic

ITALIAN 721 15 Points
Special Topic

ITALIAN 730 30 Points
Special Topic

ITALIAN 732 30 Points
Special Topic

ITALIAN 777 15 Points
Study Abroad
 Formal study in an approved overseas university where the language of instruction is Italian. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.

ITALIAN 778 15 Points
Study Abroad
 Formal study in an approved overseas university where the language of instruction is Italian. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.

ITALIAN 779 15 Points
Study Abroad – Internship
 Research-informed project based on an internship in an institution or organisation in Italy to gain both academic credit and work experience. Projects will be completed under the supervision of a workplace mentor and assessed by a University of Auckland academic staff. Supplementary study at the University of Auckland may be required as part of this course.
Prerequisite: Approval of Academic Head or nominee

ITALIAN 780 30 Points
ITALIAN 780A 15 Points
ITALIAN 780B 15 Points
Research Project – Level 9
To complete this course students must enrol in ITALIAN 780 A and B, or ITALIAN 780

ITALIAN 782 30 Points
Research Essay – Level 9

ITALIAN 791 60 Points
Dissertation – Level 9

ITALIAN 792 45 Points
ITALIAN 792A 22.5 Points
ITALIAN 792B 22.5 Points
Dissertation – Level 9
To complete this course students must enrol in ITALIAN 792 A and B, or ITALIAN 792

ITALIAN 793A 45 Points
ITALIAN 793B 45 Points
Thesis – Level 9
To complete this course students must enrol in ITALIAN 793 A and B

ITALIAN 796A 60 Points
ITALIAN 796B 60 Points
Thesis – Level 9
To complete this course students must enrol in ITALIAN 796 A and B

ITALIAN 797A 60 Points
ITALIAN 797B 60 Points
Research Portfolio – Level 9
To complete this course students must enrol in ITALIAN 797 A and B

Japanese

Stage I

JAPANESE 130 15 Points
JAPANESE 130G 15 Points
Japanese Language 1A
 An integrated basic course in modern Japanese covering reading, writing, speaking and listening.
Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

JAPANESE 131 15 Points
Japanese Language 1B
 Further develops the basic proficiency in modern Japanese necessary to communicate in limited situations. Uses a range of exercises and activities to develop speaking, listening, reading and writing skills as well as strategies to enhance and support these skills. Introduces some sociocultural aspects directly related to language-use

situations. Note: Students with NCEA level 2 Japanese or equivalent should enrol in this course.

Prerequisite: JAPANESE 130 or approval of Academic Head or nominee

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

JAPANESE 150 **15 Points**
Exploring Japan

Covers Japanese history, culture and society from the seventeenth century to the contemporary period, and serves as an introduction to Japan. Deals with such diverse topics as Japan under the Shoguns, Japan's modernisation, the modern political system, Japan's position in the world, popular culture, social structures and gender relations. No knowledge of the Japanese language is required.

JAPANESE 178 **15 Points**
Japanese Study Abroad 1

Formal language study in an approved overseas institution where instruction is in Japanese. May not be taken if a more advanced language acquisition course in this subject has previously been passed.

Prerequisite: Approval of Academic Head or nominee

Stage II

JAPANESE 222 **15 Points**
Structural Analysis of the Japanese Language

Structural analysis of the pronunciation, grammar, script and usage of the modern Japanese language.

Corequisite: JAPANESE 231 or 232

JAPANESE 231 **15 Points**
Japanese Language 2A

Further develops the basic proficiency in modern Japanese necessary to communicate in everyday situations. Uses a range of exercises and activities to develop communicative use of speaking, listening, reading and writing skills in a range of situations as well as strategies to enhance and support these skills. Note: Students with NCEA level 3 Japanese or equivalent should enrol in this course.

Prerequisite: JAPANESE 131 or approval of Academic Head or nominee

Restriction: JAPANESE 230, 239. May not be taken if a more advanced language acquisition course in this subject has previously been passed

JAPANESE 232 **15 Points**
Japanese Language 2B

A continuation of JAPANESE 231 covering more advanced grammar. By the end of the course, students will have acquired all essential grammar items and will be ready to explore more authentic materials in Stage III. Further develops communicative use of the language in speaking, listening, reading and writing in various situations and strategies to enhance and support these skills.

Prerequisite: JAPANESE 231 or approval of Academic Head or nominee

Restriction: JAPANESE 230, 239. May not be taken if a more advanced language acquisition course in this subject has previously been passed

JAPANESE 240 **15 Points**
Villains and Heroes in Japanese Literature

Critically examines important works related to Japan's literature and culture, from various genres and all periods including the present. Readings in English translation. Emphasis on production and reception of literary texts

within such contexts as history, gender, ethnicity, religion, the environment, and power issues.

Prerequisite: 45 points in BA courses, including either JAPANESE 150 or ASIAN 100

Restriction: JAPANESE 340

JAPANESE 241 **15 Points**
Japanese Popular Culture since 1945

Examines post-1945 Japanese popular culture such as manga, anime, music and literature, from the perspective of how they have dealt with issues such as national/cultural identity, 'race', war memory, gender and globalisation. The historical and political context of each text and cultural practice is emphasised. No knowledge of Japanese language required.

Prerequisite: 45 points in BA courses

Restriction: JAPANESE 341

JAPANESE 243 **15 Points**
Geisha and Samurai: Edo Literature

Explores literary works and other writings and media from early modern (Edo/Tokugawa) Japan, focusing on the way these texts reflect aspects of Edo culture. Texts in English translation.

Prerequisite: 45 points in BA courses, including either JAPANESE 150 or ASIAN 100

Restriction: JAPANESE 343

JAPANESE 270 **15 Points**
Japanese Culture and Traditions

Examines important aspects of Japanese culture, society, and history. Focuses particularly on the creation and recreation of traditions, and the interaction between cultural and historical forces in shaping society. The course consists of four thematic parts, dealing with history, education, family, and health.

Prerequisite: 45 points in BA courses, including either JAPANESE 150 or ASIAN 100

Restriction: JAPANESE 370

JAPANESE 277 **15 Points**
Japanese Study Abroad 2A

Refer to the entry for Language Study Abroad.

Prerequisite: Approval of Academic Head or nominee

JAPANESE 278 **15 Points**
Japanese Study Abroad 2B

Refer to the entry for Language Study Abroad.

Prerequisite: JAPANESE 277 and approval of Academic Head or nominee

JAPANESE 292 **15 Points**
Special Topic: Religion in Modern Japanese Society

Aims to understand the role of religious beliefs, practices, and institutions in modern Japanese society. Topics to be covered include the "invention" of State Shinto and its role in nation-building, the decline of established temple Buddhism, the emergence and impact of new religious movements, and social conflict related to religion-state issues in the postwar period.

Prerequisite: JAPANESE 150 or ASIAN 100, and, a further 30 points from BA courses.

Restriction: JAPANESE 308

Stage III

JAPANESE 300 **15 Points**
Special Topic

JAPANESE 307 15 Points**Classical Language and Culture**

Introduction to the classical Japanese language and culture. Involves extensive readings of selected works from the classics in the original language.

Prerequisite: 45 points at Stage II in Japanese

Corequisite: JAPANESE 331 or 332

JAPANESE 308 15 Points**Religion in Modern Japanese Society**

The aim of this course is to understand the role of religious beliefs, practices, and institutions in modern Japanese society. Topics to be covered include the "invention" of State Shinto and its role in nation-building, the decline of established temple Buddhism, the emergence and impact of new religious movements, and social conflict related to religion-state issues in the postwar period. *Prerequisite:* ASIAN 100 and 30 points at Stage II in Asian Studies or 45 points in Stage II BA courses, including one of the following: ANTHRO 250, JAPANESE 240, 241, 243, 270, THEOLOGY 201 or THEOREL 201, SOCIOL 213

Restriction: ASIAN 708, JAPANESE 292

JAPANESE 324 15 Points**Topics in Japanese Linguistics**

A study of selected areas of Japanese language structure and usage.

Prerequisite: 45 points at Stage II in Japanese including JAPANESE 222

Corequisite: JAPANESE 331 or 332

Restriction: JAPANESE 728

JAPANESE 331 15 Points**Japanese Language 3A**

Further develops communicative use of the Japanese language in and beyond everyday situations. With greater focus on written Japanese, students will explore a variety of authentic materials including essays, folk tales, poems and visual texts that contain both traditional and contemporary cultural elements. Students are encouraged to study autonomously as well as collaboratively.

Prerequisite: JAPANESE 232

Restriction: JAPANESE 330, 338, 339. May not be taken if a more advanced language acquisition course in this subject has previously been passed

JAPANESE 332 15 Points**Japanese Language 3B**

Further develops communicative use of Japanese language in speaking, listening, reading and writing beyond everyday situations. With greater focus on written Japanese, students will familiarise themselves with various styles of Japanese texts including newspaper articles, manga and short novels, through which their understanding of Japanese culture will deepen.

Prerequisite: JAPANESE 331

Restriction: JAPANESE 330, 338, 339. May not be taken if a more advanced language acquisition course in this subject has previously been passed

JAPANESE 340 15 Points**Villains and Heroes in Japanese Literature**

Critically examines important works related to Japan's literature and culture, from various genres and all periods including the present. Readings in English translation. Emphasis on production and reception of literary texts within such contexts as history, gender, ethnicity, religion, the environment, and the deployment of power.

Prerequisite: JAPANESE 150 and 45 points at Stage II in

Japanese including one of JAPANESE 241, 242, 270, HISTORY 242

Restriction: JAPANESE 240

JAPANESE 341 15 Points**Japanese Popular Culture since 1945**

Examines post-1945 Japanese popular culture such as manga, anime, music and literature, from the perspective of how they have dealt with issues such as national/cultural identity, 'race', war memory, gender and globalisation. The historical and political context of each text and cultural practice is emphasised. No knowledge of Japanese language required.

Prerequisite: JAPANESE 150 and 45 points at Stage II in Japanese including one of JAPANESE 240, 243, 270 HISTORY 242, or 30 points at Stage II in Asian Studies

Restriction: JAPANESE 241

JAPANESE 343 15 Points**Geisha and Samurai Edo Literature**

Explores, mainly in English translation, literary works and other writings/media from early modern (Edo/Tokugawa) Japan. The emphasis is on understanding aspects of the culture by direct reference to texts written by Japanese at that time.

Prerequisite: JAPANESE 150 and 45 points at Stage II in Japanese including JAPANESE 240, 241, or 270

Restriction: JAPANESE 243

JAPANESE 370 15 Points**Japanese Culture and Traditions**

Examines important aspects of Japanese culture, society, and history. Focuses particularly on the creation and recreation of traditions, and the interaction between cultural and historical forces in shaping society. The course consists of four thematic parts, dealing with history, education, family, and health.

Prerequisite: JAPANESE 150 and either 45 points at Stage II including one of JAPANESE 240, 241, 243 and HISTORY 242 or 30 points at Stage II in Asian Studies

Restriction: JAPANESE 270

JAPANESE 377 15 Points**Japanese Study Abroad 3A**

Refer to the entry for Language Study Abroad.

Prerequisite: Approval of Academic Head or nominee

JAPANESE 378 15 Points**Japanese Study Abroad 3B**

Refer to the entry for Language Study Abroad.

Prerequisite: JAPANESE 377 and approval of Academic Head or nominee

JAPANESE 392 15 Points**Special Topic**

Prerequisite: JAPANESE 150 and 45 points at Stage II in Japanese

Postgraduate 700 Level Courses**JAPANESE 702 30 Points****Topics in Japanese Culture and Society**

In-depth study of selected topics on Japanese culture and society. Topics may include Japanese religion and society, popular culture, early modern history, Japan in East Asia and globalisation. This will be a team-taught course, and the content each year will be adapted according to student research interests. The course requires critical reading of core texts and regular student seminar presentations.

JAPANESE 703	30 Points
Topics in Japanese Language and Linguistics	
In-depth study of selected topics on Japanese language and linguistics. Topics may include accentuation, morphophonology, transitivity, subjectivity, gender and language, politeness, and discourse strategies. The course focuses on student-led seminar presentations and discussions on assigned key works in the field.	
JAPANESE 706	15 Points
Advanced Japanese Language Acquisition 1	
Uses authentic materials on a variety of topics to enhance language skills in support of postgraduate studies.	
<i>Restriction: JAPANESE 707</i>	
JAPANESE 707	30 Points
Advanced Japanese Language Acquisition 2	
Use materials on a variety of topics to enhance language skills in support of postgraduate studies. Readings relevant to the individual student's research field will be assigned for critical analysis in Japanese.	
<i>Restriction: JAPANESE 706</i>	
JAPANESE 745	15 Points
JAPANESE 745A	7.5 Points
JAPANESE 745B	7.5 Points
Directed Study	
<i>To complete this course students must enrol in JAPANESE 745 A and B, or JAPANESE 745</i>	
JAPANESE 746A	22.5 Points
JAPANESE 746B	22.5 Points
Research Essay - Level 9	
<i>To complete this course students must enrol in JAPANESE 746 A and B</i>	
JAPANESE 747	30 Points
JAPANESE 747A	15 Points
JAPANESE 747B	15 Points
Directed Study	
<i>To complete this course students must enrol in JAPANESE 747 A and B, or JAPANESE 747</i>	
JAPANESE 748	15 Points
Research Essay - Level 9	
JAPANESE 780	30 Points
JAPANESE 780A	15 Points
JAPANESE 780B	15 Points
Research Project - Level 9	
<i>To complete this course students must enrol in JAPANESE 780 A and B, or JAPANESE 780</i>	
JAPANESE 782	30 Points
JAPANESE 782A	15 Points
JAPANESE 782B	15 Points
Research Essay - Level 9	
<i>To complete this course students must enrol in JAPANESE 782 A and B, or JAPANESE 782</i>	
JAPANESE 791	60 Points
JAPANESE 791A	30 Points
JAPANESE 791B	30 Points
Dissertation - Level 9	
<i>To complete this course students must enrol in JAPANESE 791 A and B, or JAPANESE 791</i>	

JAPANESE 792A	22.5 Points
JAPANESE 792B	22.5 Points
Dissertation - Level 9	
<i>To complete this course students must enrol in JAPANESE 792 A and B</i>	
JAPANESE 793A	45 Points
JAPANESE 793B	45 Points
Thesis - Level 9	
<i>To complete this course students must enrol in JAPANESE 793 A and B</i>	
JAPANESE 796A	60 Points
JAPANESE 796B	60 Points
Thesis - Level 9	
<i>To complete this course students must enrol in JAPANESE 796 A and B</i>	
JAPANESE 797A	60 Points
JAPANESE 797B	60 Points
Research Portfolio - Level 9	
<i>To complete this course students must enrol in JAPANESE 797 A and B</i>	

Korean

Stage I

KOREAN 110	15 Points
KOREAN 110G	15 Points
Korean for Beginners 1	
Basic written and spoken skills in modern Korean. Through the practice of listening to and reading basic Korean sentences, fundamental grammar and vocabulary are taught so that students will be able to carry out basic conversation and comprehend simple Korean texts.	
<i>Restriction: KOREAN 100, 250. May not be taken if a more advanced language acquisition course in this subject has previously been passed</i>	

KOREAN 111	15 Points
Korean for Beginners 2	
Further develops the basic proficiency in Korean necessary to communicate in limited situations. Uses a range of exercises and activities to develop speaking, listening, reading and writing skills. Introduces distinctive aspects of contemporary Korean culture related to language-use situations.	
<i>Prerequisite: KOREAN 110</i>	
<i>Restriction: KOREAN 100, 250. May not be taken if a more advanced language acquisition course in this subject has previously been passed</i>	

KOREAN 120	15 Points
Korean Society and Culture	
An introduction to Korean society and culture, focusing on the development of the nation. The course covers the colonial legacy, national division, and cultural, social, economic and political changes in the two Koreas. No knowledge of Korean language required.	

Stage II

KOREAN 200	15 Points
Intermediate Korean 1	
Aims to expand students' proficiency in Korean by introducing further points of grammar and their usage.	

This course serves as the base for oral and written language skills at an intermediate level.

Prerequisite: KOREAN 100 or 111

Restriction: KOREAN 250. May not be taken if a more advanced language acquisition course in this subject has previously been passed

KOREAN 201 15 Points **Intermediate Korean 2**

A continuation of KOREAN 200 covering more advanced grammar points and their usage. Further develops communicative use of Korean in a wide range of everyday situations.

Prerequisite: KOREAN 200

Restriction: KOREAN 250. May not be taken if a more advanced language acquisition course in this subject has previously been passed

KOREAN 203 15 Points **Special Topic: Korean Pop Culture: Digital and Global**

Examines the multifaceted growth of Korean Pop Culture, with a focus on the nation's pop music industry. In the new millennium, the rise of Korean Pop Culture has become one of the most distinctive global media phenomena. This course offers a comprehensive understanding of Korean Pop Culture, emphasizing its conjunction with digital communication technologies and global media platforms.

Prerequisite: 15 points at Stage I in Asian Studies, Chinese, Japanese, or Korean

KOREAN 205 15 Points **Korea through TV Drama and Film**

Examines some of the cultural, social and political issues of contemporary South Korea through a selection of popular TV dramas and films.

Prerequisite: 15 points at Stage I in Asian Studies, Chinese, Japanese or Korean, or 15 points at Stage I in Media and Screen Studies and 30 points passed

Restriction: ASIAN 202, KOREAN 305

KOREAN 250 15 Points **Korean for Heritage Speakers**

Aims to enhance written skills in modern Korean for students with native speaker background. Emphasis will be placed on the comprehension of a wide range of issues in Korean society.

Prerequisite: Approval of Academic Head or nominee

Restriction: KOREAN 110, 111, 200, 201, 300, 301. May not be taken if a more advanced language acquisition course in this subject has previously been passed

KOREAN 277 15 Points **Korean Study Abroad 2A**

Refer to the entry for Language Study Abroad.

Prerequisite: Approval of Academic Head or nominee

KOREAN 278 15 Points **Korean Study Abroad 2B**

Refer to the entry for Language Study Abroad.

Prerequisite: KOREAN 277 and approval of Academic Head or nominee

Stage III

KOREAN 300 15 Points **Advanced Korean 1**

Korean grammar at an advanced level. A continuation of KOREAN 201.

Prerequisite: KOREAN 201

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

KOREAN 301 15 Points

Advanced Korean 2

Designed to emphasise comprehension and composition of Korean texts.

Prerequisite: KOREAN 300

KOREAN 305 15 Points **Korea through TV Drama and Film**

Examines some of the cultural, social and political issues of contemporary South Korea through a selection of popular TV dramas and films.

Prerequisite: 30 points at Stage II in Asian Studies, Chinese, Japanese or Korean or Media and Screen Studies

Restriction: ASIAN 202, KOREAN 205

KOREAN 306 15 Points **Special Topic**

KOREAN 377 15 Points **Korean Study Abroad 3A**

Refer to the entry for Language Study Abroad.

Prerequisite: Approval of Academic Head or nominee

KOREAN 378 15 Points **Korean Study Abroad 3B**

Refer to the entry for Language Study Abroad.

Prerequisite: KOREAN 377 and approval of Academic Head or nominee

KOREAN 381 15 Points **Korean Study Abroad 3C**

Formal language study at an approved overseas institution where the language of instruction is Korean. May include supplementary study at the University of Auckland.

Prerequisite: KOREAN 301 or 377 or 378 and approval by Academic Head or nominee

Language Study Abroad

The Language Study Abroad courses are intended to permit students to take advantage of opportunities for formal language study in an approved overseas institution where instruction is in a language other than English. Supplementary study at the University of Auckland may be required as part of these courses.

Students taking one of these courses should enrol prior to undertaking the overseas study, and enrolment is subject to approval of the planned overseas study by the Academic Head or nominee for the language subject concerned. A final grade for any of the courses will be based on formal assessment of achievement in the language concerned, together with any other work required by the Academic Head or nominee.

The courses available for Language Study Abroad are listed under the following subjects: Arts General, Chinese, French, German, Italian, Japanese, Korean, Russian and Spanish.

Language Teaching and Learning

Stage I

LANGTCHG 101 15 Points **Introduction to Language Teaching**

An introduction to a range of approaches to second language teaching and the theories of language and learning which underpin them. Students will explore the basic concepts related to current approaches to ELT in current contexts of learning.

Stage II**LANGTCHG 202 15 Points**
Introductory English Language Analysis for Teachers

Introduces key concepts of phonology, grammar and vocabulary of English and develops an understanding of how they function as systems in written and spoken English. Develops the skills needed to formally analyse the phonological, lexical and grammatical systems of English. Illustrates how linguistic descriptions can be applied in language teaching.

Prerequisite: 30 points passed or approval of Academic Head or nominee.

LANGTCHG 205 15 Points
Developing Literacy in a Second Language

Examines the theory and practice related to the development of both initial and advanced literacy in a second language: how reading and writing skills are developed in a second language; the interdependency of first and second language literacy skills; effective instructional methods and the role played by second language literacy in the development of academic skills where English is the medium of instruction.

Prerequisite: 30 points passed or approval of Academic Head or nominee

LANGTCHG 206 15 Points
Special Topic: Language Learning and the Brain

Introduces prominent cognitive aspects of language learning. These include memory, attention, code-switching, and multimodal integration when learners form correspondences between linguistic and sensory input. Examines the power of language to influence brain responses and optical illusions. The mechanisms of linguistic influence on the brain, and their implications for teaching, will be explored from multiple angles.

Prerequisite: 30 points passed

LANGTCHG 207 15 Points
Instructed Language Learning

Introduces the study of the language acquisition-rich classroom by considering how a second or foreign language is learned, and explores different aspects of language teaching from the perspective of language learning and factors responsible for individual differences in learning. Students will consider concepts and research in instructed language learning in relation to classroom, institutional, and broader social and political contexts.

Prerequisite: 30 points passed or approval of Academic Head or nominee

Restriction: LANGTCHG 303

LANGTCHG 209 15 Points
Using Tasks in Language Teaching

Students learn about task-based language teaching and have opportunities for hands-on practice in developing tasks for use in the language classroom. The course also enhances students' understanding of the difference between task-based teaching and traditional approaches to language teaching.

Prerequisite: LANGTCHG 101 or 30 points passed or approval of Academic Head or nominee

Restriction: LANGTCHG 306

Stage III**LANGTCHG 300 15 Points**
Theory and Practice of Language Teaching

A general introduction to English language teaching. This course requires students to undertake a study of

current theory and practice relating to the teaching of the knowledge systems of English and of language skills.

Prerequisite: LANGTCHG 101 or 202 or 30 points passed at Stage II or above or approval of Academic Head or nominee

LANGTCHG 301 15 Points
The Second Language Curriculum

Introduces principles and procedures used in course design and to evaluate TEFL courses, coursebooks and materials. Develops a practical understanding of how to set about planning an EFL curriculum.

Prerequisite: LANGTCHG 101 or 30 points passed at Stage II or above or approval of Academic Head or nominee

LANGTCHG 302 15 Points
Practical Language Teaching

Develops an understanding of the procedures, techniques and options used in teaching language lessons; helps participants to design and deliver effective language lessons for a variety of contexts; and introduces participants to a variety of tools for teacher development such as peer teaching, peer observation, and reflective teaching.

LANGTCHG 304 15 Points
The Young Second Language Learner

Examines the experience of children aged 6-12 years and adolescents aged 12-19 in learning a second language. Gives particular attention to the social, cognitive and psychological characteristics of children; examines the needs of young learners of a second language and how languages are learned in different contexts.

Prerequisite: LANGTCHG 101 or 30 points at Stage II or above or approval of the Academic Head or nominee

LANGTCHG 305 15 Points
Special Topic**LANGTCHG 307 15 Points**
Special Topic

Prerequisite: 30 points passed at Stage II

LANGTCHG 308 15 Points
Special Topic**LANGTCHG 309 15 Points**
Second/Foreign Language Teaching Experience

Students teach English (or another language) for an organisation (local or abroad) approved by the Academic Head or nominee. Excludes teaching in a NZ primary, intermediate or secondary school.

Prerequisite: LANGTCHG 101, 202, 300, 301, 302 with a B average or higher and approval of Academic Head or nominee

LANGTCHG 311 15 Points
Language and Technology

Introduces students to theoretical and practical aspects of using technology for language learning and teaching purposes. Enables students to develop confidence in their ability to integrate technology into their teaching, and in their capacity to explore other technological applications in response to workplace needs. Students will also experience and reflect upon the language learning dimension, and critically examine on the relative benefits of particular applications with reference to sound pedagogical principles.

Prerequisite: 30 points passed at Stage II

LANGTCHG 312 15 Points
Special Topic

Postgraduate 700 Level Courses**LANGTCHG 701 15 Points**
Multilingual Lives - Level 9

Examines main theoretical approaches to understanding multilingualism. Students acquire specialised knowledge of different approaches to addressing the needs of an ethnolinguistically diverse population, and develop a critical awareness of issues and debates in the field. Assignments involve substantial independent research that includes the analysis of factors that influence the acquisition, maintenance, and use of multiple languages in individuals' lives.

LANGTCHG 708 15 Points
Special Topic: Experimental Approaches to SLA

Familiarises students with experiments that investigate second language acquisition. There are two goals. First, to develop an understanding of a range of methods in the field, which include categorisation and memory tests, eye-tracking, measuring skin conductance responses and brain signals. Second, to train students to critically read reports from experiments and to evaluate their relevance for SLA research.

LANGTCHG 710 15 Points
Task-based Language Teaching

Examines research that has investigated task-based second language learning and the theoretical rationale for task-based language teaching. Also considers factors in the design of task-based syllabuses and methodological options for lessons based on tasks, and problems in implementation.

LANGTCHG 715 15 Points
Developing Academic Literacy

Aims to help participants understand and develop their academic literacies. Focuses on texts involved in the research process, such as review articles, research paper proposals, dissertations and conference abstracts; makes extensive reference to findings from genre and corpus-based analyses; and includes conducting mini-analyses on the discourse in participants' own disciplines.

LANGTCHG 734 15 Points
Identity in Language Teaching and Learning

Explores the concepts of language learner identity and language teacher identity. The course reviews theory and research on identity and considers the practical applications of identity research and debates in classroom practice. Students conduct an independent self-reflective project.

LANGTCHG 739 15 Points
Directed Study

Supervised research on an approved topic or topics related to language teaching and learning.

LANGTCHG 740 15 Points
Language Analysis for Teachers

Develops an advanced understanding of the structures of English and advanced skills of analysing the key concepts and features of English phonology, morphology, syntax and vocabulary from the perspective of second/foreign language teaching.

Restriction: LANGTCHG 720

LANGTCHG 746 15 Points
Materials Development and Evaluation

Examines the principles and processes of designing,

adapting and evaluating language teaching materials for teaching language systems and language skills. Examines the role materials development play in professional development.

LANGTCHG 751 15 Points
Corpus Studies in Applied Linguistics

Covers the theoretical and practical aspects of using corpora to promote language learning. A major part of the course will focus on using corpora and text analysis tools to provide a description of language as it is used by different people for different purposes. Once we have a good description of language usage, we can move on to consider the role of corpus studies in language teaching.

LANGTCHG 752 15 Points
Computer Assisted Language Learning

Covers the theoretical and practical aspects of using technology to promote language learning. Includes culture and CALL, exercise authoring, CALL research, technology and the four skills, web-based language learning, computer-mediated communication, and CALL evaluation.

LANGTCHG 754 15 Points
English for Specific Purposes

Considers theory and practice in developing language courses to meet the specific academic or work-related needs of adult learners. In particular, it focuses on analysis of target communication, needs analysis, issues and methodologies in ESP and ESP research. Uses the example of English for Specific Purposes but is relevant to the teaching of other languages for specific purposes as well.

LANGTCHG 756 15 Points
Special Topic**LANGTCHG 757 15 Points**
Conducting Research in Applied Language Studies - Level 9

Explores advanced theoretical perspectives for research into second/foreign language learning, teaching, and use. Enables students to acquire an advanced understanding of selected research methods. Students work independently on a small-scale project, which involves the collection and analysis of data on second or foreign language learning, teaching or use.

Restriction: LANGTCHG 732, 745

LANGTCHG 760 15 Points
Curriculum Design - Level 9

Advanced level study of theoretical principles and current issues in the second language curriculum. Includes historical examination of influential approaches and methods, with particular attention to the development and current position of communicative approaches. Examines issues associated with course design processes including assessment of needs, objectives setting, syllabus and materials selections, and course evaluation.

Restriction: LANGTCHG 741

LANGTCHG 761 15 Points
Sociolinguistics - Level 9

Examines sociolinguistic concepts relevant to understanding influences on language use at the level of individuals, social groups and institutions. Enables students to acquire an advanced understanding of social and regional dialects, perceived differences in the market status of particular languages, the use of sociolects and ethnolects in the

media and other public domains, and policies and practices concerning migrant and heritage language maintenance.
Restriction: LANGTCHG 749

LANGTCHG 762 15 Points

Second Language Acquisition - Level 9

Advanced study of current theories of second language acquisition and research that have examined both instructed and naturalistic acquisition. Includes an independent study involving analysis of learner language and writing a standard research report and a critique of a pedagogical approach, drawing on contemporary research on how languages are learned.

Restriction: LANGTCHG 722, 723, 743

LANGTCHG 763 15 Points

Discourse Analysis - Level 9

Examines major theoretical approaches to the analysis of discourse and implications for pedagogy. Students acquire specialised knowledge of approaches to analysis and frameworks that underpin research, and develop advanced skills in written and spoken text analysis and critical awareness of issues and debates in the field. Assignments involve substantial independent research that includes analysis and interpretation of data.

Restriction: LANGTCHG 744

LANGTCHG 764 15 Points

Creativity: Research and Practice - Level 9

Theoretical perspectives, pedagogical practices and research projects related to the topic of creativity in language learning and teaching. Enables students to acquire an advanced understanding of the concept of 'creativity' with reference to language teaching and learning through exploratory research, practice and reflection.

Restriction: LANGTCHG 755

LANGTCHG 765 15 Points

Language Testing and Assessment - Level 9

Advanced study of theoretical principles and current issues in language testing, assessment and evaluation, and their application to teaching practice and research. Examines issues associated with the creation of valid and reliable assessments, and the implications for course design processes, with particular attention to the testing, assessment and evaluation of communicative language proficiency.

Restriction: LANGTCHG 742

LANGTCHG 790 30 Points

LANGTCHG 790A 15 Points

LANGTCHG 790B 15 Points

Research Project - Level 9

Prerequisite: A GPA of 7.0 or higher over four courses from LANGTCHG 700, 701, 710, 715, 716, 739, 740, 746, 747, 751, 752, 754, 756, 757, 760-765

To complete this course students must enrol in LANGTCHG 790 A and B, or LANGTCHG 790

LANGTCHG 793 60 Points

LANGTCHG 793A 30 Points

LANGTCHG 793B 30 Points

Dissertation - Level 9

To complete this course students must enrol in LANGTCHG 793 A and B, or LANGTCHG 793

LANGTCHG 796A 60 Points

LANGTCHG 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in LANGTCHG 796 A and B

LANGTCHG 797A 60 Points

LANGTCHG 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in LANGTCHG 797 A and B

Languages and Literature

Postgraduate 700 Level Courses

LANGLIT 792 45 Points

LANGLIT 792A 22.5 Points

LANGLIT 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in LANGLIT 792 A and B, or LANGLIT 792

LANGLIT 794 60 Points

LANGLIT 794A 30 Points

LANGLIT 794B 30 Points

Dissertation - Level 9

To complete this course students must enrol in LANGLIT 794 A and B, or LANGLIT 794

LANGLIT 796A 60 Points

LANGLIT 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in LANGLIT 796 A and B

LANGLIT 797A 60 Points

LANGLIT 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in LANGLIT 797 A and B

Latin

Stage I

LATIN 100 15 Points

LATIN 100G 15 Points

Introduction to Latin Language 1

An introduction to the vocabulary and the grammar of simple sentences in Latin.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

LATIN 101 15 Points

Introduction to Latin Language 2

An advancing beginner's course in the vocabulary and the grammar of complex sentences in Latin.

Prerequisite: LATIN 100 or approval of Academic Head or nominee

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Stage II

LATIN 200 15 Points

Latin Language Acquisition: Intermediate

The analysis and description of Latin grammar, practice

in the translation of Latin to and from English, vocabulary acquisition.

Prerequisite: LATIN 101 or 201 or 202 or approval of Academic Head or nominee

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

LATIN 201 15 Points

Latin Literary Texts 2A

Detailed study of prescribed texts with reference to their language and meaning, and critical appreciation of their literary, historical and/or philosophical qualities.

Prerequisite: LATIN 101 or 200 or 202 or approval of Academic Head or nominee

LATIN 202 15 Points

Latin Literary Texts 2B

Detailed study of prescribed texts with reference to their language and meaning, and critical appreciation of their literary, historical and/or philosophical qualities.

Prerequisite: LATIN 101 or 200 or 201 or approval of Academic Head or nominee

LATIN 203 15 Points

Latin Literary Texts 2C

Detailed study of prescribed texts with reference to their language and meaning, and critical appreciation of their literary, historical and/or philosophical qualities.

Prerequisite: LATIN 201

LATIN 204 15 Points

Latin Literary Texts 2D

Detailed study of prescribed texts with reference to their language and meaning, and critical appreciation of their literary, historical and/or philosophical qualities.

Prerequisite: LATIN 202

LATIN 205 15 Points

Special Topic: Latin Texts

Study of literary texts in Latin.

Prerequisite: LATIN 101 or approval of Academic Head or nominee

Stage III

LATIN 300 15 Points

Advanced Language Study Part 1

The structure and use of the Latin language including the use of non-classical Latin.

Prerequisite: 30 points from LATIN 200-205

LATIN 301 15 Points

Latin Literary Texts 3A

Detailed study of prescribed texts with reference to their language and meaning, and critical appreciation of their literary, historical and/or philosophical qualities.

Prerequisite: 30 points from LATIN 200-205

LATIN 302 15 Points

Latin Literary Texts 3B

Detailed study of prescribed texts with reference to their language and meaning, and critical appreciation of their literary, historical and/or philosophical qualities.

Prerequisite: 30 points from LATIN 200-205

LATIN 305 15 Points

Directed Study

Directed reading and individual study on a topic approved by the Academic Head or nominee.

Prerequisite: 30 points from LATIN 200-205 and approval of Academic Head or nominee

LATIN 310 15 Points

Advanced Language Study Part 2

An advanced analytical study of Latin; translation.

Prerequisite: 30 points from LATIN 200-205

Postgraduate 700 Level Courses

LATIN 707 30 Points

LATIN 707A 15 Points

LATIN 707B 15 Points

Selected Latin Texts 1

Selected texts will be set for translation and explanation.

To complete this course students must enrol in LATIN 707 A and B, or LATIN 707

LATIN 709 30 Points

LATIN 709A 15 Points

LATIN 709B 15 Points

Directed Study

Directed reading and individual study on a topic approved by the Graduate Adviser.

Prerequisite: Approval of Academic Head or nominee

To complete this course students must enrol in LATIN 709 A and B, or LATIN 709

LATIN 714 15 Points

LATIN 714A 7.5 Points

LATIN 714B 7.5 Points

Translation Portfolio: Latin to English

A learning portfolio which may include practical exercises in translation, comparative study of different translations of one or more Latin authors, stylistic analysis, or study of the translation history of one or more Latin texts.

Restriction: LATIN 700

To complete this course students must enrol in LATIN 714 A and B, or LATIN 714

LATIN 792 45 Points

LATIN 792A 22.5 Points

LATIN 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in LATIN 792 A and B, or LATIN 792

LATIN 794A 45 Points

LATIN 794B 45 Points

Thesis - Level 9

To complete this course students must enrol in LATIN 794 A and B

LATIN 796A 60 Points

LATIN 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in LATIN 796 A and B

LATIN 797A 60 Points

LATIN 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in LATIN 797 A and B

Latin American Studies

Stage II

LATINAM 200 15 Points

Special Topic: Latin American Icons

An examination of the ways in which Latin America, as a

place and a people, has served as a site of otherness and exoticism, providing an economic and symbolic capital for the consumption and pleasure of colonial, neo-colonial and neo-liberal powers. Latin American cultural studies texts offer students a way to read against the grain established by this process.

Prerequisite: 30 points from BA courses or 15 points from BGlobalSt courses

Restriction: LATINAM 306

LATINAM 201 15 Points

Latin American History and Culture Through Film

A journey through five moments of Latin American history and culture, from its creation as a region imagined through the gaze of colonialism, through the development of an independent, revolutionary Third Cinema, to the present when globalisation is critiqued from the periphery.

Prerequisite: 15 points from COMMS 100, FTVMS 100, 101, 112, MEDIA 101, SPANISH 103, 105, 200, 201, 277, 278, 319, 321, 377, 378, or 45 points in BGlobalSt courses

Restriction: LATINAM 303

LATINAM 202 15 Points

Study Abroad (Latin America)

A minimum of four weeks of study at an overseas institution approved by the Spanish and Latin American Study Abroad Adviser.

Prerequisite: Programme Coordinator approval

LATINAM 210 15 Points

Visual Cultures and Industries in Latin America

Follows transformations in Latin American visual cultures and culture industries since the 1930s, from the liberal to the neoliberal era. Throughout this history, who controls visual media production and how does this control relate to democracy? Have recent alliances between Indigenous groups and social movements to introduce new Media Laws successfully widened participation and challenged corporate media ownership?

Prerequisite: 45 points in BA courses or approval of Programme Coordinator

Restriction: LATINAM 310

LATINAM 216 15 Points

Music, Politics and Social Change

A theorised study of the history of twentieth-century social movements in Latin America through its poetry and music, largely as expressed in popular forms. The major focus is on the political and cultural manifestations of these expressions as they respond to and instigate social change.

Prerequisite: 15 points from SPANISH 103, 105, 200, 201, 277, 278, 319, 321, 377, 378

Restriction: LATINAM 301, SPANISH 216

Stage III

LATINAM 301 15 Points

Music, Politics and Social Change

A theorised study of the history of twentieth-century social movements in Latin America through its poetry and music, largely as expressed in popular forms. The major focus is on the political and cultural manifestations of these expressions as they respond to and instigate social change.

Prerequisite: 15 points from LATINAM 201, SPANISH 202, 306, or 30 points at Stage II in BGlobalSt courses

Restriction: LATINAM 216, SPANISH 216

LATINAM 302 15 Points

Special Topic

Prerequisite: 15 points from LATINAM 201, SPANISH 202, 306

LATINAM 303 15 Points

Latin American History and Culture through Film

A journey through five moments of Latin American history and culture, from its creation as a region imagined through the gaze of colonialism, through the development of an independent, revolutionary Third Cinema, to the present when globalisation is critiqued from the periphery.

Prerequisite: 15 points from LATINAM 216, 301, SPANISH 202, or 30 points at Stage II in BGlobalSt courses

Restriction: LATINAM 201

LATINAM 304 15 Points

Study Abroad (Latin America)

A minimum of four weeks of study at an overseas institution approved by the Spanish and Latin American Study Abroad Adviser.

Prerequisite: 30 points at Stage II from the BA schedule or approval of Academic Head or nominee

LATINAM 306 15 Points

Latin American Icons: The Political Economy of Otherness

An examination of the ways in which Latin America, as a place and a people, has served as a site of otherness and exoticism providing economic and symbolic capital for the consumption and pleasure of colonial, neo-colonial and neo-liberal powers. Latin American cultural studies texts offer students a way to read against the grain established by this process.

Prerequisite: 15 points from LATINAM 201, 216, SPANISH 201, 202, or 30 points at Stage II in BGlobalSt courses

Restriction: SPANISH 306, 729

LATINAM 310 15 Points

Visual Cultures and Industries

Follows transformations in Latin American visual cultures and culture industries since the 1930s, from the liberal to the neoliberal era. Throughout this history, who controls visual media production and how does this control relate to democracy? Have recent alliances between Indigenous groups and social movements to introduce new Media Laws successfully widened participation and challenged corporate media ownership?

Prerequisite: 45 points at Stage II in BA courses or approval of Programme Coordinator

Restriction: LATINAM 210

LATINAM 320 15 Points

Latin American Knowledges

An examination of new knowledges produced in Latin America that have influenced socio-political theory and global epistemological paradigms but are subalternised as art, culture, or politics. Therefore this course will examine the link between theory and practice in the creation of new knowledge.

Prerequisite: 15 points from LATINAM 201, 216, POLITICS 234, SOCIO 210, SPANISH 202, or 30 points at Stage II in BGlobalSt courses

Restriction: SPANISH 720

LATINAM 350 15 Points

Directed Reading and Research

Supervised research projects.

Prerequisite: 75 points in Latin American Studies at Stages I and II, and approval of Academic Head or nominee

Linguistics

Stage I

LINGUIST 100 15 Points
Introduction to Linguistics

An introduction to the main areas of linguistics: the production and function of sounds in language (phonetics and phonology), word structure and word formation (morphology), the principles of grammar through a study of sentence structure (syntax), and various aspects of meaning (semantics). The course is a self-contained introduction and assumes no prior knowledge of linguistics or language study.

Restriction: LINGUIST 103

LINGUIST 101 15 Points
LINGUIST 101G 15 Points

Language, Mind and Society

A survey of three areas: the interaction between language structure and use on the one hand, and social structure and social norms on the other (sociolinguistics); the relationship between linguistic and cultural knowledge (anthropological linguistics); and the inter-relationship of language and other cognitive structures, especially as it is revealed through language acquisition (psycholinguistics).

Stage II

LINGUIST 200 15 Points
Syntax

Continues on from LINGUIST 100 or 103 and consists of a formal and a functional part, providing problems and exercises in syntactic analysis, as well as an introduction to grammatical theories and types of grammatical system.

Prerequisite: LINGUIST 100 or 103

LINGUIST 201 15 Points
Phonetics and Phonology

Includes a survey of speech sounds in the world's languages, an overview of speech production and perception, and an introduction to how these sounds are organised into language. Includes a practical component in which theories are applied to language data.

Prerequisite: LINGUIST 100 or 103

LINGUIST 203 15 Points
Applied English Grammar

Covers the different types of sentences in English, with special attention to the relationship between grammar and meaning, tense, aspect and voice; their roles in texts, such as foregrounding, backgrounding and highlighting information, and introducing new information. Students will be shown how to distinguish standard and non-standard varieties of written English, and how to judge if written sentences are effective, appropriate and grammatical.

Prerequisite: 15 points at Stage I

LINGUIST 206 15 Points
Semantics and Pragmatics

An introduction to a wide range of issues of contemporary relevance to the study of meaning. The semantics part includes topics in structural, truth-conditional and cognitive semantics. The pragmatics part covers some of the basic topics in pragmatics.

Prerequisite: LINGUIST 100 or 103

Restriction: LINGUIST 302

LINGUIST 207 15 Points
English Language to 1900

Introduction to the history of the English language from its origins to 1900, with an emphasis on the development of sound changes, grammar, words and meanings in sociocultural and historical contexts.

Prerequisite: 30 points in English or Linguistics

Restriction: ENGLISH 203

LINGUIST 208 15 Points
Special Topic

LINGUIST 209 15 Points
Special Topic

Stage III

LINGUIST 300 15 Points
Advanced Syntax

A continuation of LINGUIST 200. Examines selected topics, such as syntactic dependencies, movement, grammatical relations, phrase structure, typology and universals.

Prerequisite: LINGUIST 200

LINGUIST 301 15 Points
Advanced Phonology

A continuation of LINGUIST 201, introducing a more theoretical approach to phonology including distinctive feature theory, syllable theory, metrical phonology, autosegmental phonology and lexical phonology. Issues are explored in the context of a constraint-based approach to phonology. Includes a practical component in which theories are applied to language data.

Prerequisite: LINGUIST 201

LINGUIST 305 15 Points
Child Language Acquisition

Examines the patterns and mechanisms by which children acquire knowledge of their native language and assesses a number of current theories which have been developed to explain the process.

Prerequisite: LINGUIST 200 or 201 or 203

LINGUIST 308 15 Points
Language Change

Introduces long-term historical trends, types of language change, language families and comparative reconstruction.

Prerequisite: LINGUIST 200, 201

Restriction: LINGUIST 202

LINGUIST 310 15 Points
Linguistics Essays Course

Students undertake supervised research.

Prerequisite: Permission of Academic Head or nominee

LINGUIST 311 15 Points
Special Topic

LINGUIST 314 15 Points
Special Topic

LINGUIST 315 15 Points
Special Topic

LINGUIST 320 15 Points
Topics in Pragmatics

Pragmatics is the systematic study of language in use and is a rapidly developing discipline in linguistics. This course will give a critical survey of the central topics and the latest developments of pragmatics. The domain of pragmatics,

implicature, presupposition, speech act and deixis will be among the issues dealt with in individual lectures.

Prerequisite: LINGUIST 100

LINGUIST 322 15 Points

Middle English: Language and Change

A study of the origins, development and influences on English until around 1500.

Prerequisite: 15 points from LINGUIST 200, 201, ENGLISH 203

LINGUIST 324 15 Points

Morphology

Provides an overview of linguistic morphology and the various strategies of word formation across languages. Theories such as Distributed Morphology, Lexical Phonology and Morphology, Lexeme-Based Morphology, Prosodic Morphology, and Word Syntax will be discussed, and the course will include a practical component in which these theories are applied to language data.

Prerequisite: LINGUIST 100 or 103

Postgraduate 700 Level Courses

LINGUIST 700 15 Points

Directed Study

LINGUIST 701 15 Points

Special Topic

LINGUIST 704 15 Points

Special Topic

LINGUIST 705 15 Points

Field Methods: Phonetics and Phonology

Students analyse the structure of an unfamiliar language, focusing on phonetics and phonology. The language studied in LINGUIST 705 and 706 may be the same in any given academic year.

Prerequisite: LINGUIST 201 and either LINGUIST 300 or 313

Restriction: LINGUIST 707

LINGUIST 706 15 Points

Field Methods: Morpho-syntax

Students analyse the structure of an unfamiliar language, focusing on morphosyntax. The language studied in LINGUIST 705 and 706 may be the same in any given academic year.

Prerequisite: LINGUIST 201 and either LINGUIST 300 or 313

Restriction: LINGUIST 707

LINGUIST 709 15 Points

Linguistic Research

Research methods and practices in Linguistics, which provides students with skills necessary for carrying out linguistic research. In addition to practicum sessions students will propose, develop and complete an independent research project.

LINGUIST 721 15 Points

Formal Syntax

Formal theories of syntax, generative grammar, and current topics of interest to students. This could include: LFG, Minimalism, the DP analysis, theories of argument structure, and/or formal models of language processing.

LINGUIST 722 15 Points

Phonology

A range of topics from the field of non-linear phonology, including autosegmental phonology, syllable theory, feature geometry and CV phonology.

LINGUIST 724 15 Points

Semantics and Pragmatics

Deals with a wide range of issues in semantics and especially pragmatics. Topics may include implicature, presupposition, speech act, deixis, reference, pragmatics and cognition, pragmatics and semantics, and pragmatics and syntax.

Prerequisite: LINGUIST 206 or 302, or equivalent

LINGUIST 736 15 Points

Issues in Advanced Morphology

Focuses on competing theoretical models of morphology and includes application of one theory in an extended analysis.

LINGUIST 739 15 Points

Directed Study

Directed reading and individual study course designed in consultation with appropriate staff according to the field of research.

LINGUIST 743 15 Points

Special Topic

LINGUIST 790 30 Points

LINGUIST 790A 15 Points

LINGUIST 790B 15 Points

Research Project - Level 9

To complete this course students must enrol in LINGUIST 790 A and B, or LINGUIST 790

LINGUIST 791 60 Points

LINGUIST 791A 30 Points

LINGUIST 791B 30 Points

Dissertation - Level 9

To complete this course students must enrol in LINGUIST 791 A and B, or LINGUIST 791

LINGUIST 792 45 Points

LINGUIST 792A 22.5 Points

LINGUIST 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in LINGUIST 792 A and B, or LINGUIST 792

LINGUIST 793A 45 Points

LINGUIST 793B 45 Points

Thesis - Level 9

To complete this course students must enrol in LINGUIST 793 A and B

LINGUIST 796A 60 Points

LINGUIST 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in LINGUIST 796 A and B

Logic and Computation

Stage II

LOGICOMP 201 15 Points

Special Topic

Stage III

LOGICOMP 300 15 Points

Directed Study

Prerequisite: Approval of Academic Head or nominee

LOGICOMP 301 15 Points
Philosophy and Computation
 Covers a range of issues arising from the engagement of philosophy and computer science. Topics include the nature of computation, the limits of computation, and philosophical problems facing Artificial Intelligence.
Prerequisite: COMPSCI 120, and PHIL 216 or 222

LOGICOMP 302 15 Points
Special Topic

LOGICOMP 399 15 Points
Capstone: Logic and Computation
 Potential topics relate logic and computation, and their roles in modern information society. Topics and reading material are introduced before students pick topics, to work alone or in small teams. The topics will be chosen to be accessible to all participants, thereby fostering interaction and interdisciplinary collaboration.
Prerequisite: 30 points at Stage III in Logic and Computation

Postgraduate 700 Level Courses

LOGICOMP 701 15 Points
Directed Studies
 Supervised research studies in an area of logic and computation.

LOGICOMP 702 15 Points
Special Topic

LOGICOMP 703 15 Points
Directed Study
 Supervised research studies in an area of logic and computation.

LOGICOMP 704 15 Points
Special Topic

LOGICOMP 705 15 Points
Special Topic

LOGICOMP 782 30 Points

LOGICOMP 782A 15 Points

LOGICOMP 782B 15 Points

Research Project - Level 9

Restriction: LOGICOMP 780, 788

To complete this course students must enrol in LOGICOMP 782 A and B, or LOGICOMP 782

LOGICOMP 796A 60 Points

LOGICOMP 796B 60 Points

Thesis - Level 9

Prerequisite: A BA(Hons) in Logic and Computation with at least Second Class Honours, First Division, or equivalent

To complete this course students must enrol in LOGICOMP 796 A and B

Māori Studies

Stage I

MĀORI 101 15 Points

MĀORI 101G 15 Points

Introduction to Written Māori

An introduction to listening, reading, writing and translation techniques used in the composition, reading and understanding of basic Māori. Designed for students with little or no knowledge of the language, and for those

with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

MĀORI 103 15 Points

MĀORI 103G 15 Points

Introduction to Spoken Māori

An introduction to spoken Māori for those with no previous knowledge of the language. Concentrates on the acquisition of aural and oral skills, developing the ability to understand and speak Māori.

Restriction: MĀORI 106. May not be taken if a more advanced language acquisition course in this subject has previously been passed

MĀORI 104 15 Points

Reo Tuatahi Kōrero 1

The development of skills in speaking, writing and hearing language. This course is intended for students with a good command of Māori. He akoranga rumaki reo Māori tēnei, ka mutu, he akoranga ā-wānanga.

Restriction: MĀORI 103, 106

MĀORI 130 15 Points

MĀORI 130G 15 Points

Te Ao Māori: The Māori World

An introduction to Māori analyses of topics that are often discussed and sometimes controversial, and that continue to shape contemporary life in New Zealand. Topics include aspects of world view, philosophy and social organisation; the Declaration of Independence, the Treaty of Waitangi and European immigration; and contemporary issues including Treaty claims, ownership of the foreshore and seabed and constitutional issues.

MĀORI 131 15 Points

Te Taumata Ngaio: Te Reo 1

An introduction to te reo Māori for University of Auckland staff members with little or no previous knowledge of the language. This course concentrates on the acquisition of written, aural, and oral skills, with a particular focus on te reo Māori for professional contexts, developing the ability to understand and speak Māori, with confidence and competence.

Restriction: MĀORI 103, 106. May not be taken if a more advanced language acquisition course in this subject has previously been passed. Available to University of Auckland staff only.

MĀORI 190 15 Points

Kapa Haka 1

An introductory course for beginners or others who have only a minimal knowledge of traditional and contemporary Māori performing arts. The course is strongly practical. It will stress the fundamentals of performance and the various social, cultural and political settings that give it meaning.

Stage II

MĀORI 200 15 Points

Kaupapa Hōu: Special Topic: Māori Health and Wellbeing

Draws on critical and ecological approaches to examine Māori health and its contribution to understanding the challenges and impacts of poverty, inequality, racism, discrimination, privilege and power for Māori health across Aotearoa. This course covers topics relevant to students who wish to draw upon Māori health in applied settings and research whilst working responsibly with Māori and other indigenous peoples.

MĀORI 201 15 Points
Whakatakoto Reo Tuarua / Intermediate Written Māori
 Follows on from MĀORI 101. Techniques in listening, reading, writing and translation are further developed.
Prerequisite: MĀORI 101 or 105
Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

MĀORI 202 15 Points
Decolonising the Screen in Aotearoa
 An in-depth examination of the socio-cultural and political impact of New Zealand films foregrounding Māori, both in front of and especially, behind the camera. The course looks primarily at how Māori filmmakers have used cinema as a means to reassert cultural identity and tino rangatiratanga, from its activist beginnings during the Māori Cultural Renaissance in the 1980s, to the present.
Prerequisite: 60 points at Stage I or approval of Academic Head or nominee
Restriction: MĀORI 303

MĀORI 203 15 Points
Intermediate Spoken Māori
 Continuing the development of language skills that will facilitate students' own communicative ability.
Prerequisite: MĀORI 103 or 131
Restriction: MĀORI 206. May not be taken if a more advanced language acquisition course in this subject has previously been passed

MĀORI 204 15 Points
Reo Tuarua Kōrero II
 Further development of listening and oral skills. This course follows on from MĀORI 104 or EDPROFM 101 and is structured to advance listening and oral skills. He akoranga rumaki reo Māori tēnei, ka mutu, he akoranga ā-wānanga.
Prerequisite: MĀORI 104 or EDPROFM 101
Restriction: MĀORI 203, 206

MĀORI 230 15 Points
Te Ao Hurihuri / Te Tiriti o Waitangi
 Follows on from MĀORI 130, examining aspects of traditional Māori society that continue to challenge and mould contemporary life in New Zealand. Topics are covered from a Māori perspective and include the Treaty of Waitangi, the role of the churches in colonisation, language loss and revitalisation, the modern protest movements and the influence of the issues raised on Māori-Pākehā relations.
Prerequisite: MĀORI 130 or 60 points passed

MĀORI 233 15 Points
Tikanga Ancestral Ways
 Examines tikanga (ancestral ways of living) and how these have changed since the arrival of Māori in Aotearoa. Beginning with topics of contemporary interest such as land use, the sea, kinship, gender relations, justice, health and economics, this course will trace the patterns of ancestral life, explore historical debates and reflect upon possible futures.
Prerequisite: 30 points passed
Restriction: MĀORI 396

MĀORI 270 15 Points
Kaupapa Hōu: Special Topic

MĀORI 271 15 Points
Māori and the Media / Te Ao Pāho
 Examines the interrelationship between Māori and media. The course falls into two main strands: the representation of Māori and te ao Māori across a range of mainstream media, both historic and contemporary, and media made

by Māori, for both a general audience and for a Māori audience. The course will draw on theories of political economy, postcolonialism and Kaupapa Māori.
Prerequisite: 30 points passed
Restriction: MĀORI 370

MĀORI 292 15 Points
Kapa Haka 2
 Examines traditional and contemporary Māori performing arts and covers all aspects of Māori performance including whakaeke (entry), waiata mōteatea, waiata-ā-ringa (action song), poi, haka, whakawātea (exit). There is a strong practical element to the course as well as an analysis of social, cultural and political contexts of the songs and performance.
Prerequisite: MĀORI 190

Stage III

MĀORI 301 15 Points
Reo Māori Tuhitui
 Follows on from MĀORI 201. Advances skills and techniques in listening, reading, writing and translation. Examines the preservation of oral traditions including grammatical analysis and practical exercises in transcription and translation.
Prerequisite: MĀORI 201

MĀORI 302 15 Points
Reo Māori Kōrero
 Ko tēnei te pepa whakaohoho ake i ngā tau ka taha. Ko te whāinga, ko te whanake i ngā ture whakatakatoranga o te Reo Māori, mai i ngā tuhinga me ngā kōrero Māori kia pai ai te puta mai o te kōrero. Mai anō hoki i ngā tuhinga Māori, ka atā tirohia te ao o te Māori, te ātaahuatanga o te whakaahuatanga mai o te kōrero i roto i te Reo Māori.
Prerequisite: 15 points from MĀORI 203, 204, 206

MĀORI 303 15 Points
Decolonising the Screen in Aotearoa
 An in-depth examination of the socio-cultural and political impact of New Zealand films foregrounding Māori, both in front of and especially, behind the camera. The course looks primarily at how Māori filmmakers have used cinema as a means to reassert cultural identity and tino rangatiratanga, from its activist beginnings during the Māori Cultural Renaissance in the 1980s, to the present.
Prerequisite: 60 points at Stage II or approval of Academic Head or nominee
Restriction: MĀORI 202

MĀORI 304 15 Points
Kaupapa Hōu: Special Topic: Kaupapa Māori Research Methodologies
 Kaupapa Māori research methodologies is grounded within Mātauranga Māori (Māori epistemology), worldviews, and practices. Students will learn how Kaupapa Māori research methodologies is a critical approach to research practices relevant to Māori, drawing upon Mātauranga Māori, incorporates strategies of resistance to ongoing colonialism as a pathway toward tino rangatiratanga (Māori self-determination), whilst focusing on decolonising Western research practices.
Prerequisite: 30 points at Stage II from the BA

MĀORI 320 15 Points
Mātauranga: Māori Knowledge
 Explores the various facets of knowledge. This includes genealogy - cosmic, theogenic and anthropogenic (whakapapa), traditional songs (mōteatea), proverbs

(whakataukī). The aim is to help develop an understanding of a Māori world view and a te ao mārama paradigm through studying Māori epistemology.

Prerequisite: 15 points from MĀORI 201, 203, 206 or 30 points at Stage II

MĀORI 330 15 Points

Te Ao Hōu / Contemporary Māori Issues

An examination of contemporary issues and debates around Māori identity as indigenous peoples in the twenty-first century. Various aspects of Māori political, cultural, social and economic development in the twenty-first century will be discussed.

Prerequisite: 30 points at Stage II

MĀORI 335 15 Points

Mana Takekake / Indigenous Sovereignty and Public Policy

Examines the nature of the claims that indigenous minorities are making and the political strategies that they use to pursue their self-determining agendas in both domestic and international arenas. Concepts of indigenous and human rights, redistributive justice and others are discussed and explored in relation to contemporary demands of some indigenous peoples.

Prerequisite: 30 points at Stage II

MĀORI 370 15 Points

Māori and the Media / Te Ao Pāho

Examines the interrelationship between Māori and media. The course falls into two main strands: the representation of Māori and te ao Māori across a range of mainstream media, both historic and contemporary, and media made by Māori, for both a general audience and for a Māori audience. The course will draw on theories of political economy, postcolonialism and Kaupapa Māori.

Prerequisite: 30 points passed at Stage II in any subject

Restriction: MĀORI 271

MĀORI 393 15 Points

Kapa Haka 3

Advances the lessons learned in MĀORI 292. The practical aspects of performance remain paramount while the range is extended to cover in much greater depth and detail, ancient waiata, various forms and styles of haka and poi, leading into contemporary song, dance and choral works; analysis of the social, cultural and political issues that have inspired historical and contemporary works.

Prerequisite: MĀORI 292 or approval of Academic Head or nominee

MĀORI 394 15 Points

Kaupapa Hōu: Special Topic

Prerequisite: 15 points at Stage II in Māori Studies

MĀORI 396 15 Points

Tikanga: Ancestral Ways

Examines tikanga (ancestral ways of living) and how these have changed since the first arrival of the ancestors of Māori in Aotearoa. Beginning with topics of contemporary interest such as land use, the sea, kinship, gender relations, justice, health and economics, this course will trace the patterns of ancestral life, explore historical debates and reflect upon possible futures.

Prerequisite: 30 points at Stage II

Restriction: MĀORI 233

Postgraduate 700 Level Courses

MĀORI 700 30 Points

Reo Māori: Topic in Māori Language

An examination of developments in Māori and Polynesian

language description, analysis and preservation over the past 50 years.

MĀORI 732 30 Points

Rangatiratanga

A study of a theoretical framework for the analysis of cultural politics between Māori and Pākehā and between Indigenous Peoples and coloniser States, in particular He Whakaputanga o te Rangatiratanga o Nū Tirenī, Te Tiriti o Waitangi and the United Nations Declaration on the Rights of Indigenous Peoples.

MĀORI 733 30 Points

Kaupapa Hōu: Special Topic

MĀORI 734 30 Points

Kaupapa Hōu: Special Topic

MĀORI 740 30 Points

MĀORI 740A 15 Points

MĀORI 740B 15 Points

Kaupapa Hōu: Te Ao Māori: Special Topic

To complete this course students must enrol in MĀORI 740 A and B, or MĀORI 740

MĀORI 741 30 Points

Ngā Taonga Hanga: Taonga Māori

An extension of skills and research methods in material culture.

MĀORI 742 15 Points

MĀORI 742A 7.5 Points

MĀORI 742B 7.5 Points

Kaupapa Hōu: Special Topic

To complete this course students must enrol in MĀORI 742 A and B, or MĀORI 742

MĀORI 743 30 Points

Tōrangapū / Issues in Māori Politics and Policy

An examination of selected issues in public policy and their impact on Māori development.

MĀORI 744 30 Points

Whakaora ai Te Reo Māori - Sociolinguistics

The study of language revival and revitalisation strategies for te reo Māori that have been informed by research, especially the work undertaken since the 1970s Māori renaissance.

MĀORI 748 15 Points

Kaupapa Hōu: Special Topic

MĀORI 749 15 Points

Kaupapa Hōu: Special Topic

MĀORI 750 15 Points

Kaupapa Motuhake: Special Study in Māori Studies

A directed reading and individual study course under supervision approved by the Academic Head or nominee.

MĀORI 785 45 Points

MĀORI 785A 22.5 Points

MĀORI 785B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in MĀORI 785 A and B, or MĀORI 785

MĀORI 790 30 Points

MĀORI 790A 15 Points

MĀORI 790B 15 Points

Research Project - Level 9

Students will design and develop a research project. They

will become familiar with relevant methodological and ethical issues as well as designing and carrying out their research project.

To complete this course students must enrol in MĀORI 790 A and B, or MĀORI 790

MĀORI 792A 22.5 Points

MĀORI 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in MĀORI 792 A and B

MĀORI 793 60 Points

Dissertation - Level 9

MĀORI 796A 60 Points

MĀORI 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in MĀORI 796 A and B

MĀORI 797A 60 Points

MĀORI 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in MĀORI 797 A and B

Mātauranga

Stage I

MĀTAU 101 15 Points

Language Planning and Policy: New Zealand

Explores the principles of language planning for Indigenous and minority languages. Indigenous language advocacy and activism movements are canvassed alongside the influence of Kaupapa Māori movements on language rights and language policy in Aotearoa.

MĀTAU 102 15 Points

Rangatahi-led Political Action

Explores historical and contemporary examples of rangatahi-led political movements - their evolution, kaupapa, challenges, strategies, and achievements. Examines rangatahi leadership including challenges and future possibilities.

Stage II

MĀTAU 201 15 Points

Indigenising STEM Learning

Me hoki whakamuri kia anga whakamua. Examines historical and contemporary movements to indigenise STEM spaces, including how compulsory schooling has been used to create space for mātauranga in STEM. Current challenges and future directions for mātauranga in the STEM curriculum are also explored and critiqued.

MĀTAU 202 15 Points

Amplifying Indigenous Voices

Explores contemporary examples of how digital media platforms have been used to unite and galvanise health, education, whenua protection, indigenous wāhine identity and wellbeing movements. Examines and critiques the way that social media campaigns such as GotYaDot, #ProtectIhumātao and NUKU have contributed to te reo Māori and mātauranga revitalisation.

Stage III

MĀTAU 302 15 Points

Inspiring Māori-led Change

Examines the similarities and differences between whakapapa and kaupapa-led movements, both historical and contemporary. Provides opportunities for ākonga to connect/reconnect with a kaupapa or whakapapa-led movement that is significant to them. Critically examines Indigenous notions of resistance and resilience through whakapapa and kaupapa Māori lenses.

Media and Screen Studies

Stage I

MEDIA 101 15 Points

Film Studies

An introduction to the feature film and the main traditions of film criticism. A series of significant films, from 1915 to the present, are explored in detail. The aim is to develop a historical perspective, an awareness of film-making as an art and an interest in the relationship between films and society, including debates about race, gender, censorship.

MEDIA 102 15 Points

Media and Culture

Examines popular media texts, genres, audiences and industries, reflecting on how they influence our notions of self and society. Draws on case studies from a range of popular media, from film and television to comics, games, popular music, social media and advertising. Fosters critical perspectives on media as vehicles for cultural meaning, alongside strategies for crafting personal and collective narratives.

Stage II

MEDIA 202 15 Points

Hollywood and its Others

An investigation of Hollywood's interactions with European and Asian cinema, with a particular focus on its industrial, aesthetic and cultural aspects. Students will gain a historical understanding of Hollywood cinema and how its relationships with other film cultures have shaped the dynamics of global cinema.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed, or 30 points in Transnational Cultures and Creative Practice

Restriction: MEDIA 307

MEDIA 212 15 Points

Video Games: Theory and Culture

A study of video games as a new media form situated in the broader context of media theory and history. Considers video gaming as an industry, as a leisure activity, and as a site of aesthetic and narrative innovation. The course examines what makes video games a distinctive media form.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed, or 30 points in Communication

Restriction: MEDIA 328

MEDIA 213 15 Points

Cinema of Aotearoa New Zealand

Traces a thematic history of filmmaking in Aotearoa New Zealand from the mid-1980s until the present. Locates a range of films in their historical, social and political contexts by concentrating on issues that arise for a small nation

defined by indigenous and settler relations, immigration and globalisation.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed

Restriction: MEDIA 313

MEDIA 214 15 Points
Social Media

Addresses issues related to the use of social media and considers in particular the influence of new media corporations such as Facebook, as well as platforms like Twitter, SnapChat, Tinder and YouTube. Explores our cultural practices and social rituals in relation to these peer-to-peer, one-to-many media technologies, and examines this revolution in the media landscape.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed, or 30 points in Communication

Restriction: COMMS 204, MEDIA 314

MEDIA 216 15 Points
Special Topic

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed

MEDIA 217 15 Points
Special Topic

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed

MEDIA 218 15 Points
Popular Music on Screens

Explores relationships between popular music and visual media, such as film, television and online media. Includes analysis of documentaries, feature films, TV shows, music videos and social media platforms. Themes include stardom, fandom, songs, dancing, music genres, technologies and industries. Texts are situated in debates about music media and power relations marked by class, gender, sexuality, race and ethnicity.

Prerequisite: 15 points at Stage I in Media and Screen Studies, or ANTHRO 106, and 30 points passed

Restriction: MEDIA 323

MEDIA 220 15 Points
Mockumentary and Docu-Genres

Considers the development of mockumentary and fakery in relation to documentary genres. Introduces students to basic concepts related to documentary realism and then explores a range of film and television examples that refer to, subvert, and problematise notions of visible evidence and factuality.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed

Restriction: MEDIA 316

MEDIA 221 15 Points
Action Films

Investigates action films as a genre and a “spectacle” in world cinema. Considers the aesthetic qualities of the genre and its interaction with the wider context. Issues studied include the relationship between conventions and inventions, the combination of visual and aural spectacle, as well as how identity is articulated through the discourse of nation, gender, ethnicity, age and the landscape.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed

Restriction: MEDIA 315

MEDIA 222 15 Points
Comics and Graphic Storytelling

Explores the medium of comics both as a visual language

and as a means of communication. Beginning with a history of comics, the course considers a variety of storytelling techniques, ranging from comics journalism to graphic medicine, from activism to indigeneity, as well as superheroes, the underground, and manga.

Prerequisite: 15 points at Stage I in Art History or Media and Screen Studies and 30 points passed, or 30 points in Communication or Transnational Culture and Creative Practice

MEDIA 227 15 Points
Special Topic

Prerequisite: 15 points at Stage I in Media and Screen Studies, and 30 points passed

MEDIA 229 15 Points
Recorded Music and Media Formats

Cultural studies of the sounds and significance of popular recorded music through the media formats in which it has been manufactured, distributed and consumed. Provides a critical introduction to the role of technologies and industries, studios and producers, musicians, music scenes and everyday listening in relation to vinyl records, radio, cassettes, CDs, the MP3 and streaming music.

Prerequisite: 15 points at Stage I in Media and Screen Studies or ANTHRO 106, and 30 points passed

Restriction: MEDIA 331

MEDIA 231 15 Points
Eco/media

Eco/media introduces students to the increasingly important and varied role that nature, environment, and ecology play in media, film, and television studies. Students explore how environmentalism is communicated through various media, how the mediation of flora, fauna and the earth's atmosphere offers powerful new insights into media texts, and how media production and consumption can be analysed using ecological frameworks.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed, or 30 points in Communication or Global Environment and Sustainable Development

Restriction: MEDIA 332

MEDIA 233 15 Points
Special Topic

Prerequisite: 15 points at Stage I in Media and Screen Studies, and 30 points passed

MEDIA 235 15 Points
Visual Culture

Visual culture is not just part of our everyday lives, it is our everyday lives. This course introduces students to the practices, technologies and knowledges through which visual imagery is constructed and how it circulates. It provides students with the tools for analysing and communicating with various kinds of visual images and objects.

Prerequisite: 15 points at Stage I in Media and Screen Studies or Art History, and 30 points passed

Restriction: COMMS 302, MEDIA 335

MEDIA 236 15 Points
Horror Media

Explores horror's aesthetic, experiential, and political dimensions, investigating why and how it has persisted as one of popular culture's most vigorous and influential genres. Closely considers a range of classic and

contemporary films, TV shows and video games, confronting questions of power, affect, mediation and representation.
Prerequisite: 15 points at Stage I in Media and Screen Studies, and 30 points passed
Restriction: MEDIA 336

MEDIA 237 **Visualising Screen Stories** **15 Points**

Investigates the conceptual and practical dimensions of creating visual stories for screen. Encourages students to explore aesthetic principles from film history and visual culture by using the basic tools of contemporary digital media. Students will develop screenplays, storyboards and lookbooks, and work collaboratively to create short smartphone films.

Prerequisite: 15 points at Stage I in Media and Screen Studies, and 30 points passed
Restriction: SCREEN 201, MEDIA 337

MEDIA 238 **Creating Advertising: Text, Image, Story** **15 Points**

Explores the connections between visual expression, cinematic storytelling and commercial persuasion. Students analyse promotional posters, advertising copy and video-based advertisements before creating their own persuasive media projects. This course offers a thorough introduction to advertising strategies and industrial practices, and develops students' skills in promotional messaging and audiovisual storytelling.

Prerequisite: 15 points at Stage I in Media and Screen Studies, and 30 points passed
Restriction: COMMS 309, MEDIA 338

MEDIA 241 **Writing Screen Stories** **15 Points**

Focuses on the fundamentals and principles of dramatic writing for screen. Encourages students to explore narrative strategies from film and television to understand the mechanics of screen stories and to write meaningful screenplays in their own voice.

Prerequisite: 15 points at Stage I in Media and Screen Studies and 30 points passed
Restriction: MEDIA 341

Stage III

MEDIA 307 **Hollywood and its Others** **15 Points**

An investigation of Hollywood's interactions with European and Asian cinema, with a particular focus on its industrial, aesthetic, and cultural aspects. Students will gain a historical understanding of Hollywood cinema and how its relationships with other film cultures have shaped the dynamics of global cinema.

Prerequisite: 30 points at Stage II in Media and Screen Studies or Transnational Cultures and Creative Practice
Restriction: MEDIA 202

MEDIA 313 **Cinema of Aotearoa New Zealand** **15 Points**

Traces a thematic history of filmmaking in Aotearoa New Zealand from the mid-1980s until the present. Locates a range of films in their historical, social and political contexts by concentrating on issues that arise for a small nation defined by indigenous and settler relations, immigration and globalisation.

Prerequisite: 30 points at Stage II in Media and Screen Studies
Restriction: MEDIA 213

MEDIA 314 **Social Media** **15 Points**

Addresses issues related to the use of social media and considers in particular the influence of new media corporations such as Facebook, as well as platforms like Twitter, SnapChat, Tinder and YouTube. Explores our cultural practices and social rituals in relation to these peer-to-peer, one-to-many media technologies, and examines this revolution in the media landscape.

Prerequisite: 30 points at Stage II in Communication or Media and Screen Studies
Restriction: COMMS 204, MEDIA 214

MEDIA 315 **Action Films** **15 Points**

Investigates action films as a genre and a "spectacle" in world cinema. Considers the aesthetic qualities of the genre and its interaction with the wider context. Issues studied include the relationship between conventions and inventions, the combination of visual and aural spectacle, as well as how identity is articulated through the discourse of nation, gender, ethnicity, age and the landscape.

Prerequisite: 30 points at Stage II in Media and Screen Studies
Restriction: MEDIA 221

MEDIA 316 **Mockumentary and Docu-Genres** **15 Points**

Considers the development of mockumentary and fakery in relation to documentary genres. Introduces students to basic concepts related to documentary realism and then explores a range of film and television examples that refer to, subvert, and problematise notions of visible evidence and factuality.

Prerequisite: 30 points at Stage II in Media and Screen Studies
Restriction: MEDIA 220

MEDIA 323 **Popular Music on Screens** **15 Points**

Explores relationships between popular music and visual media, such as film, television and online media. Includes analysis of documentaries, feature films, TV shows, music videos and social media platforms. Themes include stardom, fandom, songs, dancing, music genres, technologies and industries. Texts are situated in debates about music media and power relations marked by class, gender, sexuality, race and ethnicity.

Prerequisite: 30 points at Stage II in Anthropology or Media and Screen Studies
Restriction: MEDIA 218

MEDIA 327 **Comics and Graphic Storytelling** **15 Points**

Explores the medium of comics both as a visual language and as a means of communication. Beginning with a history of comics, the course considers a variety of storytelling techniques, ranging from comics journalism to graphic medicine, from activism to indigeneity, as well as superheroes, the underground, and manga.

Prerequisite: 30 points at Stage II in Communication or Media and Screen Studies or Transnational Cultures and Creative Practice
Restriction: MEDIA 222

MEDIA 328 **Video Games: Theory and Culture** **15 Points**

A study of video games as a new media form situated in the broader context of media theory and history. Considers video gaming as an industry, as a leisure activity, and as a site of aesthetic and narrative innovation. The course

examines what makes video games a distinctive media form.

Prerequisite: 30 points at Stage II in Communication or Media and Screen Studies

Restriction: MEDIA 212

MEDIA 331 15 Points

Recorded Music and Media Formats

Cultural studies of the sounds and significance of popular recorded music through the media formats in which it has been manufactured, distributed and consumed. Provides a critical introduction to the role of technologies and industries, studios and producers, musicians, music scenes and everyday listening in relation to vinyl records, radio, cassettes, CDs, the MP3 and streaming music.

Prerequisite: 30 points at Stage II in Anthropology or Media and Screen Studies

Restriction: MEDIA 229

MEDIA 332 15 Points

Eco/media

Eco/media introduces students to the increasingly important and varied role that nature, environment, and ecology play in media, film, and television studies. Students explore how environmentalism is communicated through various media, how the mediation of flora, fauna and the earth's atmosphere offers powerful new insights into media texts, and how media production and consumption can be analysed using ecological frameworks.

Prerequisite: 30 points at Stage II in Communication or Global Environment and Sustainable Development or Media and Screen Studies

Restriction: MEDIA 231

MEDIA 333 15 Points

Special Topic

Prerequisite: 30 points at Stage II in Media and Screen Studies

MEDIA 334 15 Points

Special Topic

Prerequisite: 30 points at Stage II in Media and Screen Studies

MEDIA 335 15 Points

Visual Culture

Visual culture is not just part of our everyday lives, it is our everyday lives. This course introduces students to the practices, technologies and knowledges through which visual imagery is constructed and how it circulates. It provides students with the tools for analysing and communicating with various kinds of visual images and objects.

Prerequisite: 30 points at Stage II in Art History or Media and Screen Studies

Restriction: COMMS 302, MEDIA 235

MEDIA 336 15 Points

Horror Media

Explores horror's aesthetic, experiential, and political dimensions, investigating why and how it has persisted as one of popular culture's most vigorous and influential genres. Closely considers a range of classic and contemporary films, TV shows and video games, confronting questions of power, affect, mediation and representation.

Prerequisite: 30 points at Stage II in Media and Screen Studies

Restriction: MEDIA 236

MEDIA 337 15 Points

Visualising Screen Stories

Investigates the conceptual and practical dimensions of creating visual stories for screen. Encourages students to explore aesthetic principles from film history and visual

culture by using the basic tools of contemporary digital media. Students will develop screenplays, storyboards and lookbooks, and work collaboratively to create short smartphone films.

Prerequisite: 30 points at Stage II in Media and Screen Studies

Restriction: SCREEN 201, MEDIA 237

MEDIA 338 15 Points

Creating Advertising: Text, Image, Story

Explores the connections between visual expression, cinematic storytelling and commercial persuasion. Students analyse promotional posters, advertising copy and video-based advertisements before going on to create their own persuasive media projects. This course offers a thorough introduction to advertising strategies and industrial practices, and develops students' skills in promotional messaging and audiovisual storytelling.

Prerequisite: 30 points at Stage II in Media and Screen Studies

Restriction: COMMS 309, MEDIA 238

MEDIA 340 15 Points

Filmmaking

A hands-on exploration of the aesthetic and technical challenges of cinematic storytelling. Students are encouraged to reflect on filmmakers' creative strategies and pursue their own choices in relation to camera, sound, lighting and editing. This limited-entry course involves a blend of lectures and studio-based workshops, and emphasises the links between cinematic ideas and the practical techniques used to realise them.

Prerequisite: 30 points at Stage II in Media and Screen Studies

Restriction: SCREEN 200, 302

MEDIA 341 15 Points

Writing Screen Stories

Focuses on the fundamentals and principles of dramatic writing for screen. Encourages students to explore narrative strategies from film and television to understand the mechanics of screen stories and to write meaningful screenplays in their own voice.

Prerequisite: 30 points at Stage II in English or Media and Screen Studies

Restriction: MEDIA 241

Postgraduate 700 Level Courses

MEDIA 713 30 Points

Media, Sound and Music

Interdisciplinary scholarship on sound and music media. Topics include: listening and soundscapes; noise/music; popular culture; the politics of sound and music; audio technologies; affect, feelings and emotions; identities; stardom, celebrity and fandom; voices; material cultures; audiovisual media; social media; and the political economy of music.

MEDIA 715 30 Points

Visualising Difference

Critically examines the representation of racial and ethnic difference in cinema and broadcast television. This course explores and discusses how difference has been conceptualised in colonial, post-colonial, and multicultural frameworks using examples from the USA, Canada, Australia, and New Zealand.

MEDIA 716 30 Points

Love in/Loving the Cinema

Critically examines the theme of love in the cinema. Looks at why the love story has been such a staple of movie

narratives and what films can teach us about love. Also explores the nature of the love of cinema itself, cinephilia.

MEDIA 717 30 Points

Ubiquitous Media

Ubiquitous computing has led to an increasingly mediated world known as the 'Internet of things'. With the increased use of tags and sensors, the development of smart environments means that communication and information media increasingly shape our world and define our relations with others. This interdisciplinary course interrogates the philosophical, social and political implications of the move from software to 'everyware'.

MEDIA 726 30 Points
Directed Study

MEDIA 729 30 Points
Film Evil

Explores the theme of evil in the cinema. What films can teach about evil and why it is that conceptions of evil - its nature and source as well as distinctions between natural and moral evil - have formed so much of the subject matter of cinema. The course also considers the proposition that some films may themselves be evil.

MEDIA 741 30 Points
Time and the Moving Image

Explores how moving images mediate our experience of time, from the actualités of early cinema to video games and digital special effects. Addresses the representation and articulation of time across documentary and narrative cinema, experimental film and video, television and new media, with reference to key concepts in philosophy and media theory.

MEDIA 742 15 Points
Directed Study

MEDIA 743 30 Points
Chinese Film Genres

Explores the evolution of major film genres of the Chinese-language cinemas (i.e., cinemas of mainland China, Hong Kong, Taiwan and the Chinese diaspora). Investigates the formal styles of such genres as melodrama, youth, avant-garde, and documentary as well as how the changing styles reflect some big issues of sociocultural significances.

MEDIA 746 30 Points
Special Topic

MEDIA 748 30 Points

Special Topic: Documentary Making

A hands-on production course in which students produce, direct and edit a 9-12 minute documentary. Emphasis is placed on learning technical and craft aspects of documentary-making informed by the rich and varied tradition of the genre. Students are also required to analyse a series of influential documentaries screened as part of the course.

Restriction: SCREEN 713, COMMS 713

MEDIA 781 30 Points
Research Project - Level 9

MEDIA 792 45 Points

MEDIA 792A 22.5 Points

MEDIA 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in MEDIA 792 A and B, or MEDIA 792

MEDIA 793 60 Points

MEDIA 793A 30 Points

MEDIA 793B 30 Points

Dissertation - Level 9

To complete this course students must enrol in MEDIA 793 A and B, or MEDIA 793

MEDIA 796A 60 Points

MEDIA 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in MEDIA 796 A and B

MEDIA 797A 60 Points

MEDIA 797B 60 Points

Research Portfolio - Level 9

Comprises both a creative and a written component.

To complete this course students must enrol in MEDIA 797 A and B

Museums and Cultural Heritage

Postgraduate 700 Level Courses

MUSEUMS 700 15 Points

Exhibiting Cultures: International

Investigates the presentation of cultures in museums, art galleries and other sites globally, the strategies of public exhibitions, and the role of curators and institutions in identity formation and nationalism. Case studies are drawn from international and indigenous practice, as well as regional examples from Aotearoa New Zealand, Australia and the Pacific.

Restriction: ARTHIST 715, 721, 736, MUSEUMS 701, 703, 704

MUSEUMS 702 15 Points

Inside the Museum

Provides a foundation in the best practices, critical issues, and the future of museology and introduces students to a variety of museum collection-based activities through experiential education at the Auckland War Memorial Museum/Tāmaki Paenga Hira.

MUSEUMS 704 30 Points

MUSEUMS 704A 15 Points

MUSEUMS 704B 15 Points

Exhibiting Cultures

Investigates the presentation of cultures in museums, art galleries and other sites globally, the strategies of public exhibitions, and the role of curators and institutions in identity formation and nationalism. Case studies are drawn from international and indigenous practice as well as regional examples from Aotearoa New Zealand, Australia and the Pacific.

Restriction: ARTHIST 715, 721, 736, MUSEUMS 700, 701, 703, 705

To complete this course students must enrol in MUSEUMS 704 A and B, or MUSEUMS 704

MUSEUMS 705 15 Points

Exhibiting Cultures: Māori and Indigenous

An examination of key museological issues in relation to indigenous peoples, with a particular focus on Māori, Pacific, Aboriginal, Inuit and Native American communities.

Restriction: ARTHIST 715, 721, 736, MUSEUMS 701, 703, 704

MUSEUMS 706 15 Points

Special Topic

MUSEUMS 751 Special Topic	30 Points
MUSEUMS 760 Directed Study	15 Points
A directed reading and individual study course or research project to prepare students in the methodologies and subject matter of museum studies.	
MUSEUMS 761	30 Points
MUSEUMS 761A	15 Points
MUSEUMS 761B	15 Points
Directed Study	
A directed reading and individual study course or research project to prepare students in the methodologies and subject matter of museum studies.	
<i>To complete this course students must enrol in MUSEUMS 761 A and B, or MUSEUMS 761</i>	
MUSEUMS 780	30 Points
MUSEUMS 780A	15 Points
MUSEUMS 780B	15 Points
Research Project - Level 9	
<i>To complete this course students must enrol in MUSEUMS 780 A and B, or MUSEUMS 780</i>	
MUSEUMS 792	45 Points
MUSEUMS 792A	22.5 Points
MUSEUMS 792B	22.5 Points
Dissertation - Level 9	
<i>To complete this course students must enrol in MUSEUMS 792 A and B, or MUSEUMS 792</i>	
MUSEUMS 793	60 Points
MUSEUMS 793A	30 Points
MUSEUMS 793B	30 Points
Dissertation - Level 9	
<i>To complete this course students must enrol in MUSEUMS 793 A and B, or MUSEUMS 793</i>	
MUSEUMS 796A	60 Points
MUSEUMS 796B	60 Points
Thesis - Level 9	
<i>To complete this course students must enrol in MUSEUMS 796 A and B</i>	
MUSEUMS 797A	60 Points
MUSEUMS 797B	60 Points
Research Portfolio - Level 9	
<i>To complete this course students must enrol in MUSEUMS 797 A and B</i>	

Music

Stage 1

MUS 103 Music Fundamentals	15 Points
A practical and theoretical overview of the fundamental written and aural skills required for music literacy. This course prepares students for MUS 104 and further university-level study and practice in music.	
<i>Restriction: MUS 100, may not be taken with or after passing MUS 101, 104, 174, 184, 284</i>	
MUS 104 Music Literacies	15 Points
The development of music theory, aural skills and perception necessary to be an effective musician. The study of basic theory, harmony, analysis, aural perception	

and musicianship with exemplars from classical, jazz and popular music genres. Includes a choral component.
Prerequisite: MUS 103

MUS 106 Ensemble Communication and Direction	15 Points
An examination of the skills and techniques required for the communication and direction of ensembles including orchestras, bands, jazz and contemporary ensembles, choirs and other performing arts contexts. Includes knowledge of repertoire style, genre and period associated with directing music.	

MUS 110 Composition 1	15 Points
Foundational studies in music composition and sonic arts. Modular content includes: rhythm and meter, melody and harmony, structure and gesture, time and meter, synthesis and notation and repertoire study. Students may complete Composition 1 and Composition 2 in any order.	

MUS 111 Composition 2	15 Points
Foundational studies in music composition and sonic arts. Modular content includes: rhythm and form, timbre and texture, aesthetics and function, style and idea, material and manipulation, creative planning and processes and the composer in society. Students may complete Composition 1 and Composition 2 in any order.	

MUS 120 Performance 1	15 Points
Individual lessons and performance classes on an approved instrument or voice. (See course outline and instrumental/vocal syllabus for specific curriculum requirements).	
<i>Prerequisite: Entrance is by audition. Departmental approval</i>	

MUS 121 Performance 2	15 Points
Continuation of work undertaken in MUS 120. (See course outline and instrumental/vocal syllabus for specific curriculum requirements.)	
<i>Prerequisite: MUS 120</i>	

MUS 125 Music in Aotearoa New Zealand	15 Points
An introduction to the ways in which music is and has been situated in Aotearoa New Zealand, concentrating on the issue of music's connection to place and the contexts of music composition and performance across classical genres, jazz and pop, contemporary and traditional Māori music (including taonga pūoro), and music from Asia and the Pacific region.	
<i>Restriction: MUS 143, 343</i>	

MUS 130 Introduction to Music Technology	15 Points
A survey of digital technologies available to assist producing, composing, and performing music. Topics may include: music production (Digital Audio Workstation, MIDI and audio recording/editing, synthesis, and multi-track mixing), sonic art (sound-based composition, visual music, interactive installations), and computer music (sound design, live coding, algorithmic composition).	
<i>Restriction: MUS 119</i>	

MUS 144G Turning-points in Western Music	15 Points
A study of significant people, major discoveries and inventions, and key factors (artistic, intellectual, social,	

technical) that were important agents of change in Western music. No previous knowledge of music is assumed.

MUS 145 15 Points

Western Music Across the Centuries

A comprehensive overview of the enormously rich repertoire of Western music, from the beginnings of a literate tradition, through the classical giants, to the present day.

Prerequisite: MUS 125 or 143

MUS 149 15 Points

MUS 149G 15 Points

Rock to Reggae: Tracking Popular Music in New Zealand

An introduction to New Zealand's home-grown popular music, from the 1950s to the present day. A broad range of musical styles will be considered and situated within various social contexts. The issue of cultural identity in music – at national and local levels – will also be explored.

MUS 162 15 Points

Introduction to Music Teaching and Learning

A conceptual and practical introduction to music teaching and learning in its various forms and contexts. A survey of the field including studio pedagogy, music education methods, school music, community music, lesson planning, composition and improvisation pedagogy, and foundational knowledge of music teaching and learning.

Restriction: MUS 160

MUS 170 15 Points

Jazz Performance 1

The development of instrumental technique and improvisational skills through in-depth study of scales, rhythm, harmony and relevant musical analysis. This course prepares students who major in Jazz Performance and includes 1:1 tuition and group based improvisation classes.

Prerequisite: Entrance is by audition. Departmental approval.

Coresquisite: MUS 197

MUS 171 15 Points

Jazz Performance 2

Continuation of the work undertaken in MUS 170.

Prerequisite: MUS 170 or JAZZ 101 and 107

MUS 180 15 Points

Creative Practice in Popular Music 1

Exploration of ideas and processes in the creation and presentation of popular music through workshops, seminars and group discussion. Students will write songs, compose music, use music recording and production techniques and present aspects of their coursework in live performance.

Prerequisite: Entrance is by audition. Departmental approval

MUS 181 15 Points

Creative Practice in Popular Music 2

Continuation of work undertaken in MUS 180.

Prerequisite: MUS 180

MUS 190 15 Points

MUS 190A 7.5 Points

MUS 190B 7.5 Points

Auxiliary Performance Study 1

Tuition on an approved traditional or computer-based instrument or voice.

Prerequisite: Entrance is by audition. Departmental approval

To complete this course students must enrol first in MUS 190A and then 190B, or MUS 190

MUS 191 15 Points

MUS 191A 7.5 Points

MUS 191B 7.5 Points

Classical Ensembles 1

The development of performance skills through ensemble work including chamber music, string orchestra, wind orchestra, flute choir, contemporary ensembles and other combinations.

To complete this course students must enrol first in MUS 191A and then 191B, or MUS 191

MUS 192A 7.5 Points

MUS 192B 7.5 Points

Performance Skills for Instrumentalists 1

The development of a range of instrumental performance skills beyond those gained in the instrumental studio including collaborative piano, repertoire studies, ensemble techniques, basic pedagogy, keyboard skills, accompanying and other applications.

To complete this course students must enrol first in MUS 192A and then 192B

MUS 193A 7.5 Points

MUS 193B 7.5 Points

Performance Skills for Singers 1

The introduction of vocal practices that help voice students develop and sustain a professional career. This course aims to give students the knowledge and practical experience necessary to develop and maintain vocal health in diverse performing contexts.

To complete this course students must enrol first in MUS 193A and then 193B

MUS 196A 7.5 Points

MUS 196B 7.5 Points

Popular Music Performance 1

The development of instrumental technique and interpretative skills through the in-depth study of scales, rhythm, harmony and the relevant musical analyses of set works. This course prepares students who major in Popular Music with 1:1 instrumental tuition and group-based classes and/or workshops.

Prerequisite: Audition required

Restriction: MUS 182, 183

To complete this course students must enrol first in MUS 196A and then 196B

MUS 197A 7.5 Points

MUS 197B 7.5 Points

Jazz Ensembles 1

The application of instrumental and improvisational techniques through performance practice. This course develops stylistic, interpretive and literary musical skills through a variety of large and small ensembles.

To complete this course students must enrol first in MUS 197A and then 197B

Stage II

MUS 203 15 Points

Classical Theory and Musicianship 1

Continuation of work begun in MUS 104 on music theory, aural skills and musicianship. Includes a choral component.

Prerequisite: MUS 104

MUS 204 Classical Theory and Musicianship 2 Continuation of work in MUS 203 on music theory, aural skills and musicianship. Includes a choral component. <i>Prerequisite:</i> MUS 203	15 Points	outline and instrumental/vocal syllabus for specific curriculum requirements). <i>Prerequisite:</i> MUS 220
MUS 205 Classical Theory and Musicianship 3 Continuation of work in MUS 204 on music theory, aural skills and musicianship. Includes a choral component. <i>Prerequisite:</i> MUS 204	15 Points	MUS 224 Interpreting Music Performance Academic study of the resources, instruments, techniques, scholarship, and stylistic conventions relevant to the performance of historical musical repertoires. Students consider the role that an awareness of historical factors can play in contemporary performance, and gain understanding of some of the key debates surrounding historically informed performance. <i>Prerequisite:</i> MUS 125 or 143
MUS 206 Conducting 1 The study of conducting including listening to and writing about a wide variety of music from all historical periods. The practical component of this course concentrates on posture, patterns and gesture. Studies include examples from choral and orchestral repertoire. <i>Prerequisite:</i> MUS 106	15 Points	MUS 225 Music in Society The study of music and text in society using a wide-angled lens to explore how it can be intertwined with issues of politics, gender, religion, race, psychology and class. Examples will include music and text in diverse genres and from various places. <i>Prerequisite:</i> MUS 125 or MUS 143 or 30 points from <i>European Studies, German, Italian, Spanish, or Transnational Cultures and Creative Practice</i> <i>Restriction:</i> MUS 243
MUS 207 Conducting 2 An introduction to rehearsal planning and management, baton technique, the development of conducting gesture, and advanced score preparation. Repertoire includes classical symphonies, a cappella repertoire and a selection of choral/orchestral works. <i>Prerequisite:</i> MUS 206	15 Points	MUS 230 Music Production 1 A study of the theoretical and practical knowledge and skills required to engage in music production through everyday technologies. An emphasis on production in the home/project studio environment, and for developing producers and songwriters. Topics include: microphone types, patterns and configurations; simple vocal and instrumental recording; synthesis; production techniques; and mixing using modern DAWs. <i>Prerequisite:</i> MUS 119 or 130 <i>Restriction:</i> MUS 219
MUS 210 Composition 3 Applied concepts and techniques in instrumental/vocal composition and sonic arts. Students will develop original creative ideas through experimentation with both notational and sound-based approaches to composing, the study of relevant repertoire and the realisation of a portfolio of works for mixed resources that may include solo instruments, voices, small ensembles, found objects/sounds, loudspeakers and visual media. Liaison with performers both within and outside the class is important. <i>Prerequisite:</i> MUS 110, 111 <i>Restriction:</i> MUS 258	15 Points	MUS 231 Music Production 2 A study of industry-standard studio recording and production techniques supported by practical studio-based exercises. Topics may include: multi-channel recording and editing, band and ensemble recording, analogue and digital production, synthesis, mixing and mastering. <i>Prerequisite:</i> MUS 230 <i>Restriction:</i> MUS 219
MUS 211 Composition 4 Continuation of work undertaken in MUS 210. <i>Prerequisite:</i> MUS 210	15 Points	MUS 245 History, Music and Ideas: Rethinking the Classical Canon Raises issues specific to classical music in one or more concentrated historical periods. Students will get to know a designated repertoire of musical works, whilst exploring critical topics such as periodisation, canon formation and reception history. <i>Prerequisite:</i> MUS 125 or 143 or 145 <i>Restriction:</i> MUS 240, 345
MUS 214 Instrumentation The study of instrumentation including ranges, characteristics and technical aspects of writing, scoring and arranging for strings, wind, brass and percussion will be introduced together with a study of repertoire. <i>Prerequisite:</i> MUS 101 or 104	15 Points	MUS 246 Experimental Music in the 20th and 21st Centuries Tracks definitions and developments in 'experimental' music since the early twentieth century. Concepts of modernism and postmodernism as related to musical composition, performance and listening are the central focus. <i>Prerequisite:</i> MUS 125 or 143 or 145 <i>Restriction:</i> MUS 346
MUS 220 Performance 3 Further performance work, involving weekly individual lessons and performance classes. (See course outline and instrumental/vocal syllabus for specific curriculum requirements). <i>Prerequisite:</i> MUS 121 <i>Restriction:</i> MUSIC 220	15 Points	
MUS 221 Performance 4 Continuation of work undertaken in MUS 220. (See course	15 Points	

MUS 247 15 Points Genre and Convention in Instrumental Music Explores the complexities of musical style, aesthetics and reception as related to one or more instrumental genres (such as the symphony, the string-quartet or piano prelude) and related conventions. <i>Prerequisite:</i> MUS 125 or 143 or 145 <i>Restriction:</i> MUS 347	fundamental written theoretical skills. This course also includes a keyboard tutorial. <i>Prerequisite:</i> MUS 104
MUS 248 15 Points Music on Stage and Screen Considers the role of music in one or more of the dramatic arts – opera, musical, ballet, modern dance, film – in any given historical period. Offers opportunity to study specific repertoire in some detail, as well as to investigate music's contribution to dramatic spectacle, characterisation, narrative and non-narrative structures. <i>Prerequisite:</i> MUS 125 or 143 or 145 <i>Restriction:</i> MUS 242, 348	MUS 275 15 Points Jazz Composition and Arranging 1 Composition and arranging in the jazz idiom exploring small ensemble and big band contexts. Scoring, voicing concepts and sectional writing that assist students in the development of a portfolio of work. <i>Prerequisite:</i> MUS 274
MUS 258 15 Points Composing with Computers An introduction to the study and use of computers to compose and generate music. Topics include: algorithmic composition, sound design, algorithmic music, artificial intelligence for music creation, live coding. <i>Prerequisite:</i> 30 points at Stage I in Music <i>Restriction:</i> MUS 210	MUS 276 15 Points Jazz History A critical examination of musical styles, performers, cultural and industrial contexts surrounding jazz musics from the mid-nineteenth century, including ragtime, through New Orleans, swing, be-bop, cool, free, third-stream and post-bop. An in-depth study of primary exponents of various styles. <i>Prerequisite:</i> 30 points passed in Music <i>Restriction:</i> MUS 126, 176
MUS 259 15 Points Special Topic <i>Prerequisite:</i> 30 points passed in Music	MUS 277 15 Points Jazz Project 2 Participation and development of pertinent skills towards the completion of a collaborative jazz music project. <i>Prerequisite:</i> Departmental approval
MUS 262 15 Points Music Psychology and Development An initial exploration of music psychology research including music therapy research, neuroscience, neuropsychology and music psychology. Examines the development of musical skills through life with an emphasis on community and pedagogical applications. <i>Prerequisite:</i> 30 points passed in Music	MUS 280 15 Points Creative Practice in Popular Music 3 Specific exploration and the continued development of ideas and processes in the creation and presentation of popular music through workshops, seminars and group discussion. Students will write songs, complete arrangement exercises, use music recording and production techniques and present aspects of their coursework in live performance. <i>Prerequisite:</i> MUS 104, 181
MUS 265 15 Points Crafting a Portfolio Career in Music A study of music career profiles with an emphasis on self-management, performance careers, pedagogical careers, technology, music marketing and distribution, legal issues, entrepreneurship and project leadership in the community. Students will reflect on their own development and devise a project plan for implementation. <i>Prerequisite:</i> 30 points passed in Music	MUS 281 15 Points Creative Practice in Popular Music 4 Continuation of work undertaken in MUS 280. <i>Prerequisite:</i> MUS 280, 284
MUS 270 15 Points Jazz Performance 3 The development of instrumental technique and improvisational skills through in-depth study of scales, rhythm, harmony and relevant musical analysis. This course prepares students who major in Jazz Performance and includes 1:1 tuition and group based improvisation classes. <i>Prerequisite:</i> MUS 171	MUS 282 15 Points Popular Music Vocal Performance The development of vocal technique and interpretative skills through the in-depth study of vocal production techniques pertinent to contemporary popular music vocal performance. The emphasis is on the development of practices to enhance the performance of original songs written by the students. <i>Prerequisite:</i> MUS 183 or 196
MUS 271 15 Points Jazz Performance 4 Continuation of the work undertaken in MUS 270. <i>Prerequisite:</i> MUS 270	MUS 283 15 Points Popular Music Performance 2 Continuation of the work undertaken in MUS 196. This course prepares students who specialise in Popular Music with 1:1 instrumental tuition and group-based classes. The emphasis is on the development of techniques and skills to enhance the performance of original songs written by the students. <i>Prerequisite:</i> MUS 183 or 196 <i>Restriction:</i> JAZZ 232
MUS 274 15 Points Jazz Theory and Musicianship An exploration of more advanced jazz theory and musicianship skills including aural and harmony. Coursework prepares students for the implementation of	MUS 284 15 Points Popular Music Theory and Musicianship 1 Training in practical musicianship and contemporary music

writing skills pertinent to a popular music practitioner. Continued development of aural recognition skills.

Prerequisite: MUS 104 or 185

MUS 287 15 Points

Popular Music Theory and Musicianship 2

Further training in practical musicianship and contemporary music writing skills pertinent to a popular music practitioner. Continued development of aural recognition skills with an emphasis on musical analysis skills.

Prerequisite: MUS 284

Restriction: MUS 285

MUS 290 15 Points

MUS 290A 7.5 Points

MUS 290B 7.5 Points

Auxiliary Performance Study 2

Tuition on an approved traditional or computer-based instrument or voice.

Prerequisite: Entrance is by audition. Departmental approval

To complete this course students must enrol first in MUS 290A and then 290B, or MUS 290

MUS 292A 7.5 Points

MUS 292B 7.5 Points

Performance Skills for Instrumentalists 2

The development of a range of instrumental performance skills beyond those gained in the instrumental studio including collaborative piano, repertoire studies, ensemble techniques, basic pedagogy, keyboard skills, accompanying and other applications.

To complete this course students must enrol first in MUS 292A and then 292B

MUS 293A 7.5 Points

MUS 293B 7.5 Points

Performance Skills for Singers 2

Further development of vocal practices that help voice students develop and sustain a professional career. This course aims to give students the knowledge and practical experience necessary to develop and maintain vocal health in diverse performing contexts.

To complete this course students must enrol first in MUS 293A and then 293B

MUS 297A 7.5 Points

MUS 297B 7.5 Points

Jazz Ensembles 2

The application of instrumental and improvisational techniques through performance practice. This course develops stylistic, interpretative and literary musical skills through a variety of large and small ensembles.

Prerequisite: MUS 197

To complete this course students must enrol first in MUS 297A and then 297B

MUS 298 15 Points

Classical Ensembles 2

The development of performance skills through ensemble work including chamber music, string orchestra, wind orchestra, flute choir, contemporary ensembles and other combinations.

Restriction: MUS 291

Stage III

MUS 306 15 Points

Conducting 3

Opportunities to conduct a variety of ensemble situations including instrumental, choral/vocal, keyboard and voice,

large choral ensemble, recitative and aria, and instrumental ensemble. A keyboard component develops skills needed for score preparation and rehearsals.

Prerequisite: MUS 207

MUS 310 15 Points

Composition 5

Facilitation of the creative process in individual student composers. Key concepts and techniques in instrumental/vocal composition and sonic arts will be developed and refined through the completion of projects as negotiated with supervisors. Each project will incorporate relevant technical exercises together with a study of influential composers and their methods. The end-of-semester portfolio may include works for solo instrument, voice, small and large ensemble, and sonic arts genres including multichannel acousmatic music and performance-based sonic art.

Prerequisite: MUS 211

MUS 311 15 Points

Composition 6

A continuation of work undertaken in MUS 310.

Prerequisite: MUS 310

MUS 314 15 Points

Orchestration

A continuation and expansion of the topics addressed in MUS 214. Studies will be broadened to include a stronger emphasis on orchestration, including technique and repertoire.

Prerequisite: MUS 214

MUS 315 15 Points

Sonic Arts

An examination of compositional concepts and techniques relating to acousmatic music and performance-based sonic art. Topics will be investigated through engagement in individually negotiated creative projects supported with technical exercises and a review of relevant repertoire and literature.

Prerequisite: MUS 211 or 219

MUS 320 15 Points

Performance 5

Further performance work, involving weekly individual lessons and performance classes. (See course outline and instrumental/vocal syllabus for specific curriculum requirements).

Prerequisite: MUS 221

MUS 321 15 Points

Performance 6

Continuation of work undertaken in MUS 320.

Prerequisite: MUS 320

MUS 325 15 Points

Music as History

Case studies in significant issues and developments in music history across genres, locations, and cultures. Examples will include music from the last 150 years, examined from a variety of historical and music-analytical perspectives.

Prerequisite: MUS 225 or MUS 243 or 30 points at Stage II in Transnational Cultures and Creative Practice

Restriction: MUS 343

MUS 330 15 Points

Music Production 3

Instruction in the use of the School of Music's professional-level multichannel recording studios supported by

practical exercises in popular music production. Topics include: vocal, guitar, and drum recording; synthesis; industry-standard production techniques; and mastering. Coursework will require coordination with performers both within and outside the class.

Prerequisite: MUS 219 or 231

Restriction: MUS 318

MUS 331 15 Points

Music Production 4

A continuation and expansion of the topics addressed in MUS 330 including collaborative projects that concentrate on the production of a popular music 'single', including the professional and legal issues associated with high-level studio production. Coursework will require coordination with performers both within and outside the class.

Prerequisite: MUS 318 or 330

Restriction: MUS 319

MUS 332 15 Points

Music Production Project 1

An advanced music production and engineering research project, in which an investigation into professional, technological and industrial issues is conducted through practical experience in a professional setting.

Prerequisite: MUS 219 or 231

Restriction: MUS 355

MUS 333 15 Points

Music Production Project 2

An advanced music production and engineering research project, in which an investigation into professional, technological and industrial issues is conducted through practical experience in a professional setting.

Prerequisite: MUS 219 or 330

Restriction: MUS 356

MUS 334 15 Points

Sound Design for Film and Video Games

A survey of aesthetic theory, repertoire and techniques associated with the industry practice for composing soundtracks for film and video games.

Prerequisite: 15 points from MUS 211, 230

MUS 340 15 Points

Analytical Methods

Develops advanced analytical research skills, focusing on one or more specific repertoires and/or analytical techniques, such as voice-leading analysis, schemata, topics, set theory, metrical analysis or form-functional analysis.

Prerequisite: MUS 143 and 204, or 125 and 204

Restriction: MUS 701

MUS 345 15 Points

History, Music and Ideas: Rethinking the Classical Canon

Raises issues specific to classical music in one or more concentrated historical periods. Students will get to know in some detail a designated repertoire of musical works, whilst exploring critical topics such as periodisation, canon formation and reception history.

Prerequisite: 30 points at Stage II in Music

Restriction: MUS 240, 245

MUS 346 15 Points

Experimental Music in the 20th and 21st Centuries

Tracks definitions and developments in 'experimental' music since the early twentieth century. Concepts of modernism

and postmodernism as related to musical composition, performance and listening are the central focus.

Prerequisite: MUS 125 or 143 or 145, and 30 points from Stage II in Music

Restriction: MUS 246

MUS 347 15 Points

Genre and Convention in Instrumental Music

Explores the complexities of musical style, aesthetics and reception as related to one or more instrumental genres (such as the symphony, the string-quartet or piano prelude) and related conventions.

Prerequisite: MUS 125 or 143 or 145, and 30 points from Stage II in Music

Restriction: MUS 247

MUS 348 15 Points

Music on Stage and Screen

Considers the role of music in one or more of the dramatic arts – opera, musical, ballet, modern dance, film – in any given historical period. Offers opportunity to study specific repertoire in some detail, as well as to investigate music's contribution to dramatic spectacle, characterisation, narrative and non-narrative structures.

Prerequisite: MUS 125 or 143 or 145, and 30 points from Stage II in Music

Restriction: MUS 242, 248

MUS 349 15 Points

Topic in World Music

An intensive performance-based course that focuses on a specific regional musical tradition.

Prerequisite: 30 points at Stage II in Music

MUS 355 15 Points

Special Topic: Music Futures

Prerequisite: 30 points at Stage II in Music

MUS 356 15 Points

Special Topic: Ragas of India

Prerequisite: 30 points at Stage II in Music

MUS 357 15 Points

Special Topic

Prerequisite: 30 points at Stage II in Music

MUS 358 15 Points

Musical Interface Design

Design, craft, and development of new technologies for music performance. Students will develop skills required to engage in the creation of interactive installations, digital musical instruments, augmented instruments, and mobile apps. Topics include: theory and practice of musical interface design, audio programming, converting body gestures into sound via digital mapping.

Prerequisite: 30 points at Stage II in Music or Departmental approval

MUS 359 15 Points

Special Topic

Prerequisite: 30 points at Stage II in Music

MUS 362 15 Points

Pedagogical Approaches for the School and Studio

An investigation into practical knowledge about music teaching and learning drawing from teacher experiences, pedagogical research, established music education methods, studio pedagogy and music classroom contexts. Students explore a range of music teaching scenarios and focus on specific areas of professional interest. This is a key

preparatory course for postgraduate pedagogical study in studio pedagogy or school music teaching.

Prerequisite: 30 points at Stage II in Music

MUS 363 15 Points

Music and Community Engagement

An initial study of community music ranging from semi-professional music organisations and groups through to community music activities that emphasise access, participation and inclusion. An examination of the health and community benefits of music activity including healthy ageing, early development, and youth and mental health. The role of the community musician is also considered.

Prerequisite: 30 points at Stage II in Music or Transnational Cultures and Creative Practice

MUS 365 15 Points

Music Industry and Business

An overview of the music industry including music production, distribution and reception, music marketing and music project management. An examination of business practices in music including developing and managing events, tours, promotion, the Internet, the role of digital media, organising events and festivals and setting up successful pedagogical studios.

Prerequisite: 30 points at Stage II in Music

MUS 370 15 Points

Jazz Performance 5

The development of advanced instrumental technique and improvisational skills through in-depth study of scales, rhythm, harmony and relevant musical analysis. This course prepares students who major in Jazz Performance and includes 1:1 tuition and group based improvisation classes.

Prerequisite: MUS 271

MUS 371 15 Points

Jazz Performance 6

Continuation of the work undertaken in MUS 370 along with ensemble performances. Students prepare for a 50-minute public recital of their original arrangements, compositions and improvisations.

Prerequisite: MUS 370

MUS 375 15 Points

Jazz Composition and Arranging 2

Composition and arranging in the jazz idiom exploring small ensemble and big band contexts. Scoring, voicing concepts and sectional writing that assist students in the development of a portfolio of work.

Prerequisite: MUS 275

MUS 376 15 Points

Jazz Research

The preparation and presentation of essays and practical seminars on a performer or period of stylistic development related to principal instrument or major study.

Prerequisite: MUS 176 or 276

MUS 377 15 Points

Jazz Project

Participation and development of pertinent skills towards the completion of a collaborative jazz music project.

Prerequisite: Departmental approval

MUS 380 15 Points

Creative Practice in Popular Music 5

More advanced exploration and the continued development of ideas and processes in the creation and presentation of popular music through workshops, seminars and group discussion. Students will write songs, compose music, use

music recording and production techniques and present aspects of their coursework in live performance.

Prerequisite: MUS 281

MUS 381 15 Points

Creative Practice in Popular Music 6

Continuation of work undertaken in MUS 380.

Prerequisite: MUS 380

MUS 382 15 Points

Popular Music Performance 3

Development of advanced performance techniques through 1:1 studio lessons. Students will further develop skills in sight-reading and their knowledge of expressive and interpretative performance skills.

Prerequisite: MUS 282 or 283

MUS 383 15 Points

Popular Music Recording and Production

A project-based course for Popular Music majors that involves students recording and producing their own work using performance, arranging and technology skills. Students also learn how to plan and manage their own recording and production project.

Prerequisite: MUS 380

Restriction: JAZZ 332

MUS 390 15 Points

MUS 390A 7.5 Points

MUS 390B 7.5 Points

Auxiliary Performance Study 3

Tuition on an approved traditional or computer-based instrument or voice.

Prerequisite: Entrance is by audition. Departmental approval To complete this course students must enrol first in MUS 390A and then 390B, or MUS 390

MUS 391 15 Points

MUS 391A 7.5 Points

MUS 391B 7.5 Points

Classical Ensembles 3

The development of performance skills through ensemble work including chamber music, string orchestra, wind orchestra, flute choir, contemporary ensembles and other combinations.

To complete this course students must enrol first in MUS 391A and then 391B, or MUS 391

MUS 392 15 Points

MUS 392A 7.5 Points

MUS 392B 7.5 Points

Perf Skills Instrumentalists 3

The development of a range of instrumental performance skills beyond those gained in the instrumental studio including collaborative piano, repertoire studies, ensemble techniques, basic pedagogy, keyboard skills, accompanying and other applications.

To complete this course students must enrol first in MUS 392A and then 392B, or MUS 392

MUS 393A 7.5 Points

MUS 393B 7.5 Points

Performance Skills for Singers 3

The development of advanced vocal practices that help students develop and sustain a professional career. This course aims to give students the knowledge and practical experience necessary to develop and maintain vocal health in diverse performing contexts.

To complete this course students must enrol first in MUS 393A and then 393B

MUS 395A 7.5 Points
MUS 395B 7.5 Points
Popular Music Ensembles 3

The development of performance skills through ensemble work in popular music.

To complete this course students must enrol first in MUS 395A and then 395B

MUS 396 15 Points
Popular Music Performance Repertoire 2

Continuation of the work undertaken in MUS 296. Students undertake 1:1 tuition to study more advanced repertoire, and learn transcription, sight-reading and ensemble performance skills.

Prerequisite: MUS 296

MUS 397A 7.5 Points
MUS 397B 7.5 Points
Jazz Ensembles 3

The application of instrumental and improvisational techniques through performance practice. This course develops stylistic, interpretative and literary musical skills through a variety of large and small ensembles.

Prerequisite: MUS 297

To complete this course students must enrol first in MUS 397A and then 397B

Postgraduate 700 Level Courses

MUS 701 15 Points
Advanced Analysis

Develops advanced analytical research skills, focusing on one or more specific repertoires and/or analytical techniques (such as voice-leading analysis, schemata, topics, set theory, metrical analysis or form-functional analysis).

Prerequisite: MUS 205

Restriction: MUS 340

MUS 702 15 Points
Music Internship

An internship with an industry or education partner in music performance, technology, administration, or pedagogy.

Prerequisite: Departmental approval

MUS 707 30 Points
Research and Practice in Conducting

The development of advanced conducting skills and techniques in a variety of ensemble situations including instrumental and choral/vocal. Includes research into score preparation and rehearsal skill development.

Prerequisite: MUS 306

MUS 710 30 Points
Composition Research Portfolio

Through individually negotiated creative projects and supporting studies in instrumental/vocal composition or sonic arts, students deliver an end-of-semester portfolio of original compositions, wherein skills are refined through targeted research in notational and/or sonic techniques, repertoire study and critical thinking. To take supporting studies in both sonic arts and instrumental composition students should enrol in the corresponding elective MUS 714 or 715.

Prerequisite: MUS 311 or 315

MUS 711 30 Points
Composition Research Project - Level 9

A customised creative project in instrumental/vocal

composition and/or sonic arts realised through an end-of-semester portfolio of original compositions.

Prerequisite: 30 points from MUS 710, 770, 780

MUS 714 15 Points
Advanced Orchestration

Advanced orchestration and instrumentation, including contemporary instrumental and vocal techniques, with practical scoring exercises. Composition students are expected to write some original music in this course.

Prerequisite: MUS 314

MUS 715 15 Points
Advanced Sonic Arts

Examination of a wide range of advanced sound-based compositional techniques including multichannel acousmatic music, live sonic arts, algorithmic music, sonic art in the natural environment, visual music and interactive installation.

Prerequisite: MUS 315

MUS 720 30 Points
Classical Performance Research

Creative research in aspects of solo performance. Relevant ensemble work, including orchestral rehearsals and performance, may be required.

Prerequisite: MUS 321

MUS 722 15 Points
Advanced Ensemble Performance 1

Creative research in aspects of ensemble performance through chamber music and ensemble playing.

Prerequisite: Departmental approval

MUS 723 15 Points
Advanced Ensemble Performance 2

Advanced work in the field of chamber music and ensemble playing.

Prerequisite: Departmental approval

MUS 726 15 Points
Aspects of Performance Practice

Selected research for discussion and investigation from the field of Performance Practice and its documentation. The study of source materials; individual projects; performance and/or teaching and direction of music from the area studied.

MUS 727 15 Points
Advanced Auxiliary Performance

Advanced tuition on an approved instrument or voice suitable for a practical component to complement a student's other music study.

Prerequisite: Departmental approval

MUS 729 30 Points
Music Performance Research Project - Level 9

A customised performance project incorporating solo performance, conducting, relevant ensemble work, improvisational skills, presentation of original work and the application of advanced instrumental techniques, as appropriate.

Prerequisite: 30 points from MUS 707, 720, 770, 780

MUS 730 15 Points
Studio Pedagogy Research and Practice

The study of pedagogy theory and practice applicable to the studio or school context. A range of topics is explored including instrumental technique, repertoire, health and well-being and pedagogical methods.

Prerequisite: 15 points from MUS 321, 371, 382

MUS 735 Advanced Studies in Music Production and Technology An intensive interface-based course that focuses on advanced theories and practice of music production and computer music. <i>Prerequisite:</i> 15 points from MUS 258, 315, 330-334, 358, 383	15 Points	MUS 749 Topic in World Music A supervised performance-based course that focuses on a specific regional musical tradition. <i>Restriction:</i> MUS 349	15 Points
MUS 736 Creative Studies in Music Production The development of advanced creative and technological skills leading to computer-based creative practice. <i>Prerequisite:</i> 15 points from MUS 315, 330-334, 383	15 Points	MUS 750 Performance Research Project A supervised course of advanced music performance research culminating in a performance and associated written material. <i>Prerequisite:</i> MUS 720 <i>Restriction:</i> MUS 785	15 Points
MUS 737 Music Technology Research A customised creative practice or theoretical investigation of music technology-related disciplines including: computer music, musical interface design, interactive art, technology in music education, performance technology, music and AI, and sound design.	30 Points	MUS 752 Research Project - Level 9 A supervised course of musicological or music education research. <i>Prerequisite:</i> Departmental approval	15 Points
MUS 738 Creative Practice Research Project - Level 9 A customised creative practice project employing a combination of performance, composition and/or production modes. <i>Prerequisite:</i> 30 points from MUS 710, 720, 737, 770, 780	30 Points	MUS 754 Directed Study in Historical Musicology	15 Points
MUS 742 Research Project - Level 9 <i>Prerequisite:</i> MUS 743	30 Points	MUS 755 Directed Study in Contemporary Musicology	15 Points
MUS 743 Advanced Music Research - Level 9 A critical exploration of advanced concepts and methods for music research, including historical, qualitative, indigenous and practice-led approaches suited to the advanced study of Music. Students develop, apply and critique knowledge of traditional and cutting-edge qualitative methods to design an independent research project for their chosen research topic and to write a substantial research essay.	15 Points	MUS 756 Directed Study in Music Studies	15 Points
MUS 744 Musicians' Health and Well-being An advanced examination of the critical physical and psychological health issues musicians encounter when preparing for performances and when performing. Topics include aspects of musculoskeletal health, focal dystonia, the protection of the voice and hearing, the role of movement disciplines and the management of stress and music performance anxiety. An inquiry into research from both science and arts disciplines that informs how musicians maintain physical and psychological well-being.	15 Points	MUS 757 Special Topic: Studies in Historical Musicology	15 Points
MUS 747 Research in Musicology An overview of the discipline of musicology, its principal concepts and associated methods of research. Students consider key texts from the scholarly literature and musicological viewpoints and perspectives. This course also develops advanced writing skills. <i>Prerequisite:</i> 15 points from MUS 340, 345-348	30 Points	MUS 758 Special Topic <i>Prerequisite:</i> Departmental approval	15 Points
MUS 748 Conducting Repertoire and Pedagogy An overview of conducting literature and pedagogical skills for the rehearsal, the concert platform and music education contexts. The course includes analysis, score preparation, practical sessions and requires attendance at designated rehearsals and performances. <i>Prerequisite:</i> MUS 306	15 Points	MUS 759 Special Topic: Critical Theory and Music Technology A critical investigation into modern-day music learning, production and consumption. Issues arising in a music landscape mediated by technology and hegemonic political economy will be examined with a focus on the interrogation of power relations using a social justice lens. Topics may include technology in music education, music and Artificial Intelligence, music decolonisation, and music streaming platforms. <i>Prerequisite:</i> 15 points at Stage III in Music	15 Points
		MUS 760 Themes in Music Education Research A survey of pedagogical research themes and applications in music education, studio pedagogy and community music.	15 Points
		MUS 762 Approaches to Music Education 1 A detailed examination of the practices and concepts in a selected music education approach or method.	15 Points
		MUS 763 Approaches to Music Education 2 Further examination of the practices and concepts in a selected music education approach or method. <i>Prerequisite:</i> MUS 762	15 Points
		MUS 767 Music Education Research and Practice Students will develop a critical understanding of current research approaches in music education, community music and studio pedagogy with a focus on the application of and relevance of this research to teaching practice in various contexts. Students	30 Points

will critically review contemporary research and different theoretical perspectives.

Prerequisite: MUS 362 or 363

MUS 768 30 Points

Community Music Research Project - Level 9

Music community and/or pedagogy music research project. Includes fieldwork in music industry, community, school, or studio contexts and a research report.

Prerequisite: 30 points from MUS 707, 724, 767

MUS 770 30 Points

Jazz Performance Research

Practical research in instrumental technique leading to the development of advanced improvisational skills. Students prepare a recital reflecting the technical work undertaken in the semester. Students engage with practice through ensemble and 1:1 instruction.

Prerequisite: MUS 371

MUS 772 15 Points

Jazz Composition and Arranging I

Jazz arranging and composition for mixed ensembles. Through the analysis and study of advanced compositional and orchestration techniques, students produce original research material for recorded portfolio. Students are encouraged to perform with a 'mentor' from the jazz faculty in the development of a creative process and individual style.

Prerequisite: MUS 375

MUS 773 15 Points

Jazz Composition and Arranging II

A continuation of work undertaken in MUS 772 for a variety of ensembles.

Prerequisite: MUS 772

MUS 774 15 Points

Jazz Collaborative Project

Students undertake a research project combining compositional and performance elements from multiple genres: world music, classical, rock, for example, in a blend of contemporary influences. Students contribute original material and written documentation for a recorded portfolio.

Prerequisite: MUS 371

MUS 780 30 Points

Popular Music Research

The development of advanced song writing and popular music composition skills. Students engage in an in-depth study of lyric writing, word setting, and compositional elements, compose a significant body of new songs and compositions, and produce a research portfolio of recordings and scores of these works.

Prerequisite: MUS 381

MUS 785A 30 Points

MUS 785B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol first in MUS 785A and then 785B

MUS 786A 30 Points

MUS 786B 60 Points

Thesis - Level 9

To complete this course students must enrol first in MUS 786A and then 786B

MUS 790A 15 Points

MUS 790B 15 Points

Research Project - Level 9

Prerequisite: MUS 743

To complete this course students must enrol first in MUS 790A and then 790B

MUS 796A 60 Points

MUS 796B 60 Points

Thesis - Level 9

To complete this course students must enrol first in MUS 796A and then 796B

Pacific Studies

Stage I

PACIFIC 100 15 Points

PACIFIC 100G 15 Points

Te Moana-nui-a-Kiwa/Pacific Worlds

Introduces students to Pacific Studies and the worlds of Te Moana-nui-ā-Kiwa (The Pacific). Through the study of taonga or cultural treasures drawn from specific cultures and societies, insights into Indigenous Pacific knowledges and practices are developed. Spanning deep history and the contemporary moment, this course provides a critical understanding of change in the Pacific over time and space.

PACIFIC 105 15 Points

The Contemporary Pacific

Explores the ways in which Pacific peoples frame their contemporary world in the context of globalisation. It also examines factors which shape contemporary Pacific life and popular culture as well as some of the challenges emanating from how Pacific peoples construct and make sense of their own and others' historical, political, socio-cultural, economic and religious worlds.

PACIFIC 110 15 Points

Pacific Embodied Practices

Practical and theoretical introduction to performing cultures of the Pacific with emphasis on Polynesian cultures. Basic music and dance skills are taught in practical instruction. Consideration of commonalities and differences among Pacific cultures. Academic discussion of styles, instruments, performer categories and the place of the performing arts in Pacific cultures.

Stage II

PACIFIC 200 15 Points

Theorising Pacific Studies

Broadens and deepens knowledge of the Pacific and fosters critical understandings of how that knowledge is created. Focuses on Pacific approaches as they theorise Pacific Studies alongside other allied disciplines, identifies the influence of Pacific thinkers and refines thinking via the critical analysis of key debates.

Prerequisite: PACIFIC 100 or 45 points in BGlobalSt courses

PACIFIC 205 15 Points

Pacific Innovation and Sustainability

Examines innovation and sustainability of Pacific Peoples in the Pacific and within the Pacific communities of Aotearoa. Explores the adaptability and innovation of Pacific peoples to create sustainable communities that embody both traditional cultural values and identities, and are also

focused on future development, opportunity, mobility, and communal success.

Prerequisite: 30 points passed

Restriction: PACIFIC 305

PACIFIC 206 **15 Points**
Pacific Youth: Contemporary Realities in the Pacific Region

Addresses critical contemporary issues for youth in the Pacific region with a particular emphasis on Aotearoa. Throughout this course, issues around health and wellbeing, identities (ethnic, spiritual, gender), education, climate change, artistic expressions, resilience, youth engagement and risk taking behaviours will be examined, and the impacts these have upon Pacific young peoples, their families and their communities will be explored.

Prerequisite: 30 points passed

Restriction: PACIFIC 306

PACIFIC 207 **15 Points**
Topics in Pacific Arts

Surveys traditional Pacific art forms focusing on aesthetics, function and adaptation. Considers their histories, significance and sociocultural functioning within contemporary Pacific diasporas. Art forms covered as part of a changing global Pacific include body adornment, bilum (string bag), tatau (tattoo), tapa (barkcloth) and weaponry. Issues discussed include gender, power, ritual and the impact of new technologies on notions of tradition.

Prerequisite: 30 points passed

Restriction: PACIFIC 308

PACIFIC 208 **15 Points**
Gender and the Pacific in a Globalising World

Gender affects the way identity, culture and wellbeing is experienced and navigated in the Pacific. Moreover, these processes are complicated by emerging cosmopolitanisms that impact gendered bodies, cultures, institutions, nations and states. This course examines the intersections of race, sex, biology, ableism, colonialism, nationality, politics and social movements in our constructions/understanding of gender in a Pacific and global context.

Prerequisite: 30 points passed

Restriction: PACIFIC 307

PACIFIC 209 **15 Points**
Pacific Leadership: Navigators of Change

Pacific leadership has had profound effects on Pacific peoples, playing critical roles in how Pacific societies have responded to the forces of colonisation, Christianity and capitalism. The course will examine Pacific traditional leadership and contemporary leadership in areas such as politics, academia, education, the arts, sports and health, analysing changes and developments.

Prerequisite: 15 points from PACIFIC 100, 105, 110, or 15 points at Stage 1 in Education, Anthropology, History, or approval of Head of School or nominee

Restriction: PACIFIC 309

PACIFIC 210 **15 Points**
Pacific Embodied Practices 2

Instruction in the intermediate music and dance forms of specific Pacific nations. Practical focus on acquisition of fundamental music and dance skills, for example songs, commands, gestures, posture, costumes, discussion of styles, instruments, performer categories and the place of the performing arts in the identified Pacific cultures.

Two-four music and dance items will normally be taught during the semester.

Prerequisite: PACIFIC 110 or 30 points in Transnational Cultures and Creative Practice

PACIFIC 211 **15 Points**
Polynesian Warriors: Sport and Pacific Cultures

Sport has profoundly impacted Pacific peoples and cultures, playing critical roles in colonialism and education in the past, to migration and commercialisation in the present. Sport has changed Pacific cultures and been changed by Pacific cultures. Pacific cultural encounters with globalisation, race, capitalism, migration and public discourse will be explored through the experience of sport.

Prerequisite: 30 points passed

Restriction: PACIFIC 311

PACIFIC 212 **15 Points**
Pacific Indigenous Literatures and Knowledges

Studies Pacific genres of oral literature in English translation. Genres include oratory, poetry, tales of creation, folk tales, and proverbs and sayings.

Prerequisite: 30 points passed

Restriction: PACIFIC 312

PACIFIC 213 **15 Points**
Pacific Wellbeing: Empowering Dimensions

Examines empowering notions of Pacific wellbeing for Pacific individuals, families and communities. Students explore definitions of Pacific wellbeing and the cultural concepts, models, practices and worldviews that have enhanced the overall positive wellbeing experiences of Pacific peoples across the Pacific region.

Prerequisite: 30 points passed

Restriction: PACIFIC 313

PACIFIC 214 **15 Points**
Pacific History: New Zealand in the Pacific from 1900

Explores the historical relationship between New Zealand and the Pacific from 1900 onwards. Traces the central importance of New Zealand in the history of the Pacific from the rise of New Zealand's colonial empire, through the world wars, and towards the movement for decolonisation. Examines the continually evolving place of New Zealand as a nation in the Pacific Ocean.

Prerequisite: 15 points at Stage 1 in Pacific Studies or History and 30 points passed

Restriction: PACIFIC 314

PACIFIC 215 **15 Points**
Special Topic

Prerequisite: 30 points passed

Restriction: PACIFIC 315

PACIFIC 216 **15 Points**
Special Topic

Prerequisite: 30 points passed

Restriction: PACIFIC 316

PACIFIC 217 **15 Points**
Pacific Language Studies: Issues and Resolutions

Explores and researches Pacific language issues relating to language and identity, language and cultures and worldviews, language endangerment and language maintenance, Pacific language orthographies, Pacific language translation, and Pacific language teaching and learning.

Prerequisite: 15 points at Stage 1 in Pacific Studies, and 30 points passed

Restriction: PACIFIC 317

Stage III**PACIFIC 300 15 Points****NZ-Born Pacific Identities**

Explores the complex issues of growing up as NZ-born persons of Pacific descent. Examines how their dual or multiple identities affect and interact with their behaviours, priorities, social relationships and their concept of self. The course will use a cross-cultural perspective, exploring ethnic identities of other minorities. The concept of inter-generational ethnic identity will also be considered.

Prerequisite: 30 points at Stage II in Pacific Studies

PACIFIC 304 15 Points**Advanced Pacific Studies**

This is the 'capstone' course for the Pacific Studies major. It is particularly engaged with the theory and methods of Pacific Studies. Different modes of presenting Pacific Studies work, and their relevance for real world applications - from policy papers and briefings to NGO reports - are also explored. The central feature of the course is the large project to be completed by each student, which will combine knowledge taught in this course with original research.

Prerequisite: PACIFIC 200 and a minimum B- average at Stage II in Pacific Studies

PACIFIC 305 15 Points**Pacific Innovation and Sustainability**

Examines innovation and sustainability of Pacific Peoples in the Pacific and within the Pacific communities of Aotearoa. Explores the adaptability and innovation of Pacific peoples to create sustainable communities that embody both traditional cultural values and identities, and are also focused on future development, opportunity, mobility, and communal success.

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 205

PACIFIC 306 15 Points**Pacific Youth: Contemporary Realities in the Pacific Region**

Addresses critical contemporary issues for youth in the Pacific region with a particular emphasis on Aotearoa. Throughout this course, issues around health and wellbeing, identities (ethnic, spiritual, gender), education, climate change, artistic expressions, resilience, youth engagement and risk taking behaviours will be examined, and the impacts these have upon Pacific young peoples, their families and their communities will be explored.

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 206

PACIFIC 307 15 Points**Gender and the Pacific in a Globalising World**

Gender affects the way identity, culture and wellbeing is experienced and navigated in the Pacific. Moreover, these processes are complicated by emerging cosmopolitanisms that impact gendered bodies, cultures, institutions, nations and states. This course examines the intersections of race, sex, biology, ableism, colonialism, nationality, politics and social movements in our constructions/understanding of gender in a Pacific and global context.

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 208

PACIFIC 308 15 Points**Topics in Pacific Arts**

Surveys traditional Pacific art forms focusing on aesthetics, function and adaptation. Considers their histories, significance and sociocultural functioning

within contemporary Pacific diasporas. Art forms covered as part of a changing global Pacific include body adornment, bilum (string bag), tatau (tattoo), tapa (barkcloth) and weaponry. Issues discussed include gender, power, ritual and the impact of new technologies on notions of tradition.

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 207

PACIFIC 310 15 Points**Pacific Embodied Practices 3**

Under supervision of instructors, students plan, rehearse, publicise and present a public song and dance performance. Repertoire selection, costuming, and rehearsal skills will be taught.

Prerequisite: PACIFIC 210 or 30 points at Stage II in Transnational Cultures and Creative Practice

PACIFIC 311 15 Points**Polynesian Warriors: Sport and Pacific Cultures**

Sport has profoundly impacted Pacific peoples and cultures, playing critical roles in colonialism and education in the past, to migration and commercialisation in the present. Sport has changed Pacific cultures and been changed by Pacific cultures. Pacific cultural encounters with globalisation, race, capitalism, migration and public discourse will be explored through the experience of sport.

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 211

PACIFIC 312 15 Points**Pacific Indigenous Literatures and Knowledges**

Studies Pacific genres of oral literature in English translation. Genres include oratory, poetry, tales of creation, folk tales, and proverbs and sayings.

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 212

PACIFIC 313 15 Points**Pacific Wellbeing: Empowering Dimensions**

Examines empowering notions of Pacific wellbeing for Pacific individuals, families and communities. Students explore definitions of Pacific wellbeing and the cultural concepts, models, practices and worldviews that have enhanced the overall positive wellbeing experiences of Pacific peoples across the Pacific region.

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 213

PACIFIC 314 15 Points**Pacific History: New Zealand in the Pacific from 1900**

Explores the historical relationship between New Zealand and the Pacific from 1900 onwards. Traces the central importance of New Zealand in the history of the Pacific from the rise of New Zealand's colonial empire, through the world wars, and towards the movement for decolonisation. Examines the continually evolving place of New Zealand as a nation in the Pacific Ocean.

Prerequisite: 15 points at Stage II in Pacific Studies or History and 30 points passed

Restriction: PACIFIC 214

PACIFIC 315 15 Points**Special Topic**

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 215

PACIFIC 316 15 Points**Special Topic**

Prerequisite: 30 points passed at Stage II

Restriction: PACIFIC 216

PACIFIC 317 15 Points**Pacific Language Studies: Issues and Resolutions**

Explores and researches Pacific language issues relating to language and identity, language and cultures and worldviews, language endangerment and language maintenance, Pacific language orthographies, Pacific language translation, and Pacific language teaching and learning.

Prerequisite: 15 points at Stage II in Pacific Studies, and 60 points passed

Restriction: PACIFIC 217

Postgraduate 700 Level Courses**PACIFIC 700 30 Points****The Pacific: Interdisciplinary Studies**

An examination of the ways in which the Pacific has been and is studied in the humanities and social sciences; an analysis and evaluation of views and perspectives on the development of the region and its peoples.

PACIFIC 701 30 Points**Pacific Language Studies**

Students will research topics such as the historical origins of Pacific languages, their linguistic structure, orthographies, speech levels, sociolinguistic situation in Aotearoa including language shift, loss and maintenance, bilingualism and biliteracy, and the relationship between language, culture and identity.

PACIFIC 705 30 Points**Special Topic****PACIFIC 707 30 Points****Special Topic****PACIFIC 708 30 Points****PACIFIC 708A 15 Points****PACIFIC 708B 15 Points****Special Study**

An approved research topic.

To complete this course students must enrol in PACIFIC 708 A and B, or PACIFIC 708

PACIFIC 710 15 Points**Special Study****PACIFIC 711 30 Points****Intervention, Prevention and Promotion of Pacific Wellbeing**

Appraises some critical issues negatively affecting Pacific wellbeing across the Pacific region. Examines both the research and systemic processes that seek to combat these adverse effects via strengths-based Pacific-focused interventions and prevention strategies, as well as other approaches that promote positive aspects of Pacific wellbeing.

PACIFIC 712 30 Points**Pacific Indigenous Thought**

Explores the relevance and use of Pacific Indigenous ideas and ways of knowing to understand place, position, and responsibility. Examines how Pacific peoples conceive of themselves in relation and considers forces influencing how they think, and what they think, about themselves, their roles, and their connections and obligations across the Pacific region.

PACIFIC 713 15 Points**Special Topic: Teu le va and Pacific Research**

Explores 'teu le va,' and how it is theorised and practised

in diverse research settings. Focuses on its inception as an indigenous cultural reference and a Pacific research paradigm used by Pacific researchers and Government ministries. Provides knowledge, practical discussion and applications of 'teu le va' in the framing of Pacific models, methodologies, relational ethics, methods, and research design.

PACIFIC 714 30 Points**Pacific Research Methodologies and Practices**

Analyses critical approaches to Pacific research development and evaluation of research design in Pacific Studies. Focuses on analytical engagement with a range of Pacific methodologies and methods in Pacific research. Includes application of theory to research questions and development of proposals for research that draw on Pacific world views and form a basis for robust, innovative and significant research contributions.

Restriction: PACIFIC 702, 709

PACIFIC 715 30 Points**The Global Pacific**

An interdisciplinary approach to understanding contemporary challenges for Pacific societies, incorporating anthropological, sociological, historical, and Pacific/Indigenous Studies sources. Examines contemporary challenges and potential futures of the Pacific through a focus on the key themes of colonial legacies, globalisation, and transnationalism; the movement of people and commodities; articulations of popular culture and practice; and sovereignty, power, and movements toward indigenous resurgence.

Restriction: PACIFIC 704

PACIFIC 716 15 Points**The Pacific: Interdisciplinary Studies**

Examines Pacific Studies as an (inter)discipline, its constituent parts, its intellectual and institutional genealogies, as well as its diversities and its challenges.

Restriction: PACIFIC 700

PACIFIC 717 15 Points**Pacific Policies, Pacific Peoples**

Taking a transdisciplinary approach informed by Pacific scholarship, this course will critically analyse the production of policies that impact Pacific people in Aotearoa New Zealand and in the Pacific.

Restriction: PACIFIC 718

PACIFIC 718 30 Points**Pacific Policies, Pacific Peoples**

Taking a transdisciplinary approach informed by Pacific scholarship, this course will critically analyse the production of policies that impact Pacific people in Aotearoa New Zealand and in the Pacific.

Restriction: PACIFIC 717

PACIFIC 785 30 Points**PACIFIC 785A 15 Points****PACIFIC 785B 15 Points****Research Project - Level 9**

To complete this course students must enrol in PACIFIC 785 A and B, or PACIFIC 785

PACIFIC 792 45 Points**PACIFIC 792A 22.5 Points****PACIFIC 792B 22.5 Points****Dissertation - Level 9**

To complete this course students must enrol in PACIFIC 792 A and B, or PACIFIC 792

PACIFIC 793	60 Points
PACIFIC 793A	30 Points
PACIFIC 793B	30 Points
Dissertation - Level 9	
<i>To complete this course students must enrol in PACIFIC 793 A and B, or PACIFIC 793</i>	
PACIFIC 796A	60 Points
PACIFIC 796B	60 Points
Thesis - Level 9	
<i>To complete this course students must enrol in PACIFIC 796 A and B</i>	
PACIFIC 797A	60 Points
PACIFIC 797B	60 Points
Research Portfolio - Level 9	
<i>To complete this course students must enrol in PACIFIC 797 A and B</i>	

Philosophy

Stage I

PHIL 100	15 Points
Mind, Knowledge, and Reality	
Metaphysics deals with fundamental problems about the nature of the world and human beings, for example, questions about the existence of God, the nature of time, the relationship between mind and body and the nature of identity and the self. The theory of knowledge studies the sources, limits and justification of human knowledge and understanding as distinct from opinion or belief.	
PHIL 101	15 Points
Introduction to Logic	
Logic is the study of argument. This course aims to provide an understanding of central logical notions, such as consistency and inconsistency, logical truth, and, most importantly, what it means for an argument to be valid or invalid, sound or unsound. The course examines two main logical systems, propositional and predicate logic, and shows how these formal systems are used to analyse and evaluate arguments.	
PHIL 104	15 Points
Ethics and Justice	
How should we live? And how do we live well together? This course examines practical questions of ethics and justice at the personal, professional, social and global levels. The course reflects on these topics in the light of philosophical theories about justice, liberty, rights, and different approaches to ethics that emphasise roles, rules, virtues and consequences.	
PHIL 105	15 Points
PHIL 105G	15 Points
Critical Thinking	
An introduction to reasoning, argument, and explanation that emphasises the development of practical skills and their use in everyday life. The course introduces different forms of reasoning and explains techniques to evaluate them. It will enable students to distinguish good arguments and explanations from bad ones, to explain the difference, and thereby to improve critical thinking abilities.	

Stage II

PHIL 200	15 Points
Philosophy of Mind	
There are many philosophical problems concerning mental lives (in particular, human mental lives), how they are constituted, and what makes them possible – problems which have generated a vast literature and diverse important philosophical theories. Theories introduced and critically examined will include dualisms, but will mainly comprise forms of physicalism such as philosophical behaviourism, the identity theory and especially functionalist theories.	
<i>Prerequisite: 30 points in Philosophy or 60 points</i>	
<i>Restriction: PHIL 320</i>	
PHIL 204	15 Points
Greek Philosophy	
An introduction to some of the important figures in ancient philosophy and the issues with which they were concerned. The work of the Presocratics, Plato, and Aristotle will be explored, with a detailed discussion of the philosophical system of either Plato or Aristotle and its importance in the history of philosophy.	
<i>Prerequisite: 60 points from BA courses at Stage I</i>	
PHIL 206	15 Points
Language, Truth and Meaning	
Explores how language is used to communicate ideas. Topics may include: the nature of meaning, how words can convey meaning, how word meaning combines to create sentential meaning, how we communicate better by not saying what we mean, how we repair and reconstrue utterances to extract meaning, how truth is related to meaning, how slurs work.	
<i>Prerequisite: 30 points in Philosophy</i>	
<i>Restriction: PHIL 306</i>	
PHIL 207	15 Points
Philosophy and Religion	
Examines the relationship between philosophy and religion from the perspective of different philosophical and religious traditions. Topics include: the nature of ultimate reality, arguments for and against the existence of God or gods, competing philosophical and religious accounts of life after death, religious pluralism and diversity.	
<i>Prerequisite: 30 points in Philosophy</i>	
<i>Restriction: PHIL 327</i>	
PHIL 209	15 Points
19th-Century European Philosophy	
Examines key figures in nineteenth-century European philosophy, including Arthur Schopenhauer, Friedrich Nietzsche, Søren Kierkegaard, and Karl Marx. Considers alternative reactions to the human condition, either by minimising suffering and seeking tranquillity, by embracing the pain that life contains and continuing to struggle for greatness, by aiming to experience one's true individuality, or by working to establish a non-exploitative social community.	
<i>Prerequisite: 30 points in Philosophy or EUROPEAN 100 and 15 points in Philosophy</i>	
<i>Restriction: PHIL 329</i>	
PHIL 216	15 Points
Modal Logic	
An introduction to modal logic, which is a variation of the system of predicate logic studied in PHIL 101. Modal logic is well-suited for studying philosophically important concepts such as necessity, time, knowledge, vagueness, action and obligation. It is also used in computer science for	

studying the behaviour of programs and is recommended as preparation for studying logic at Stage III.

Prerequisite: PHIL 101

PHIL 218 15 Points
Problems in Epistemology

Epistemology is the study of knowledge, rationality, belief and related topics. This course will give an overview of epistemology but will focus on three main issues: foundationalism versus coherentism, internalism versus externalism and replies to scepticism.

Prerequisite: 30 points in Philosophy

Restriction: PHIL 338

PHIL 222 15 Points
Intermediate Logic

Natural deduction for propositional and predicate logic; introductory metalogic and related topics in formal logic.

Prerequisite: PHIL 101

Restriction: PHIL 201

PHIL 225 15 Points
Power, Critique and Emancipation

What is power? When are relations of power are legitimate and illegitimate? How is power structured in the modern world? How can illegitimate structures of power can be resisted and reordered to promote justice and human flourishing? This course examines and analyses cultural, economic, political and epistemic structures of power, including gender, race, and class.

Prerequisite: 30 points in Philosophy or 60 points passed

Restriction: PHIL 345

PHIL 226 15 Points
Special Topic

Prerequisite: 30 points in Philosophy

PHIL 228 15 Points
Special Topic: Political Philosophy: Resistance and Reconciliation

Explores philosophical concepts arising from and enacted within resistance movements and processes of reconciliation in Aotearoa New Zealand, wider Moana-Oceania and the world.

Prerequisite: 30 points in Philosophy at Stage I or 60 points at Stage I

Restriction: PHIL 308

PHIL 231 15 Points
Indigenous Philosophy

An exploration of concepts and ideas from a range of Indigenous philosophies, critically examining these with a view to understanding their theoretical underpinnings, conceptual migrations, and contemporary significance in both local and global contexts.

Prerequisite: 30 points at Stage I in Philosophy or 60 points passed

Restriction: PHIL 331

PHIL 250 15 Points
Philosophy and the Environment

Philosophical questions relating to the environment and our use of it, such as the following: Do we have obligations to future generations, especially concerning preservation of the environment? What are our moral and epistemic responsibilities regarding climate change and other environmental issues? Does nature have intrinsic value? Is it better to live in a natural world or a virtual world.

Prerequisite: 30 points in Philosophy or 60 points

Restriction: PHIL 351

PHIL 260 15 Points

Philosophy of Science

Addresses philosophical questions about science, such as: What distinguishes science from pseudoscience? How is scientific knowledge generated and structured? Should we believe scientific claims about things we cannot directly observe? Do scientific theories give us true accounts of the world? Examines philosophical accounts of science and cases from historical and contemporary scientific research. A background in science is not expected.

Prerequisite: 30 points in Philosophy or 60 points

Restriction: PHIL 360

PHIL 261 15 Points
Metaphysical Structures of the World

Metaphysics attempts to give a quite general picture of the nature and structure of the world, and particularly investigates philosophical problems which thereby arise. Science, common sense, religions and cultures all presuppose metaphysical worldviews. Traditional metaphysical problems concern laws, causation, time, space, substance, identity, attributes and universals, free will, reality, existence etc. Course topics will be selected from such traditional problems.

Prerequisite: 30 points in Philosophy or 60 points

Restriction: PHIL 361

PHIL 263 15 Points
Philosophy of Biology

Examines philosophical and conceptual issues in the life sciences. Topics may include the units and levels of selection, adaptationism, the evolution of altruism, biology and ethics, sociobiology and evolutionary psychology, cultural evolution, evolution versus creationism, and the origin and nature of life.

Prerequisite: 30 points in Philosophy or 60 points

Restriction: PHIL 363

PHIL 268 15 Points
Ethical Theory

Philosophical study of moral theory, in both normative ethics and meta-ethics. Topics covered may include: accounts of well-being such as hedonism, preference theory, and objectivism; theories of right action such as consequentialism and contractualism; the demandingness of morality; the role of intuitions in moral theory; and the status and justification of moral theories.

Prerequisite: 30 points at Stage I in Philosophy or any 60 points passed from the BA or 30 points in Global Politics and Human Rights

Restriction: PHIL 368

Stage III

PHIL 300 15 Points
Directed Study

A directed reading and individual study course on a selected philosophical topic offered in exceptional circumstances, with the agreement and under the supervision of appropriate staff.

Prerequisite: B+ average or higher at Stage III in Philosophy and Academic Head approval

PHIL 302 15 Points
Medieval Philosophy

A detailed introduction to either the work of a leading medieval philosopher, for example Augustine, Abaelard, Scotus or Ockham, or to one or more of the topics which were of interest to medieval philosophers. The course aims to show how understanding medieval philosophy is

essential for the history of Christian thought and philosophy up to modern times.

Prerequisite: 30 points at Stage II in Philosophy, or EUROPEAN 100 and 15 points at Stage II in Philosophy

PHIL 306 15 Points
Language, Truth and Meaning

Explores how language is used to communicate ideas. Topics may include: the nature of meaning, how words can convey meaning, how word meaning combines to create sentential meaning, how we communicate better by not saying what we mean, how we repair and reconstrue utterances to extract meaning, how truth is related to meaning, how slurs work.

Prerequisite: 30 points in Philosophy at Stage II
Restriction: PHIL 206

PHIL 307 15 Points
Special Topic

Prerequisite: 30 points at Stage II in Philosophy

PHIL 308 15 Points
Special Topic: Political Philosophy: Resistance and Reconciliation

Explores philosophical concepts arising from and enacted within resistance movements and processes of reconciliation in Aotearoa New Zealand, wider Moana-Oceania and the world.

Prerequisite: 30 points in Philosophy at Stage II or 60 points at Stage II
Restriction: PHIL 228

PHIL 315 15 Points
Topics in Applied Logic

A selection of topics in applied logic such as: modal logic (the logic of necessity and possibility), temporal logic (the logic of time), dynamic logic (the logic of change), and epistemic logic (the logic of knowledge and belief, including the logic of belief revision).

Prerequisite: 15 points from PHIL 222, 216 or 266

PHIL 320 15 Points
Philosophy of Mind

There are many philosophical problems concerning mental lives (in particular, human mental lives), how they are constituted, and what makes them possible – problems which have generated a vast literature and diverse important philosophical theories. Theories introduced and critically examined will include dualisms, but will mainly comprise forms of physicalism such as philosophical behaviourism, the identity theory and especially functionalist theories.

Prerequisite: 30 points at Stage II in Philosophy or PHIL 260 and SCIGEN 201

Restriction: PHIL 200

PHIL 323 15 Points
Philosophy of Logic

An introduction to philosophical logic, covering topics such as: paradoxes, non-classical logic, language and logic, conditionals. Emphasis is put on a back and forth dialogue between the methodologies of logic and philosophy.

Prerequisite: PHIL 222 or 30 points at Stage II in Philosophy

PHIL 327 15 Points
Philosophy and Religion

Examines the relationship between philosophy and religion from the perspective of different philosophical and religious traditions. Topics include: the nature of ultimate reality, arguments for and against the existence of God or gods,

competing philosophical and religious accounts of life after death, religious pluralism and diversity.

Prerequisite: 30 points at Stage II in Philosophy

Restriction: PHIL 207

PHIL 331 15 Points
Indigenous Philosophy

An exploration of concepts and ideas from a range of Indigenous philosophies, critically examining these with a view to understanding their theoretical underpinnings, conceptual migrations, and contemporary significance in both local and global contexts.

Prerequisite: 30 points at Stage II in Philosophy

Restriction: PHIL 231

PHIL 338 15 Points
Problems in Epistemology

Epistemology is the study of knowledge, rationality, belief and related topics. This course will give an overview of epistemology but will focus on three main issues: foundationalism versus coherentism, internalism versus externalism and replies to scepticism.

Prerequisite: 30 points at Stage II in Philosophy

Restriction: PHIL 218

PHIL 340 15 Points
Kant and Hegel

An examination of the development of German idealism from Kant to Hegel, focusing on Kant's *Critique of Pure Reason* (1781-1787) and Hegel's *Phenomenology of Spirit* (1807).

Prerequisite: 30 points at Stage II in Philosophy, or EUROPEAN 100 and 15 points at Stage II in Philosophy

Restriction: PHIL 220

PHIL 341 15 Points
20th-Century European Philosophy

Examines intellectual movements in twentieth-century European philosophy, including phenomenology, hermeneutics, existentialism, and poststructuralism. Discusses key figures in these movements such as Edmund Husserl, Martin Heidegger, Jean-Paul Sartre, Simone de Beauvoir, Maurice Merleau-Ponty, Hannah Arendt, Michel Foucault, and Jürgen Habermas.

Prerequisite: 30 points at Stage II in Philosophy, or EUROPEAN 100 and 15 points at Stage II in Philosophy

Restriction: PHIL 221

PHIL 345 15 Points
Power, Critique and Emancipation

What is power? When are relations of power are legitimate and illegitimate? How is power structured in the modern world? How can illegitimate structures of power can be resisted and reordered to promote justice and human flourishing? This course examines and analyses cultural, economic, political and epistemic structures of power, including gender, race, and class.

Prerequisite: 30 points at Stage II in Philosophy or 60 points passed at Stage II

Restriction: PHIL 225

PHIL 351 15 Points
Philosophy and the Environment

Philosophical questions relating to the environment and our use of it, such as the following: Do we have obligations to future generations, especially concerning preservation of the environment? What are our moral and epistemic responsibilities regarding climate change and other

environmental issues? Does nature have intrinsic value? Is it better to live in a natural world or a virtual world?

Prerequisite: 30 points at Stage II in *Global Environment and Sustainable Development or Philosophy*

Restriction: PHIL 250

PHIL 360 15 Points
Philosophy of Science

Addresses philosophical questions about science, such as: What distinguishes science from pseudoscience? How is scientific knowledge generated and structured? Should we believe scientific claims about things we cannot directly observe? Do scientific theories give us true accounts of the world? Examines philosophical accounts of science and cases from historical and contemporary scientific research. A background in science is not expected.

Prerequisite: 30 points at Stage II in *Philosophy*

Restriction: PHIL 260

PHIL 361 15 Points
Metaphysical Structures of the World

Metaphysics attempts to give a quite general picture of the nature and structure of the world, and particularly investigates philosophical problems which thereby arise. Science, common sense, religions and cultures all presuppose metaphysical worldviews. Traditional metaphysical problems concern laws, causation, time, space, substance, identity, attributes and universals, free will, reality, existence etc. Course topics will be selected from such traditional problems.

Prerequisite: 30 points at Stage II in *Philosophy or PHIL 260 and SCIGEN 201*

Restriction: PHIL 261

PHIL 363 15 Points
Philosophy of Biology

Examines philosophical and conceptual issues in the life sciences. Topics may include the units and levels of selection, adaptationism, the evolution of altruism, biology and ethics, sociobiology and evolutionary psychology, cultural evolution, evolution versus creationism, and the origin and nature of life.

Prerequisite: 30 points at Stage II in *Philosophy or PHIL 260 and SCIGEN 201*

Restriction: PHIL 263

PHIL 368 15 Points
Ethical Theory

Philosophical study of moral theory, in both normative ethics and meta-ethics. Topics covered may include: accounts of well-being such as hedonism, preference theory, and objectivism; theories of right action such as consequentialism and contractualism; the demandingness of morality; the role of intuitions in moral theory; and the status and justification of moral theories.

Prerequisite: 30 points at Stage II in *Global Politics and Human Rights or Philosophy or PHIL 250 or POLITICS 209*

Restriction: PHIL 268

Postgraduate 700 Level Courses

PHIL 701 30 Points
Philosophy for Children – Theory and Practice

Provides a thorough practical grounding in facilitation of philosophical communities of inquiry, and in the construction of materials to stimulate philosophical inquiry. The educational theory and international research on cognitive and social outcomes of Philosophy for Children are explored. A selection of topics in philosophy will be

studied at a level appropriate for advanced Education students encountering philosophy for the first time.

Prerequisite: Diploma in Teaching (Primary or Secondary), or equivalent

PHIL 720 30 Points

PHIL 720A 15 Points

PHIL 720B 15 Points

Special Studies

Directed study on a topic or topics approved by the Academic Head or nominee.

To complete this course students must enrol in PHIL 720 A and B, or PHIL 720

PHIL 722 30 Points

Special Topic

PHIL 723 30 Points

Special Topic

PHIL 724 30 Points

Special Topic

PHIL 726 15 Points

Ethics 1

Discussion of selected topics in Ethics.

PHIL 727 15 Points

Ethics 2

Discussion of selected topics in Ethics.

PHIL 728 15 Points

Political Philosophy 1

Discussion of selected topics in political philosophy.

PHIL 729 15 Points

Political Philosophy 2

Discussion of selected topics in political philosophy.

PHIL 731 15 Points

Philosophy of the Arts 1

Discussion of selected topics in philosophy of the arts.

PHIL 732 15 Points

Philosophy of the Arts 2

Discussion of selected topics in philosophy of the arts.

PHIL 736 15 Points

Logic 1

Discussion of selected topics in logic.

PHIL 737 15 Points

Logic 2

Discussion of selected topics in logic.

PHIL 738 15 Points

Philosophical Logic

Discussion of selected topics in philosophical logic.

PHIL 739 15 Points

Philosophy of Language

Discussion of selected topics in philosophy of language.

PHIL 740 15 Points

Metaphysics 1

Discussion of selected topics in metaphysics.

PHIL 742 15 Points

Philosophy of Religion 1

Discussion of selected topics in philosophy of religion.

PHIL 743 15 Points

Philosophy of Religion 2

Discussion of selected topics in philosophy of religion.

PHIL 744 Philosophy of Religion 3 Discussion of selected topics in philosophy of religion.	15 Points	PHIL 771 Special Studies: Honours Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points
PHIL 745 Philosophy of Mind 1 Discussion of selected topics in philosophy of mind.	15 Points	PHIL 772 Special Studies: Honours Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points
PHIL 746 Philosophy of Mind 2 Discussion of selected topics in philosophy of mind.	15 Points	PHIL 774 Special Studies: Master's Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points
PHIL 749 Philosophy of Science 1 Discussion of selected topics in philosophy of science.	15 Points	PHIL 775 Special Studies: Master's Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points
PHIL 750 Philosophy of Science 2 Discussion of selected topics in philosophy of science.	15 Points	PHIL 776 Special Studies: Master's Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points
PHIL 752 Ancient/Medieval Philosophy 1 Discussion of selected topics in ancient and medieval philosophy.	15 Points	PHIL 782 Research Project - Level 9 <i>To complete this course students must enrol in PHIL 782 A and B, or PHIL 782</i>	30 Points
PHIL 753 Ancient/Medieval Philosophy 2 Discussion of selected topics in ancient and medieval philosophy.	15 Points	PHIL 782A	15 Points
PHIL 757 European Continental Philosophy 1 Discussion of selected topics in European continental philosophy.	15 Points	PHIL 782B	15 Points
PHIL 758 European Continental Philosophy 2 Discussion of selected topics in European continental philosophy.	15 Points	PHIL 792	45 Points
PHIL 759 European Continental Philosophy 3 Discussion of selected topics in European continental philosophy.	15 Points	PHIL 792A	22.5 Points
PHIL 765 Special Topic: Indigenous Political Philosophies An exploration of contemporary Indigenous moral and political philosophies from around the world. These may include philosophical traditions and methods of inquiry from Aotearoa New Zealand, Moana-Oceania, Africa, North America, Latin America, South-East Asia and others. Alongside exploring these philosophical traditions together, we will also consider contemporary issues in metaphilosophy and intercultural engagement.	15 Points	PHIL 792B	22.5 Points
PHIL 768 Special Studies Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points	Dissertation - Level 9 <i>To complete this course students must enrol in PHIL 792 A and B, or PHIL 792</i>	
PHIL 769 Special Studies Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points	PHIL 793	60 Points
PHIL 770 Special Studies: Honours Directed study on a topic or topics approved by the Academic Head or nominee.	15 Points	PHIL 793A	30 Points
		PHIL 793B	30 Points
		Dissertation - Level 9 <i>To complete this course students must enrol in PHIL 793 A and B, or PHIL 793</i>	
		PHIL 796A	60 Points
		PHIL 796B	60 Points
		Thesis - Level 9 <i>To complete this course students must enrol in PHIL 796 A and B</i>	
		PHIL 797A	60 Points
		PHIL 797B	60 Points
		Research Portfolio - Level 9 <i>To complete this course students must enrol in PHIL 797 A and B</i>	
<hr/> Physical Education <hr/>			
Stage I			
		PHYSED 101 Games and Sport Education Develops knowledge and appreciation of various game forms. Analyses game structures and processes. Develops performance competency in games through experiential learning. Explores and analyses potentially positive and negative outcomes of participating in games and sport. <i>Restriction: EDCURRIC 231, EDPROF 344</i>	15 Points

PHYSED 102**15 Points****Alternative Sport and Play**

Develops understanding of alternative sport and games young people play in Aotearoa New Zealand and internationally. Explores a range of non-traditional and non-competitive physical activities. Reflects on the socio-cultural dimensions of these types of physical activities, including an examination of how alternative sport enables young people to learn, play, communicate, create, express themselves, and belong.

Restriction: EDCURRIC 232

PHYSED 104**15 Points****Aquatics and Water Safety**

Studies aquatic activity with an emphasis on the practical competencies that underpin safe and engaging recreation in Aotearoa New Zealand. Includes drowning prevention promotion and water safety education with particular reference to high-risk activities and at-risk groups, including children and youth. Demonstrate responsibility in aquatic environments including developing a range of aquatic skills, identifying hazards, and care for aquatic environments.

Restriction: EDCURRIC 130, 232

Politics and International Relations

Stage I**POLITICS 106****15 Points****Global Politics**

An introduction to the study of international relations. The focus is on how international organisations, states and non-state actors raise and address global challenges such as security and human insecurity, humanitarian intervention, global trade and finance, development and poverty, environmental degradation, warfare, and respect for human rights. The course is informed by and introduces a range of international relations theories.

POLITICS 107**15 Points****New Zealand Politics**

An introduction to understanding who governs New Zealand and in whose interests. Topics include national identity, institutions of government, leadership, voting and elections, the place of Māori within the political system, parties and political participation. The course draws on current research in NZ politics and provides knowledge that can be applied to a variety of careers, including law, business and public service.

POLITICS 109**15 Points****Foundations of Western Politics and Law**

An examination, via the works of selected major European thinkers from Ancient Greece to nineteenth-century Britain, of ideas central to the western tradition of political thought: justice, law, liberty, power, rights, citizenship, the rights of women, and the right to resist governments. Thinkers studied include Plato, Machiavelli, Hobbes, Locke, Rousseau, Wollstonecraft, Mill and Marx.

Stage II**POLITICS 201****15 Points****Globalisation and International Organisations**

Examines the relationship between globalisation and international relations. Investigates recent developments of globalisation in view of the rise and fall of great powers, placing globalisation against the backdrop of the school of

liberalism in international relations theory, and studies the role played by international organisations.

Prerequisite: 30 points at Stage I in Politics and International Relations or Employment Relations and Organisational Studies or POLITICS 106 and 30 points in either Global Politics and Human Rights or International Relations and Business

Restriction: POLITICS 348

POLITICS 202**15 Points****Democrats and Dictators**

Introduces the study of institutional change in non-democratic and emergent and established democratic states. Develops an understanding of democratic transition and consolidation (or a lack of them), and the breadth of institutional types in global politics.

Prerequisite: 15 points at Stage I in Politics and International Relations, and 30 points from BA courses or 30 points in Global Studies

POLITICS 203**15 Points****Special Topic**

Prerequisite: 30 points at Stage I in Politics and International Relations

POLITICS 207**15 Points****Media, Conflict and Peace**

Explores the role of media in cases of modern conflict, genocide, and peace processes. Through case studies, the course examines media structure, content, framing and psychological responses during times of conflict and peace-making, and how media informs audiences and either foments or quells conflict.

Prerequisite: 30 points at Stage I in Communication, Media and Screen Studies or Politics and International Relations

POLITICS 209**15 Points****Modern Political Thought**

What should the state do and what should it keep out of? Focussing on key debates in modern political theory, topics will vary year from year and may include political authority and the rule of law; freedom, coercion, and manipulation; indigenous rights and the welfare state; paternalism; the ethics of war, global justice and feminism.

Prerequisite: 15 points at Stage I in Politics and International Relations and 30 points in the BA

POLITICS 210**15 Points****Special Topic**

Prerequisite: 30 points at Stage I in Politics and International Relations

POLITICS 211**15 Points****Politics of China**

An introduction to China's domestic politics, emphasising changes since 1978. The course explores topics such as political succession; the cadre system and political decision-making at the central, provincial, and local levels; economic development; popular religion and the state; NGOs and the non-state sector; nationalism and ethnic diversity; the role and relevance of ideological legacies; and institutional innovation and authoritarian survival.

Prerequisite: 30 points at Stage I in Politics and International Relations, or POLITICS 106 and ASIAN 100, or CHINESE 130 and ASIAN 100

POLITICS 216**15 Points****Special Topic**

Prerequisite: 30 points at Stage I in Politics and International Relations

POLITICS 218**15 Points****American Politics and Public Policy**

Explores American politics and policy. Analyses the US political system and its governance, including the ideas of federalism, separation of powers, checks and balances. Examines the country's development, its legal and policy-making system, the dynamics between the various actors, and the struggle for power and policy. Covers political parties, participation, interest groups, social movements, media, campaigns and elections.

Prerequisite: 30 points at Stage I in *Politics and International Relations*, or *POLITICS 106* and 30 points in *Global Politics and Human Rights*

Restriction: *POLITICS 347*

POLITICS 222**15 Points****Public Policy: Actors, Processes and Politics**

Government policy choices determine the taxes we pay, the resources we consume and the wars we fight. This course provides an introduction to policy studies together with a conceptual tool-kit for understanding and evaluating public policies. It poses questions about the relevance of different actors and instruments in a series of important substantive policy areas: health and food, the environment, foreign relations, (un)employment, crime and the economy.

Prerequisite: 30 points at Stage I in *Politics and International Relations* or *Māori Studies* or *MĀORI 130*, or 30 points at Stage I in *Social Science for Public Health*, or 30 points at Stage I in *BC courses*

POLITICS 229**15 Points****Mana Māori Motuhake / Māori Politics and Public Policy**

An introduction to Māori politics. Topics include the Treaty of Waitangi, the politicisation of identity, sovereignty and self-determination, representation, globalisation and the Māori economy, Māori development and Māori media. Some contemporary and comparative indigenous policy issues will be discussed.

Prerequisite: 30 points at Stage I in *Politics and International Relations* or *Māori Studies*, or any 60 points

POLITICS 233**15 Points****Politics, Media and Public Sphere**

Critics voice disquiet about the future of journalism and political deliberation, and the lack of a unified public space where citizens can engage seriously with matters of collective concern. The course surveys the changing public sphere over time, from its early-modern emergence to the challenges of tabloid news and online fragmentation in contemporary media culture.

Prerequisite: 30 points at Stage I in *Politics and International Relations*, or *COMMS 100* and *MEDIA 101*, or 30 points at Stage I in *Communication*

POLITICS 236**15 Points****Special Topic: Aotearoa New Zealand Compared**

Introducing comparative politics as a method and a subject of study, with Aotearoa serving as the primary comparative case. Analyses major features of politics and government, and engages with the key theories, concepts, methods, and debates within comparative politics. Equips students with a "comparative mindset", and challenges assumptions about Aotearoa's politics.

Prerequisite: 30 points at Stage I in *Politics and International Relations*

POLITICS 254**15 Points****China and the World**

A comprehensive investigation of China's engagement with the world. Focuses on China's relations with its

neighbouring countries and other parts of the world. Examines China's involvement in international institutions such as the United Nations, the world trade system, the environment and human rights.

Prerequisite: 30 points at Stage I in *Politics and International Relations*, or *Asian Studies* or *History*, or *CHINESE 130* and *ASIAN 100*, or *POLITICS 106* and 30 points in *Global Politics and Human Rights*

Restriction: *POLITICS 354*

POLITICS 256**15 Points****Critical Security Studies**

Investigates recent developments in the theory and practice of international security from a critical perspective. Provides an overview of the main concepts, theories, methodological approaches, and empirical objects in the field. Develops the skills and knowledge necessary to understand a core subject within International Relations.

Prerequisite: 30 points at Stage I in *Politics and International Relations*, or *POLITICS 106* and 30 points in *International Relations and Business*

Stage III**POLITICS 301****15 Points****Toleration and Censorship**

An exploration of the ideas and practical dilemmas, past and present, of toleration and intolerance, and the relationship between freedom of expression and attempts to censor and control the public communication of political, religious and moral thought.

Prerequisite: 30 points at Stage II in *Politics and International Relations*, or 15 points at Stage II in *Politics and International Relations* and 15 points at Stage II in *History or Philosophy*

POLITICS 303**15 Points****War and Political Violence**

An advanced introduction to violence and war, paying particular attention to why conflicts begin, how they escalate and what can be done to build a sustainable peace. Students explore the main theories of political violence, as well as key themes such as post-conflict reconstruction, sexual violence, reconciliation, humanitarian intervention and terrorism.

Prerequisite: 30 points at Stage II in *Politics and International Relations* or *POLITICS 106* and 30 points at Stage II in *Global Politics and Human Rights*

POLITICS 304**15 Points****Special Topic****POLITICS 311****15 Points****Gender and Global Politics**

Advanced investigation of feminist and gender theory as applied to key issues in International Relations. Presents feminist approaches to key contemporary issues including digital politics, women and militarism, global health, sexual violence in war, migration and population displacement, and queer politics. Students will develop a sophisticated understanding of the roles of gender in global politics.

Prerequisite: 30 points in *Gender Studies* or *Global Studies* or 15 points at Stage II in *Politics and International Relations*

POLITICS 313**15 Points****Governing Planet Earth**

Environmental problems play an increasingly important role in contemporary politics. This course examines the role of ideologies and institutions in shaping environmental governance challenges from climate change and land-use

conflicts to air and water pollution. Drawing from examples in New Zealand and around the globe, topics include limits to growth, sustainable development, ecological modernisation, ecolocalism and environmental justice.

Prerequisite: 30 points at Stage II in Politics and International Relations, or POLITICS 106 and 30 points at Stage II in Global Environment and Sustainable Development, or 30 points at Stage II in BC courses

Restriction: POLITICS 205

POLITICS 314 **Democracy in Theory and Practice** **15 Points**

Examines the theory and practice of democratic politics. Specific questions include how democracies try to reconcile freedom and equality, and the relations between democratic nationalism and citizenship. Practical topics include judicial review and the rule of law, referendums and the 'tyranny of the majority', and issues in political representation, including Māori representation.

Prerequisite: 30 points at Stage II in Politics and International Relations, or 15 points at Stage II in Politics and International Relations and 15 points at Stage II in Economics or History or Philosophy or Māori Studies or Sociology, or POLITICS 106 and 30 points at Stage II in Global Politics and Human Rights

Restriction: POLITICS 214

POLITICS 315 **The Practice of Politics** **15 Points**

Explores the skills and knowledge needed for students to practice politics effectively, considering the range of jobs available in the political arena, the professional skills needed to succeed in political positions, lessons that can be learnt from political science literature about how to practice politics both effectively and ethically, and individual development of employability attributes.

Prerequisite: 30 points at Stage II in Politics and International Relations

POLITICS 316 **Capitalism and its Critics** **15 Points**

An account of the main variants of capitalism, criticisms of capitalism, and some alternatives. Topics include: markets in theory and practice; the value of efficiency and capitalism's growth imperative; consumer sovereignty; alienation; unemployment; meaningful work; planned economies and market socialism; incentives and the profit motive; democracy at work; labour market regulation; inequality and poverty.

Prerequisite: 30 points at Stage II in Politics and International Relations, or 15 points at Stage II in Politics and International Relations and 15 points at Stage II in Philosophy, or POLITICS 106 and 30 points at Stage II in International Relations and Business

POLITICS 320 **Social Justice** **15 Points**

Examines contemporary theories of justice focusing on the relationships between justice, equality and liberty. Students explore a range of topics that may include the distribution of resources both globally and domestically, and the rights of cultural minorities, gender groups, animals and future generations.

Prerequisite: 30 points at Stage II in Politics and International Relations or Philosophy, or POLITICS 106 and 30 points at Stage II in Global Politics and Human Rights

POLITICS 345 **Political Marketing** **15 Points**

Studies how and why political organisations such as political parties use business techniques and concepts.

Prerequisite: 30 points at Stage II in Politics and International Relations, or 30 points at Stage II in Communication, or 30 points at Stage II in Global Studies

POLITICS 346 **Terrorism** **15 Points**

Terrorism is a major issue of global concern. In this course, students will learn the definition, history, causes and dynamics of terrorism. They will examine why terrorist organisations emerge, their goals and the causes of their demise. Students also examine the causes of radicalisation of individual terrorists and how governments can counter violent extremism.

Prerequisite: 30 points at Stage II in Politics and International Relations, or POLITICS 106 and 30 points at Stage II in Global Politics and Human Rights

POLITICS 347 **American Politics and Public Policy** **15 Points**

Explores American politics and policy. Analyses the US political system and its governance, including the ideas of federalism, separation of powers, checks and balances. Examines the country's development, its legal and policy-making system, the dynamics between the various actors, and the struggle for power and policy. Covers political parties, participation, interest groups, social movements, media, campaigns and elections.

Prerequisite: 30 points at Stage II in Politics and International Relations, or 60 points in Global Politics and Human Rights

Restriction: POLITICS 218

POLITICS 356 **Ethno-Political Violence: Hate Crimes to Genocide** **15 Points**

Examines the causes and prevention of ethno-political violence. Forms of violence examined include: hate crimes; ethnic and religious conflict; revolution, insurgency and civil war; mass killings and genocide. Students will become familiar with the main theories and explanations of this violence, numerous case studies and policies for their prevention.

Prerequisite: 30 points at Stage II in Politics and International Relations, or POLITICS 106 and 30 points at Stage II in Global Politics and Human Rights

POLITICS 358 **Special Topic** **15 Points**

Postgraduate 700 Level Courses

POLITICS 701 **Research Design in Empirical Political Inquiry** **15 Points**

Explores a range of tools and approaches commonly used by political and other social scientists in the course of conducting empirical research. The course is designed to assist postgraduate students in Politics and International Relations, as well as cognate disciplines, in developing their own research projects.

POLITICS 702 **Transitional Justice: From Retribution to Reconciliation** **15 Points**

Explores the politics of transitional justice in post-war, post-conflict, and post-colonial states. Students examine political responses to atrocity in the context of conflicting demands that include the rule of law, peace, retribution, and human rights. Specific topics include trials, truth commissions and hybrid courts, the use of amnesty and

the practice of apology, democratisation, development and reconciliation.

POLITICS 704 **15 Points**

Political Management in Government

Explores how politicians and their staff use management tools to help them achieve their goals within the constraints and challenges of the governing environment. It explores the nature of government, and the potential and limitations of branding, PR, market research, public engagement, strategy, government advertising, crisis management, media management and delivery management within the political environment.

POLITICS 706 **15 Points**

International Relations in Asia

A theoretical perspective based on empirical analyses that draws on Western theories to examine burgeoning perspectives from the rising East. The empirical analyses cover North Korea's nuclear crisis, territorial disputes in the South China Sea, relations across the Taiwan Strait, as well as regional trade, investment, and finance.

POLITICS 708 **15 Points**

Theorising International Relations

An advanced examination of contemporary international relations theory. Students will explore key concepts, such as war, anarchy and the state, along with a range of different theoretical perspectives, from realism and liberalism through to feminism, poststructuralism and postcolonialism.

Restriction: POLITICS 318

POLITICS 709 **15 Points**

Political Extremism

Considers the political context behind a range of forms of modern extremism, including fascism and other forms of dictatorship, genocide, the persecution of minorities, far-right white nationalism, and religious and political terrorism. Investigate cases such as the Nazi regime; Stalin's Soviet Union; the Cambodian, Indonesian and other genocides; al Qaeda; Islamic State / ISIS; and neo-Nazis so as to identify common pathways to extremism.

POLITICS 710 **15 Points**

The Security-Development Nexus

The security-development nexus has become the leading paradigm for international interventions since the end of the Cold War, especially since the 11 September 2001 terrorist attacks. This course engages with the advanced theoretical, normative and operational underpinnings of the 'nexus'. The theoretical learning will then allow students to critically analyse the political economy and operational outcomes of international interventions.

POLITICS 711 **15 Points**

Bodies in/at War

War is a profoundly embodied experience, but the body is often erased in the dominant accounts. This course places the body at the centre of critical thinking on war. Examines how bodies are prepared for war, how different bodies experience war, and what happens to these bodies in the aftermath of war.

POLITICS 722 **15 Points**

Special Topic

POLITICS 724 **15 Points**

Identity and the Politics of Multiculturalism

Explores the theoretical implications of identity politics

based on gender, race, ethnicity, sexuality. Considers the effects of these claims on liberty, justice, equal citizenship, political representation and participation. Readings cover liberalism, feminism, communitarianism and deliberative democracy.

POLITICS 731 **15 Points**

The Engendering of Global Conflict

Explores feminist theory and methodology in the study of war and conflict, including feminist interventions on how to prevent war and conflict. Topics include women's roles in war and the gendering of militarism; sexual and environmental offences, race and human rights violations; colonial legacies, feminist resistance to war, and the UN's Women, Peace, and Security (WPS) Agenda.

POLITICS 733 **15 Points**

Special Topic

POLITICS 737 **15 Points**

POLITICS 737A **7.5 Points**

POLITICS 737B **7.5 Points**

Directed Research

Supervised research on an approved topic or topics.

To complete this course students must enrol in POLITICS 737 A and B, or POLITICS 737

POLITICS 740 **15 Points**

Revolutions, Ideas and Media

Revolutions are politics writ large, moments when political reality and political aspirations collide and erupt in often epochal transformations. This course explores the idea, and the realities, of historical and modern revolutions as sources of insight into politics and societal change, with particular attention to the key role of 'the people', public opinion and the media.

POLITICS 741 **15 Points**

Ethics and Health Policy

Considers the intersection between theory, policy, and problems in health. Topics include: defining health and its value; the role of government and markets in providing health care; allocating resources in a government health system; justice, inequalities, and health; coercion to control the spread of disease, whether caused by pathogens (e.g., pandemic influenza) or lifestyle.

POLITICS 750 **15 Points**

International Relations and Human Rights

An analysis of how governments adopt and implement human rights norms, negotiate human rights treaties with other governments, interact with United Nations human rights institutions, and set up courts to try human rights violations. Includes domestic politics as they bear on international human rights issues.

POLITICS 756 **15 Points**

New Zealand Government

An examination of the composition, functions and powers of New Zealand's political institutions under MMP. Analyses the extent to which factors such as political leadership, policy, electoral and parliamentary tactics, and relations between the major and minor parties contribute to a government's success.

POLITICS 757 **15 Points**

Comparative Public Policy

A comparative examination of policy actors, processes and outcomes. Engaging with a range of conceptual and methodological approaches, the course considers how we

might explain and understand cross-national similarities and differences in policy-making and policy outcomes. The course focuses on the relative importance of interests, institutions and ideas at the national level, as well as international contexts and actors that facilitate diffusion and transfer of policy across countries.

POLITICS 770 15 Points
Ethnic Conflict and Civil War

Students examine the comparative literature on civil war, mass killings and conflict prevention, and apply this scholarship to past and contemporary cases of violent conflict. In doing so, they learn to carry out two policy-relevant tasks: identify common causes of violence and assess which policies of prevention work best in different contexts.

POLITICS 774 30 Points
Politics-Policy Internship

Prerequisite: Programme Coordinator approval
Restriction: POLICY 737

POLITICS 775 30 Points
Special Topic

POLITICS 776 15 Points
Media and Politics in an Age of Globalisation

Explores the relationship between media and politics, domestically and internationally, within a changing global context. Students will critically engage with key theories in political communication scholarship, such as agenda-setting, priming, framing, silencing and informational effects within the new media dynamics, which includes multiple new media outlets (such as state and private media), platforms, technologies and faster delivery.

POLITICS 777 15 Points
Politics of Terrorism and Counterterrorism

Provides students with a critical understanding of terrorism and counter-terrorism politics, policy and practice in a globalised world. The course examines theories, causes, typologies and case studies of terrorism, as well as counterterrorism responses by states and the international community. It also engages with moral, ethical and political questions posed by the discursive battleground of terrorism and counterterrorism.

POLITICS 780 30 Points

POLITICS 780A 15 Points

POLITICS 780B 15 Points

Research Project - Level 9

To complete this course students must enrol in POLITICS 780 A and B, or POLITICS 780

POLITICS 789 45 Points

POLITICS 789A 22.5 Points

POLITICS 789B 22.5 Points

Dissertation in International Relations and Human Rights - Level 9

To complete this course students must enrol in POLITICS 789 A and B, or POLITICS 789

POLITICS 792 45 Points

POLITICS 792A 22.5 Points

POLITICS 792B 22.5 Points

Dissertation

To complete this course students must enrol in POLITICS 792 A and B, or POLITICS 792

POLITICS 793 60 Points

POLITICS 793A 30 Points

POLITICS 793B 30 Points

Dissertation - Level 9

To complete this course students must enrol in POLITICS 793 A and B, or POLITICS 793

POLITICS 794A 45 Points

POLITICS 794B 45 Points

Thesis - Level 9

To complete this course students must enrol in POLITICS 794 A and B

POLITICS 796A 60 Points

POLITICS 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in POLITICS 796 A and B

Professional Counselling

Postgraduate 700 Level Courses

PROFCOUN 700 15 Points

Counselling In Youth Mentoring

Theories and concepts of youth mentoring and positive youth development will be examined in relation to practice as youth counsellors. Students will engage in weekly psychoeducational group and one to one counselling sessions on campus with at-risk youth as part of a therapeutic mentoring programme. Lecture topics include counselling skills for youth, effective and ethical mentoring relationships, and risk assessment.

Prerequisite: Approval from the Course Director

Restriction: EDUC 747, SOC YOUTH 300

PROFCOUN 701A 7.5 Points

PROFCOUN 701B 7.5 Points

Counselling Laboratory

An intensive "laboratory" in which students work in small groups to develop skills and strategies for the facilitation of counselling processes. PROFCOUN 701 also provides a continuous opportunity for students to integrate theory with practice, and to develop confidence and effectiveness in their role as counsellors.

To complete this course students must enrol in PROFCOUN 701 A and B

PROFCOUN 702 15 Points

Special Topic

PROFCOUN 703 15 Points

Special Study

PROFCOUN 705A 15 Points

PROFCOUN 705B 15 Points

The Counselling Process

An advanced examination of principles of counselling together with their application in the counselling process.

Corequisite: PROFCOUN 701

Restriction: EDPROFST 746

To complete this course students must enrol in PROFCOUN 705 A and B

PROFCOUN 706 15 Points

Cultural Issues in Counselling

A critical examination of cultural dimensions present in counselling activities.

Restriction: EDPROFST 748

PROFCOUN 707 15 Points**Specialist Counselling Skills and Approaches**

An advanced examination of the specialist counselling skills and knowledge required to work effectively with clients from a wide range of contexts and experiences. Topics may include working with sexual abuse, family violence, trauma, anxiety, depression, self-harm, suicidality, and loss and grief. The course will focus on the integration of theory, research and practice, and the development of working models to facilitate effective counselling.

PROFCOUN 708 15 Points**Professional Issues in Counselling**

An examination of significant professional issues in counselling, including supervision, ethics and accountability, and role development.

Restriction: EDPROFST 749

PROFCOUN 711 15 Points**PROFCOUN 711A 7.5 Points****PROFCOUN 711B 7.5 Points****Counselling Practicum**

A counselling practicum course that develops the capacity for reflective practice in relation to theory, ethics, in the context of Aotearoa.

Corequisite: PROFCOUN 701, 705

To complete this course students must enrol in PROFCOUN 711 A and B, or PROFCOUN 711

PROFCOUN 730 30 Points**PROFCOUN 730A 15 Points****PROFCOUN 730B 15 Points****Advanced Counselling Practicum - Level 9**

An advanced counselling practicum incorporating critical awareness of issues and analysis of counselling practice in relation to theory, ethics, and the context of Aotearoa. Mastery of counselling practice to an advanced level will be achieved through independent application and development of knowledge and skills within professional practice settings.

Restriction: PROFCOUN 797, 798

To complete this course students must enrol in PROFCOUN 730 A and B, or PROFCOUN 730

PROFCOUN 732 30 Points**PROFCOUN 732A 15 Points****PROFCOUN 732B 15 Points****Professional Counselling Capstone Project - Level 9**

A supervised capstone project incorporating highly specialised knowledge at the forefront of counselling, including critical awareness and reflexivity on the nature of professional counselling in the context of Aotearoa. Mastery of practitioner reflexivity to an advanced level will be achieved through independent application and development of knowledge and skills within personal and professional settings.

To complete this course students must enrol in PROFCOUN 732 A and B, or PROFCOUN 732

PROFCOUN 795A 45 Points**PROFCOUN 795B 45 Points****Research Portfolio - Level 9**

Prerequisite: EDPROFST 750 or PROFCOUN 709 or SOCWORK 718

Restriction: PROFCOUN 797, 798

To complete this course students must enrol in PROFCOUN 795 A and B

PROFCOUN 796A 45 Points**PROFCOUN 796B 45 Points****Thesis - Level 9**

Prerequisite: EDPROFST 750 or PROFCOUN 709 or SOCWORK 718

Restriction: PROFCOUN 797, 798

To complete this course students must enrol in PROFCOUN 796 A and B

Professional Supervision

Postgraduate 700 Level Courses**PROFSUPV 700 30 Points****The Practice of Professional Supervision**

A critical examination of the concept, role, purpose and benefits of supervision in a wide range of professions. Supervision and its ethical mandates within professional and organisational contexts in health, counselling and human services will be examined. The knowledge and skills required to offer supervision in professional contexts will be explored in depth, recognising Indigenous and non-Indigenous knowledges that inform practice.

PROFSUPV 701 30 Points**Advanced Approaches in Professional Supervision - Level 9**

Builds on prior critical knowledge of a range of theoretical and practical approaches to professional supervision to establish advanced understanding and practice. A critical examination of Western and Indigenous models of supervision for health, counselling and human service contexts, which will include the development of anti-oppressive supervision practice and an integration of advanced knowledge, skills and values of supervision.

Prerequisite: PROFSUPV 700

PROFSUPV 707 30 Points**Supervision Folio**

A supervised portfolio with a focus on an in-depth critical reflection on current practice in professional supervision, learning and development in human services and health contexts.

Prerequisite: PROFSUPV 700, 701

PROFSUPV 710 30 Points**Stress and Trauma in Health and Human Services**

Explores the complex dimensions of stress and trauma encountered by health and human services workers. The historical, cultural and conceptual basis for an understanding of the impact of stress and trauma on both clients and workers is considered. Critically explores research-led strategies to address personal, professional and organisational responses to stressful environments.

Prerequisite: PROFSUPV 700

PROFSUPV 712 30 Points**Critical Approaches in Reflective Supervision**

Critical exploration of contemporary theories and practice frameworks for reflective supervision in health, counselling and human services. An examination of strategies for ongoing professional development, including reflective practice, critical reflection, communities of practice, and learning organisations. Different modes of supervision (such as peer supervision and interprofessional supervision) will be examined along with creative action methods of supervision engagement.

Prerequisite: PROFSUPV 700

PROFSUPV 714 30 Points**Managing and Developing People in Human Services**

A critical examination of strategies for effective management and development of professional staff in the health and human services. Includes critical reflection on effective management processes; indigenous management frameworks; recruitment and selection; supervision and performance planning; coaching and mentoring; training and development; unsatisfactory performance; and building resilience and staff care strategies.

Prerequisite: PROFSUPV 700

Restriction: PROFSUPV 706

PROFSUPV 715 30 Points**Practice Teaching and Learning**

Explores the teaching and learning strategies required in the provision of high quality field education in social services and health settings. Critically examines theoretical and evidence informed pedagogies for student practice learning.

PROFSUPV 716 30 Points**Group Supervision**

Critically explores the benefits and challenges of group supervision. The parameters and value of group supervision are identified and promoted for practice within the current context of health and social services. Specific models of group supervision are developed to support critical reflection managing boundaries, tasks, roles, structure and the creation of a positive group learning.

Prerequisite: PROFSUPV 700

PROFSUPV 717 15 Points**Special Study****PROFSUPV 718 30 Points****Special Topic****PROFSUPV 720 30 Points****Professional Supervision Capstone Project - Level 9**

A supervised capstone project, in which students critically apply advanced knowledge of professional supervision practice and scholarship to explore, develop, and/or refine cultural models/innovations of supervision within their own profession or setting.

Prerequisite: PROFSUPV 700, 701

PROFSUPV 793 60 Points**PROFSUPV 793A 30 Points****PROFSUPV 793B 30 Points****Dissertation - Level 9**

To complete this course students must enrol in PROFSUPV 793 A and B, or PROFSUPV 793

PROFSUPV 794A 30 Points**PROFSUPV 794B 60 Points****Thesis - Level 9**

To complete this course students must enrol in PROFSUPV 794 A and B

Public Policy

Postgraduate 700 Level Courses**POLICY 700 15 Points****Special Topic: Statistics and Data Analysis**

Restriction: POLICY 742, 769, POLITICS 769

POLICY 701 15 Points**Policy Analysis and Evaluation**

Provides a solid practical and theoretical basis for public

policy analysis. Examines criteria for effective policy-making as well as competing models of the policy process. Concepts and approaches covered include: problem definition, writing policy briefs, project implementation, reflexive policy-making, cost-benefit and impact analysis. Students will use these concepts and methods to explore substantive topics of their choice.

Restriction: POLITICS 748

POLICY 702 15 Points**Economics of Policy**

Applies economic reasoning to current problems in policy and government. Covers fundamentals of market economy, competition policy, welfare and taxation, market failure, problems of collective choice, growth and development, the structure of the macroeconomic system, and the role of public finance agencies in the management of the economy.

Restriction: POLICY 743

POLICY 737 15 Points**Applied Policy Project**

Supervised project on an applied policy topic agreed between the student and a nominated supervisor. Students will produce a project proposal, progress report, dissemination plan, final report, and reflective comments.

Prerequisite: POLICY 701 or 769

Restriction: POLITICS 737, 774

POLICY 740 30 Points**Policy Design, Analysis and Implementation**

Provides a critical overview of the policy process including problem definition, co-design as well as focusing on a range of theoretical and methodological approaches to policy analysis, including cost-benefit analysis, regulatory impact analysis and gender and diversity impact assessments.

Restriction: POLICY 701

POLICY 741 30 Points**Government and Policy: New Zealand Compared**

Examines New Zealand's machinery of government at both central and local level. Analyses the relative impact of institutions, interests and ideas on public policy outcomes in New Zealand and internationally. Applies these understandings to the methods and processes associated with policy transfer and lesson drawing cross-nationally.

Restriction: POLITICS 756, 757

POLICY 742 30 Points**Statistics and Data Analysis for Policy**

Provides the fundamentals of statistical analysis and examines the use of different types of data used in evidence-based policy making, as well as the issues associated with the advent, use and governance of big data. Covers research design choices and quantitative methods for policy analysis.

Restriction: POLICY 769, POLITICS 769

POLICY 743 30 Points**Economics, Budgets and Bureaucrats**

Applies key concepts and tools of economic analysis to contemporary policy problems. Focuses on the allocation of the economy's resources, the budget process and the role of public finance agencies, rationales for government intervention in a market economy, and the impact of expenditure and taxation on the economy and citizens' wellbeing.

Restriction: POLICY 702

POLICY 744 15 Points**Policy in Practice**

Provides a practical opportunity for participants to work with a policy agency in an advisory capacity to develop evidence-informed recommendations addressing a complex policy problem. Engages students in a team-based exercise that applies the knowledge and skills gained from completing the core courses in a way that informs “real world” policy decisions.

Prerequisite: POLICY 740-743

Restriction: POLICY 737, POLITICS 774

POLICY 790 30 Points**POLICY 790A** 15 Points**POLICY 790B** 15 Points**Research Project - Level 9**

To complete this course students must enrol in POLICY 790 A and B, or POLICY 790

POLICY 792 45 Points**POLICY 792A** 22.5 Points**POLICY 792B** 22.5 Points**Dissertation - Level 9**

Develops students' ability to design and undertake a policy-related research project under supervision and to present a written report of 15,000 words.

Prerequisite: POLICY 742

Restriction: POLICY 793

To complete this course students must enrol in POLICY 792 A and B, or POLICY 792

POLICY 793 45 Points**POLICY 793A** 15 Points**POLICY 793B** 30 Points**Dissertation - Level 9**

Prerequisite: POLICY 742

Restriction: POLICY 792

To complete this course students must enrol in POLICY 793 A and B, or POLICY 793

POLICY 794A 45 Points**POLICY 794B** 45 Points**Thesis - Level 9**

To complete this course students must enrol in POLICY 794 A and B

Regional Development

Postgraduate 700 Level Courses**REGDEV 702** 15 Points**Regional Regeneration and Wellbeing**

Examines how education provides a basis for rethinking regional development, community wellbeing and sustainability in an increasingly globalised world. The course explores the significance to community regeneration of indigenous and local knowledge, via mātauranga Māori, place-based learning, public pedagogy and the promotion of educational pathways, as well as how these traverse and intersect the local and the global.

Russian

Stage I**RUSSIAN 100** 15 Points**RUSSIAN 100G** 15 Points**Beginners' Russian 1**

A beginner's course using multi-media (computer) materials that presumes no prior knowledge of Russian, with emphasis on a range of language skills – listening comprehension, speaking, reading, writing, and the essential grammar of Russian.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

RUSSIAN 101 15 Points**Beginners' Russian 2**

A continuation of RUSSIAN 100. More practice with written and spoken Russian, fundamental grammar, and authentic texts.

Prerequisite: RUSSIAN 100 or approval of Academic Head or nominee

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Stage II**RUSSIAN 200** 15 Points**Intermediate Russian 1**

A revision of the grammar covered at Stage I, with more vocabulary building, reading of authentic journalistic and literary texts, and practise of listening and speaking.

Prerequisite: RUSSIAN 101 or approval of Academic Head or nominee

Restriction: RUSSIAN 210. May not be taken if a more advanced language acquisition course in this subject has previously been passed

RUSSIAN 201 15 Points**Intermediate Russian 2**

Builds on skills obtained in RUSSIAN 200 with special emphasis on practical work, spoken Russian and development of aural-oral skills.

Prerequisite: RUSSIAN 200 or approval of Academic Head or nominee

Restriction: RUSSIAN 210. May not be taken if a more advanced language acquisition course in this subject has previously been passed

RUSSIAN 277 15 Points**Russian Study Abroad 2A**

Course taken at an approved academic institution abroad. *Prerequisite:* Approval of Academic Head or nominee

RUSSIAN 278 15 Points**Russian Study Abroad 2B**

Course taken at an approved academic institution abroad. *Prerequisite:* RUSSIAN 277 and approval of Academic Head or nominee

Samoan

Stage I**SAMOAN 101** 15 Points**SAMOAN 101G** 15 Points**Samoan Language 1**

Gives students an introduction to the structure of Samoan as well as allowing them to develop basic language skills in listening, speaking, reading and writing. Designed for

students with little or no knowledge of the language, and for those with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Stage II

SAMOAN 201 15 Points Samoan Language 2

Extension of SAMOAN 101 in which more complex sentences will be studied through exposure to reading material and spoken texts such as conversations, speeches, letters, articles, songs and poems.

Prerequisite: SAMOAN 101

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

SAMOAN 203 15 Points Special Topic: Samoan Studies

Sāmoan studies targets native, fluent and heritage speakers to help with the development of the academic aspects of the Sāmoan language and culture. Learners will enhance and apply their indigenous view(s) through spoken and written Sāmoan language, as well as implementing and exploring customs and protocols in Aotearoa New Zealand.

Prerequisite: SAMOAN 101 or equivalent language level as determined by the Academic Head or Nomine

Stage III

SAMOAN 301 15 Points Samoan Language 3

Conversations and speeches will be studied and practised. The contexts and relationships between ordinary and respectful language levels or honorifics of fa'asamoa protocols will be examined.

Prerequisite: SAMOAN 201

SAMOAN 303 15 Points Special Topic

Screen Production

Postgraduate 700 Level Courses

SCREEN 700 30 Points Screenwriting Project

Considers the short film script with a focus on the practice and principles of dramatic screenwriting, including industry format and narrative structure. By developing a script for a 5-8 minute film in stages, students will practice creative writing, script development, and pitching while also learning skills related to production management, proposal writing, and preparing and scheduling a low-budget production.

Restriction: SCREEN 702, 705

SCREEN 701 30 Points Introduction to Directing

Provides students with a practical overview of the drama and documentary production process from a director's point of view. Students are taken through pre-production, production and post-production on a series of group projects, as well as their own 2-minute short film. Emphasises the importance of directing style, character and story alongside acquiring practical skills. Students are encouraged to critique their own work as well as the work of their classmates.

SCREEN 709 15 Points Directed Study

SCREEN 710 15 Points Special Topic

SCREEN 711 15 Points Special Topic

SCREEN 712 30 Points Advanced Drama Directing

Focuses on the directing of actors for screen, and the relationship between this and blocking for camera. Students direct in front of the class and create a short piece of work as a group using improvisation. Students first focus on directing and presenting a 10-minute excerpt from a play and then direct and edit an original dramatic short film of 8-10 minutes. Crewing on fellow students' projects is a compulsory requirement.

Prerequisite: SCREEN 701

SCREEN 713 30 Points Advanced Documentary Directing

Students complete a major treatment/script, an interview exercise, an editing exercise, and a completed documentary of 10-12 minutes. For the latter project, the course convener functions like an executive producer, overseeing and critiquing the documentaries as they progress. Emphasis is placed on aesthetic and formal approaches to the documentary and the class will draw extensively on documentary history.

Restriction: COMMS 713

SCREEN 714 30 Points Screenplay Writing and Development

A practical course in which students work on original features and analyse the work of writers. Students develop a better sense of structure, plot, characters, dialogue, genre and understand the dynamics of constructive feedback and rewriting, known in the screen industry as the 'development process.' Combines lectures and workshops and builds upon SCREEN 700.

Prerequisite: SCREEN 700 or 705 or approval of Programme Director

SCREEN 715 30 Points Directed Study

Directed research on a selected topic.

SCREEN 780 30 Points Research Project - Level 9

SCREEN 792 60 Points Dissertation - Level 9

SCREEN 797A 60 Points

SCREEN 797B 60 Points

Production Project - Level 9

The production of a substantial project in which the student specialises as director, writer, or producer completing either a documentary (approximately 30 minutes), a short dramatic film (approximately 10-15 minutes) or a feature length screenplay (80-110 pages). Students are required to attend a seminar series conducted by academic staff and industry practitioners in Semester One. Crewing on fellow students' projects is also required.

Prerequisite: Approval of Academic Head or nominee

To complete this course students must enrol in SCREEN 797 A and B

Social and Community Leadership

Postgraduate 700 Level Courses

SOCCLEAD 700 15 Points
Leadership: Ethics and Actions

Effective social and community leadership requires a strong and critical ethical foundation. Topics include the professional identity and values of social and community sector leadership, social justice, ethical and authentic leadership, and human systems thinking. Leadership that honours the Treaty of Waitangi, diversity, and equity, and actions based on those values, will be explored.

SOCCLEAD 701 15 Points
Leading Social Innovation

Evolving approaches to innovating social change will be examined. Topics include theories and change models of social innovation, venture creation, programme design and social enterprise development. Case study analysis will examine contemporary debates on and approaches to evidence-based programming, collaboration and co-design, social impact measurement, ethical social profit ventures, scaling impact and creating sustainable social change.

SOCCLEAD 702 15 Points
Special Topic

SOCCLEAD 703 30 Points
Leadership, Ethics, Systems

Effective social and community leadership requires a critical ethical and analytic foundation. Themes examined include ethical leadership values aligned to social justice, in combination with the capacity for analysis of complex social issues, systems, and change processes. Leadership that honours the Treaty of Waitangi, diversity, and equity, and formulates actions based on these values will be explored.
Restriction: SOCCEAD 700

SOCCLEAD 704 30 Points
Special Study

SOCCLEAD 706 30 Points
Innovation, Design, Evaluation

Evolving approaches to innovating social change and evaluation practice are examined. Topics include contemporary debates on, and approaches to, co-design, collaboration, ethical social innovation, evidence-informed programme design, evaluation models and impact measurement. Using experiential learning, groups of students will be guided through a social innovation design process in response to user needs, and develop robust evaluation proposals.
Restriction: EDUC 726, SOCCEAD 701

SOCCLEAD 707 30 Points
Programme Evaluation - Level 9

Advanced topics and approaches to programme evaluation. The course will examine high level evaluation specifications, plans and reports to identify methods and options for critical evaluation serving the specialised needs of programme managers, sponsors and publics. Through the lens of real-world issues, politics of innovation and change will be considered in preparing an independent programme evaluation.

SOCCLEAD 708 30 Points
Enacting Social Change - Level 9

Builds on critical knowledge of a range of theoretical and

practice approaches to leadership, systems thinking, social innovation and evaluation. Establishes advanced practice understandings of either personal leadership or organisational contexts through an independent structured reflective inquiry grounded in theory.
Corequisite: SOCCEAD 703 or 706

SOCCLEAD 794A 30 Points

SOCCLEAD 794B 60 Points

Thesis - Level 9

To complete this course students must enrol in SOCCEAD 794 A and B

SOCCLEAD 795A 60 Points

SOCCLEAD 795B 30 Points

Thesis - Level 9

Restriction: SOCCEAD 794

To complete this course students must enrol in SOCCEAD 795 A and B

Social Justice

Stage I

SOCJUS 101 15 Points

Social Justice in Aotearoa

Explores concepts and theories of social justice from a range of knowledge systems and disciplinary perspectives. Examines histories of social (in)justice, power and privilege in Aotearoa in relation to Te Tiriti o Waitangi. Attention is given to core social justice issues associated with intersecting social, political and economic inequities.

SOCJUS 102 15 Points

Ko Wai Au; Ko Wai Tātou?

Engages students in reflecting on where they stand in their communities and what they can do to foster the well-being of those communities. Develops communication and collaboration skills to identify opportunities for engagement with and change within those communities.
Prerequisite: SOCJUS 101

SOCJUS 103 15 Points

Rethinking Oceania Connections

Explores the dynamics between Aotearoa and Pacific communities. Drawing inspiration from relational Pacific values of mutual respect and reciprocity, considers social transformation strategies rooted in community ties. Weaves cultural, historical, and modern-day perspectives, empowering students to consider and champion change guided by the unique relationships and traditions of Aotearoa and Pacific communities.

Stage II

SOCJUS 201 15 Points

Social Justice Movements

Starting with He Whakaputanga and Te Tiriti o Waitangi, explores the conceptual grounding, histories and implications of social justice movements in Aotearoa, Te Moana-nui-ā-Kiwa (the Pacific) and beyond in the context of histories of social (in)justice, power and privilege. Develops critical, digital and academic literacies in a chosen research project that addresses a particular social justice movement.
Prerequisite: SOCJUS 101, 102

SOCJUS 202 15 Points

Tools for Change

Examines the applications of strategies and tools used

for social transformation in Aotearoa and Te Moana nui and beyond. Considers how these can be applied in students' own communities and relationships. Identifies opportunities for agency and shared leadership for change in their communities.

Prerequisite: SOCJUS 201

SOCJUS 211 15 Points

Engaging with Communities

Introduction to the dynamics of social change and power, with an emphasis on praxis - action informed by theory. Fosters understanding of the protocols surrounding engagement, consultation, and partnership in Aotearoa. Develops skills to be agents of change including facilitating, organising, and motivating community members, mobilising resources, developing a shared social analysis, and building alliances for social change.

Prerequisite: SOCJUS 101, 102

SOCJUS 221 15 Points

Generations and Justice

An examination of Aotearoa's pressing issues through an intergenerational lens (e.g., poverty, family violence, climate change, and educational disparities). Explores rights in several areas (e.g., environmental, cultural, identity, sexual, linguistic, disability, ageing, child/youth rights). Anchored in Māori principles of manaakitanga (care) and kaitiakitanga (guardianship), takes a holistic, long-term view, emphasising rights and responsibilities to work towards just and sustainable futures.

Prerequisite: SOCJUS 101, 102

Stage III

SOCJUS 301 15 Points

Structural (In)Justice

How does structural (in)justice occur across social institutions? Explores the dynamics of social structures and agency in Aotearoa, Te Moana-nui-ā-Kiwa and beyond to understand how power operates in societies and can be mobilised for social change. Develops critical, digital and academic literacies to 'scope' a social change project in a specific community or organisation.

Prerequisite: SOCJUS 201, 202

SOCJUS 311 15 Points

Change-Making in Communities

A service-learning experience that develops specialist knowledge and skills. With supervision, the focus is on learning to apply reflective, culturally responsive and sustaining practices that are of direct benefit to others. Professional and ethical relationship management, effective communication skills, critical reflection and evidence-based decision-making will be emphasised. Placement in a variety of community settings represents a structured opportunity to put theory into action.

Prerequisite: SOCJUS 211

SOCJUS 331 15 Points

Just Global Futures

Identifies and interrogates the potential of emerging new approaches to achieving global justice, through reparative solutions, deliberative democracy, grassroots solidarity movements and alternative economies. Challenges students to think critically about the future of global justice and provides them with knowledge and skills needed to advocate for and implement transformative policies and

practices that maximise the well-being of peoples and planet.

Prerequisite: SOCIOL 210

SOCJUS 399 15 Points

Capstone: Design for Change

Draws on the perspectives, knowledge and skills developed throughout the degree to design an independent and/or collaborative project in engagement with their communities. Connections are made between academic learning and 'real world' situations.

Prerequisite: SOCJUS 301

Social Work

Stage I

SOCWORK 100 30 Points

SOCWORK 100A 15 Points

SOCWORK 100B 15 Points

Ko Wai Au, Ko Wai Koe, Ko Wai Tātou?

Introduces historical and socio-political contexts, beginning with te ao Māori, tikanga Māori, and te Tiriti o Waitangi, that underpin analysis of a range of identities, diversities, aspirations, oppressions and cultures in contemporary Aotearoa. Fosters understanding of how one's cultural location and intersectional experiences can shape values and attitudes, including bias and prejudice, and the impact of 'self' on professional practice.

Restriction: EDPROFM 100, SOCWORK 113

To complete this course students must enrol in SOCWORK 100 A and B, or SOCWORK 100

SOCWORK 101 30 Points

SOCWORK 101A 15 Points

SOCWORK 101B 15 Points

Social Work and Social Justice

The Treaty of Waitangi underpins social work practice in Aotearoa. Social justice and human rights are critically considered alongside an examination of historical and contextual contributors to the development of social work. An introduction to the profession and practice of social work is provided. Relationship building and communication skills are taught within a growing awareness of self.

Restriction: SOCWORK 111, 112, 115

To complete this course students must enrol in SOCWORK 101 A and B, or SOCWORK 101

SOCWORK 102 30 Points

SOCWORK 102A 15 Points

SOCWORK 102B 15 Points

He Tangata: People in Context

Te ao Māori, ecological systems, psychological and lifespan development theories and frameworks are conceptual pillars for introducing human behaviour and experiences across the life course and the complex relationships between individuals and their social environments. Multi-dimensional aspects of human experience, identity and change are explored from a culturally conscientious, equity-oriented perspective.

Restriction: HUMSERV 101, 102

To complete this course students must enrol in SOCWORK 102 A and B, or SOCWORK 102

SOCWORK 111 15 Points

Professional Communication Skills

An introduction into effective personal and professional communication in human services. An experiential and

collaborative approach will be used to assist students to explore the place of self in the communication process, to understand the stages, purpose and task of the communication process, and to develop effective interaction.

SOCWORK 180 **15 Points**
Special Study

Prerequisite: Programme Director approval, and EDPROFM 100 or SOCWORK 113

SOCWORK 181 **15 Points**
Special Study

Prerequisite: Programme Director approval

SOCWORK 182 **15 Points**
Special Study

Prerequisite: Programme Director approval

SOCWORK 183 **15 Points**
Special Study

Prerequisite: Programme Director approval, and HUMSERV 101 or 102

Stage II

SOCWORK 200 **30 Points**

SOCWORK 200A **15 Points**

SOCWORK 200B **15 Points**

Ngā Pou for Mana-enhancing Practice

Engages students in developing a framework for social work practice that supports individual, whānau and community aspirations to ora/wellbeing and enhances individual and collective mana. Focusing centrally on whānau-family-aiga systems, and emphasising critical intersectional analyses of the inequitable impact of socio-structural factors on whānau and communities, it builds core social work knowledge and skills applicable across diverse settings and groups.

Prerequisite: SOCWORK 101 and 102, or 111 and 115, or 181 or 182
Restriction: SOCCHFAM 215, SOCHLTH 231

To complete this course students must enrol in SOCWORK 200 A and B, or SOCWORK 200

SOCWORK 201 **30 Points**

SOCWORK 201A **15 Points**

SOCWORK 201B **15 Points**

Culturally Responsive Practice

An introduction to the study of the personal and professional impact of te Tiriti o Waitangi in social work practice and social workers' obligations to bicultural and, more broadly, culturally responsive practice with Māori, Pasifika and other diverse communities. Development of critical understandings of cultural responsiveness and opportunities for experiential learning in community settings.

Prerequisite: SOCWORK 100 and 101, or 30 points from EDPROFM 100, SOCWORK 112, 113, 180

Prerequisite: SOCWORK 100 and 101, or 45 points from EDPROFM 100, SOCWORK 112, 113, 180

Restriction: SOCWORK 212

To complete this course students must enrol in SOCWORK 201 A and B, or SOCWORK 201

SOCWORK 202 **30 Points**

SOCWORK 202A **15 Points**

SOCWORK 202B **15 Points**

Law, Policy and Social Action

A critical exploration of the legislative and policy contexts for social work practice in Aotearoa, including the

contradictions inherent between te Tiriti o Waitangi and settler capitalism, and tino rangatiratanga and the colonial doctrine of sovereignty. Exploration of social work ethics, and the challenging processes involved in working for change.

Prerequisite: SOCWORK 101 or 112

Restriction: SOCWORK 211, 216

To complete this course students must enrol in SOCWORK 202 A and B, or SOCWORK 202

SOCWORK 221 **30 Points**

SOCWORK 221A **15 Points**

SOCWORK 221B **15 Points**

Social Work Theories and Skills

An exploration of theories, models and skills for bicultural social work practice with individuals and whānau in a range of settings and cultural contexts. Informed by the ANZASW Code of Ethics and the SWRB Core Competence Standards, content includes critical engagement with current literature and research guiding assessment and intervention, active skill building, and exploration of personal and professional values.

Prerequisite: SOCWORK 100-102, or 111, 112 and 115

Restriction: SOCWORK 213, 214

To complete this course students must enrol in SOCWORK 221 A and B, or SOCWORK 221

SOCWORK 280 **15 Points**

Special Study

Prerequisite: Head of Programme approval

SOCWORK 281 **15 Points**

Special Study

Prerequisite: Programme Director approval, and SOCCHFAM 215 or SOCHLTH 231

SOCWORK 282 **15 Points**

Special Study

Prerequisite: Programme Director approval

SOCWORK 283 **15 Points**

Special Study

Prerequisite: Programme Director approval, and SOCWORK 211 or 216

Stage III

SOCWORK 310 **15 Points**

Special Topic

SOCWORK 311 **15 Points**

Social Work Process and Practice

Students are required to integrate a defined range of approaches to practice comprising work with individuals, families and small groups. Knowledge, skills, values and ethics associated with direct practice will be extended. Students will apply the social work process of reflection and use of self in preparation for becoming a mindfully reflexive practitioner.

Prerequisite: SOCWORK 214 or 221 or 280

SOCWORK 312 **15 Points**

Applied Social Research

Social workers are reclaiming the research agenda in social work. Sound social work practice relies on evidence to inform theoretical frameworks, intervention decisions and practice evaluation. A practical introduction to the principles, theories and approaches that inform social research, with a particular emphasis on social work contexts.

SOCWORK 315 15 Points**Organisations and Management**

Examines the variety of organisational frameworks from which human services are practised and the impact of these contexts on professional identity and practice in the workplace. Contemporary management approaches will be examined with reference to theory and roles and responsibilities assumed by human service managers in a complex and dynamic environment.

Prerequisite: SOCWORK 202 or 30 points from SOCWORK 211, 216, 283

SOCWORK 317 30 Points**Supervised Field Practice and Professional Development 1**

A practicum course which focuses on developing a professional identity and a philosophy of practice that is shaped by integrating personal experience and professional knowledge, values and skills gained from the first two years of the Bachelor of Social Work programme. A significant part of this course includes a period of 12 weeks supervised agency-based practical experience for which the student will be prepared through developing individual learning goals.

Prerequisite: EDUCSW199, and SOCWORK 200-202, or 212, 213 and 214

SOCWORK 383 15 Points**Special Topic****Stage IV****SOCWORK 401 15 Points****Statutory Social Work**

An examination of social work practice in statutory settings and theoretical and research-informed intervention frameworks applicable across a range of fields of service. These include family violence, child welfare, youth justice, prisons, and working with vulnerable adults. Critical investigation of questions of context, relationships, power, ethics, human rights and social justice in authoritative settings will be undertaken.

Prerequisite: SOCCHFAM 332 or 314, SOCWORK 317

Restriction: SOCWORK 701

SOCWORK 411 15 Points**Social Work Interventions for Best Practice**

An in-depth examination of contemporary issues in social work practice, focusing on evidence-based practice and intervention skills that have direct application to complex practice situations.

Prerequisite: SOCWORK 311, 317

Restriction: SOCWORK 711, 712

SOCWORK 413 15 Points**The Social Work Discourse**

The application of sociological analysis to consideration of the role and characteristics of social work practice. An exploration of the professional discourse is framed and how major social trends impact on that discourse in practice and the public domain.

Restriction: SOCWORK 713

SOCWORK 416 45 Points**Professional Practice Project**

A student directed project intended to develop a field of proficiency applicable to current or future professional interests. The project will involve research investigation, critical reflection and analysis, evaluation, and the preparation of resources or development of new practice.

On completion students will showcase their project in a verbal presentation.

SOCWORK 426 15 Points**Practice with Communities**

An introduction to change-oriented social work practice with communities, with particular emphasis on diverse and indigenous communities and critical analysis of current and historical factors shaping community well-being. Building their own theories of change, students learn models and skills for integrating partnerships with communities into their practice, including engagement, capacity building, community development, organising, activism, and policy advocacy.

Prerequisite: Any 60 points passed at Stage III

Restriction: SOCWORK 356, 726

SOCWORK 427 45 Points**Field Education 2**

An advanced, supervised, field education placement of a minimum of 480 hours (60 days) in a social service setting, requiring students to integrate critical reflection, professional supervision and ethical practice with the knowledge, skills and practice experience of the social work profession.

Prerequisite: SOCWORK 317, 411, SOCHLTH 313, 334, SOCCHFAM 332

Restriction: SOCWORK 415, 715, 727

SOCWORK 484 15 Points**Special Topic****Postgraduate 700 Level Courses****SOCWORK 700 30 Points****Clinical Social Work**

Examines the area of clinical social work practice within the Aotearoa New Zealand context. Content will include a range of theoretical approaches to clinical practice. Theories will include Cognitive Behavioural theory, Narrative theory and Solution-Focused methods. There will be a strong focus on the use of clinical theories when working with Tangata whenua or when working across cultures. Individual, whānau/family, and group work methods will be explored.

SOCWORK 701 15 Points**Statutory Social Work**

An advanced examination of social work practice in statutory settings and theoretical and research-informed intervention frameworks applicable across a range of fields of service. These include family violence, child welfare, youth justice, prisons, and working with vulnerable adults. Critical investigation of questions of context, relationships, power, ethics, human rights and social justice in authoritative settings will be undertaken.

Prerequisite: SOCCHFAM 332 or 314, SOCWORK 317

Restriction: SOCWORK 401

SOCWORK 702 30 Points**Social Work with Older People**

Critically explores advanced research, theories and practice of social work with older people from an ecological systems perspective. Content will examine opportunities and challenges presented as people live longer and develop the contributions of social work and social policy to positive aging strategies. Consideration will be given to the bicultural and diverse contexts of practice in Aotearoa New Zealand.

SOCWORK 711 15 Points**Social Work Interventions for Best Practice**

An in-depth examination of contemporary developments in social work practice, with an emphasis on the employment of evidence-informed interventions that have direct application to complex practice situations.

Prerequisite: SOCWORK 311, 317

Restriction: SOCWORK 411, 712

SOCWORK 712 15 Points**Social Work in Statutory Settings**

An advanced examination of fields of practice in statutory social work. Will include areas such as family violence, child welfare, disability, health, mental health, and working with vulnerable adults. A critical investigation of context, relationships, power, ethics, interventions and best practice in these settings will be undertaken.

Prerequisite: SOCWORK 721, 722, 723, 724 and 725

Restriction: SOCWORK 411, 711

SOCWORK 713 15 Points**The Social Work Discourse**

A critical analysis of contemporary social work practice, utilising sociological perspectives and contemporary social theory. An in-depth exploration of how the professional discourse of social work is framed and how major social trends impact on that discourse in practice and the public domain.

Restriction: SOCWORK 413

SOCWORK 718 30 Points**Applied Research in Social Services**

Examines the role of applied research within professional practice. An in-depth examination of research methods, traditions and techniques particularly used in analysing, evaluating and auditing social service programmes and practices. Aims to enhance and develop the knowledge and understanding of students with regard to the nature and application of a broad range of research methods, the role of theory, ethics and politics in research and in developing a research proposal.

SOCWORK 719 30 Points**Special Study****SOCWORK 721A 15 Points****SOCWORK 721B 15 Points****Theories and Skills in Social Work Practice**

An in-depth examination of theoretical perspectives, skills and approaches in social work practice related to interpersonal work with individuals, families and groups living through challenging situations. Content will include a critical engagement with contemporary literature and the examination of evidence-informed interventions and critically reflective strategies that help guide professional practice in collaborative and safe environments.

To complete this course students must enrol in SOCWORK 721 A and B

SOCWORK 722 30 Points**Developing Social Work Professional Identity**

Examines contemporary and historical social work cultural identity, language and discourse as a global profession. Socialisation to the profession and its values is explored through a defined range of practice fields, premised on a human rights and social justice framework. Systemic models of practice are reviewed. Inter-professional practice, professional ethics, anti-oppressive and bicultural practice and registration are analysed in the New Zealand setting.

SOCWORK 723 15 Points**Social Work in the New Zealand Context**

Examines the history, policy, law, social patterns, trends and issues that contribute to the working environment for bicultural social work practice in Aotearoa New Zealand. Content will encourage an understanding of the organisational, statutory and community context of social services, professional practice and the reflective social worker operating in settings that can be examined, challenged and changed.

SOCWORK 724 15 Points**Applied Social Work Research Methods - Level 9**

Consolidates critical awareness of the role of research and knowledge in a specialised field of social work practice, leading to the development of an independent research proposal. Integrates advanced knowledge and critical reflection in understanding the nature and application of a range of applied research methods and traditions and links to social work practice.

SOCWORK 725 30 Points**Supervised Field Placement I**

A first practicum course which focuses on developing a professional identity and a philosophy of practice that is shaped by integrating personal experience and professional knowledge, values and skills. A significant part of this course includes a period of a minimum of 50 days of supervised agency-based practical experience for which the student will be prepared through developing individual learning goals.

Prerequisite: SOCWORK 722, 723

Corequisite: SOCWORK 721, 724

SOCWORK 726 15 Points**Practice with Communities**

An advanced consideration of change-oriented social work practice with communities, with particular emphasis on diverse and indigenous communities and critical analysis of current and historical factors shaping community well-being. Building their own theories of change, students learn models and skills for integrating partnerships with communities into their practice, including engagement, capacity building, community development, organising, activism, research and policy advocacy.

Prerequisite: 60 points passed at Stage III

Restriction: SOCWORK 356, 426

SOCWORK 727 45 Points**Advanced Field Education**

An advanced practicum course that includes a minimum of 480 hours (60 days) of supervised agency-based practical experience, building on the knowledge and skills gained in the first practicum and subsequent coursework. Students engage in critical interrogation of the relationships between critical reflection, professional supervision and ethics and their application to professional social work practice.

Prerequisite: SOCWORK 317, 411, SOCHLTH 313, 334, SOCCHFAM 332

Restriction: SOCWORK 415, 427, 715

SOCWORK 734A 15 Points**SOCWORK 734B 15 Points****Professional Social Work Research in Practice - Level 9**

An independent, applied research-based project relating to an aspect of social work practice and undertaken in a practice context. Students will gather and critically analyse authentic data using appropriate research strategies and

ethical practice principles, and produce a substantial research report.

Prerequisite: SOCWORK 721-725

Restriction: SOCWORK 414, 714

To complete this course students must enrol in SOCWORK 734 A and B

SOCWORK 735 30 Points **Supervised Field Placement II**

An advanced practicum course which includes a critical interrogation of the relationships between critical reflection, professional supervision and ethics and their application to professional social work practice. Includes a minimum of 70 days supervised agency-based practical experience, building on the knowledge and skills gained in the first practicum and concurrent coursework.

Prerequisite: SOCWORK 721-725

SOCWORK 758 30 Points **Special Topic**

SOCWORK 759 15 Points **Special Topic**

SOCWORK 780 30 Points **SOCWORK 780A 15 Points** **SOCWORK 780B 15 Points**

Research Project - Level 9

An integrated approach to social work research where students apply specialised practice research principles and data analysis software to existing qualitative and quantitative datasets to engage in problem definition, critical review of relevant literature, research strategies and design, generating data analysis and reporting of research findings to inform professional practice – and integrated practice research – in social work and social services.

Prerequisite: SOCWORK 312

Restriction: SOCWORK 414, 714, 734

To complete this course students must enrol in SOCWORK 780A and B, or SOCWORK 780

SOCWORK 796A 60 Points **SOCWORK 796B 60 Points**

Thesis - Level 9

To complete this course students must enrol in SOCWORK 796 A and B

SOCWORK 797A 45 Points **SOCWORK 797B 45 Points**

Research Portfolio - Level 9

To complete this course students must enrol in SOCWORK 797 A and B

Social Work Child and Family Practice

Stage III

SOCCHFAM 332 15 Points **Working with Children and Whanau**

An exploration of effective approaches, policies, practices and principles used to engage with children and their whanau within the context of Aotearoa New Zealand. This course will develop the skills and knowledge necessary for working with children and their whanau in community and statutory settings and include consideration of poverty, family violence and child protection.

SOCCHFAM 382 15 Points **Special Topic**

Stage IV

SOCCHFAM 431 15 Points **Child and Adolescent Mental Health Issues**

A critical examination of specific diagnoses and disorders of childhood and adolescence that impact on their mental health and wellbeing, with emphasis on the current successful treatments for severely emotionally distressed children and young people within Aotearoa New Zealand.

Restriction: SOCCHFAM 731

SOCCHFAM 482 15 Points **Special Topic**

Postgraduate 700 Level Courses

SOCCHFAM 700 30 Points **Domestic Violence: Challenges and Responses**

An in-depth examination of the prevalence, consequences, risk and protective factors of domestic violence in Aotearoa New Zealand. Draws on local and international research to explore conceptual models, theories, practice and current research concerns, aimed at prevention and intervention activities at the individual, family/whānau, organisational, community and societal levels.

SOCCHFAM 710 15 Points **Special Topic**

SOCCHFAM 731 15 Points **Child and Adolescent Mental Health Issues**

An in-depth examination of specific diagnoses and disorders of childhood and adolescence that impact on their mental health and wellbeing, with emphasis on contemporary literature and evidence informed practice with children and young people within Aotearoa New Zealand.

Restriction: SOCCHFAM 431

SOCCHFAM 734 30 Points **Issues in Child Welfare and Protection**

Explores the critical issues in child welfare and protection encountered by education, health and human services workers. The historical, social and conceptual basis for an understanding of child abuse and neglect is considered. Explores research-led strategies to address personal, professional, and societal responses to the needs of vulnerable children.

SOCCHFAM 735 15 Points **Intimate Partner Violence**

An in-depth examination of the prevalence, consequences, risk and protective factors pertaining to intimate partner violence (IPV) in Aotearoa New Zealand. Draws on local and international research to explore conceptual models, theories, practice and current research concerns, aimed at prevention and intervention activities at the individual, family/whanau, organisational, community and societal levels.

Restriction: SOCCHFAM 700

SOCCHFAM 736 15 Points **Special Topic**

Social Work Health Practice

Stage III

SOCHLTH 313 15 Points **Mental Health in Social Practice**

An exploration of the dynamics of social practice with

service users and their whānau/family with mental health issues. This course includes an examination of mental health policy and broad approaches to care and recovery. An overview knowledge of the major mental health illnesses and associated recovery strategies will be provided. The impact of mental health issues in Māori, Pasifika, people with disabilities, young people and refugee and migrant communities will be examined.

SOCHLTH 334 15 Points

Effective Social Work in Health and Disability Services

Explores the role of social work with people who have disabilities or experience disabling conditions through accident, illness and aging. Examines policy and strategies of support for recovery and rehabilitation. Develops skills to address the psychosocial impact of physical loss and change with individuals, carers and families.

Prerequisite: SOCHLTH 231 or SOCWORK 200

SOCHLTH 381 15 Points

Special Topic

Stage IV

SOCHLTH 432 15 Points

Working with Grief and Loss

An in-depth examination of theoretical and cultural perspectives of grief and loss that includes loss associated with trauma, terminal and chronic illness and suicide. Personal experience of loss will also be explored. Content will include developing social work skills and interventions that can assist adults and children experiencing grief, loss and change.

Restriction: SOCHLTH 732

SOCHLTH 481 15 Points

Special Topic

Postgraduate 700 Level Courses

SOCHLTH 700 30 Points

Health, Social Justice and Social Work

A critical examination of health disparities, the social dimensions of health and wellbeing and the role of social work. Explores contemporary literature and research to evaluate development strategies in micro and macro practice in health social work. Changes in the delivery of health care and the impact on the social work role and professional identity will be explored with reference to contemporary challenges and opportunities.

Restriction: SOCHLTH 753

SOCHLTH 732 15 Points

Working with Grief and Loss

An in-depth examination of theoretical and cultural perspectives of grief and loss that includes loss associated with trauma, terminal and chronic illness and suicide. Personal experience of loss will also be explored. Content will include contemporary literature and the examination of evidence-informed interventions that can assist adults and children experiencing grief, loss and change.

Restriction: SOCHLTH 432

SOCHLTH 736 15 Points

Health, Social Justice and Practice

A critical examination of the social dimensions of health and wellbeing and the role of social work. Reviews current literature on the social determinants of health and strategies in micro and macro practice in health social work. Explores challenges and opportunities in the delivery

of health care and the impact on the social work role and professional identity

Prerequisite: SOCWORK 721-725

Restriction: SOCHLTH 700

SOCHLTH 756 30 Points

SOCHLTH 756A 15 Points

SOCHLTH 756B 15 Points

Special Topic

To complete this course students must enrol in SOCHLTH 756 A and B, or SOCHLTH 756

SOCHLTH 757 30 Points

Special Study

Social Work Youth Practice

Stage III

SOCYOUTH 300 15 Points

Therapeutic Youth Mentoring

Theories and concepts of youth mentoring and positive youth development will be examined in relation to practice as youth mentors. Students will engage in weekly mentoring sessions on campus with local at-risk youth as part of the Campus Connections therapeutic mentoring programme. Lecture topics include adolescent development, effective mentoring relationships, communication and counselling, ethical youth practice, and risk assessment.

Prerequisite: Any 60 points passed at Stage II or above and approval from the Course Director

Restriction: EDUC 747, PROF COUN 700

Stage IV

SOCYOUTH 483 15 Points

Special Topic

Postgraduate 700 Level Courses

SOCYOUTH 736 15 Points

Special Topic

Sociology

Stage I

SOCIOL 100 15 Points

Issues and Themes in Sociology

Introduction to sociology as a discipline and a review of some of its internal debates. Topics include: social class, gender, globalisation, power, sexual identity and family. Draws on material from a range of societies.

SOCIOL 101 15 Points

SOCIOL 101G 15 Points

Understanding Aotearoa New Zealand

Provides an introduction to the sociological analysis of New Zealand society. Looks at familiar events, institutions, social processes from a sociological point of view and offers ways to understand them in new and different ways. Focuses on the structure of New Zealand society and on social and political changes which affect the lives of New Zealanders and shape their society.

SOCIOL 103 15 Points

Aotearoa New Zealand Social Policy and Social Justice

Provides an overview of key contemporary social policy issues within the context of globalising economic processes

and continuing gendered and racialised divisions. Discusses the way in which debates around social policy are constructed and the implications this has for social justice. Case studies may include food and health, technology, indigeneity and children.

SOCIOL 105 **Cultural Studies and Society** **15 Points**

A cultural studies approach to social life focuses on the way we experience the world, taking account of what we see, what we hear, what we consume and how we communicate. Sociological theory will be explored through investigating different cultural forms including film, advertising, art, social media, sport, and video games.

Stage II

SOCIOL 200 **Sociological Theory** **15 Points**

Aims to map the social condition through theorists who also emphasise the need to transform it. Focuses on material existence, how it is interpreted through language and the investment of people in oppressive regimes, ideologies and discourses. Develops critical perspectives on the intersections of class, race, gender and sexuality.

Prerequisite: 30 points at Stage I in Sociology or 15 points at Stage I in Sociology with a minimum B+ pass

SOCIOL 203 **Social Reality and Ideology** **15 Points**

Sociologists construe ideology as ideas that conceal social inequalities. This course explores the meaning of ideology and some of its related concepts, such as hegemony, discourse, and subjugation. It then critically analyses some of the most pervasive contemporary ideologies. Although not exhaustive, examples include beliefs about personal responsibility, corporate job creators, faith in technology, and crime and deviance.

Prerequisite: 60 points passed from BA courses

SOCIOL 204 **Special Topic: Social Control** **15 Points**

Analyses the means by which different institutions, groups and individuals control the actions, behaviours and thoughts of people in contemporary modern societies, including our own. Discusses controllers, their targets, the mechanisms they employ, the goals they seek to accomplish, and the means by which people resist. Prompts students to reflect how controlling processes have affected their everyday life.

Prerequisite: 30 points at Stage I in Sociology or 15 points at Stage I in Sociology with a minimum B+ pass or 90 points passed

SOCIOL 205 **Special Topic: Sociology of Subcultures** **15 Points**

Through consideration of sociological theory from the Chicago School, British Cultural Studies, and postmodernism, this course investigates marginal, non-normative, and socially deviant group formations considered as 'subcultural'. This will include critical consideration of the social, economic, and political dynamics in which specific group practices and identities of subcultures such as ravers, punks, and skaters take shape in capitalist society.

Prerequisite: 30 points at Stage I in Sociology or 15 points at Stage I in Sociology with a minimum B+ pass

Restriction: SOCIOL 225

SOCIOL 207 **Sociology of Gender and Families** **15 Points**

Focuses on the interrelationship between gender, sexuality and families in New Zealand and other Western societies. Through an examination of important moments in the life course of families – for example, partnering and parenting – it explores changes and continuities in the gendered norms, identities, practices and patterns that characterise contemporary family life.

Prerequisite: 30 points in Sociology or Gender Studies or 60 points passed

Restriction: SOCIOL 214, SOCIOL 222

SOCIOL 208 **Economy and Society** **15 Points**

Examines the changing relations between work and life outside of paid employment. Particular attention is paid to new forms of expropriation that profit from claiming private ownership of collective effort, ideas and cultural forms. These developments are crucial to understanding and contesting social inequality, globalisation, organisational restructuring and new technologies. Course material is drawn from international literatures and is grounded in an understanding of contemporary New Zealand.

Prerequisite: 30 points at Stage I in Employment Relations and Organisational Studies or Sociology or 15 points at Stage I in Sociology with a B+ or higher, or 30 points in International Relations and Business

SOCIOL 210 **Colonisation, Globalisation and Social Justice** **15 Points**

Charts the political, economic, cultural and ecological consequences of imperialism, colonisation, globalisation, aid and development, up to and including the IMF/World Bank's neoliberalism and structural adjustment programme. It pays particular attention to violence (physical, psychological and ideological), environmental consequences and health impacts in these contexts.

Prerequisite: 30 points at Stage I in Sociology or Employment Relations and Organisational Studies, or 15 points at Stage I in Sociology with a B+ or higher, or 30 points in Global Politics and Human Rights, or 30 points at Stage I in BC courses

SOCIOL 211 **Sociology of Popular Culture** **15 Points**

Popular culture appears to be everywhere, but what political and social effects might all this popular entertainment have on us? This course seeks to answer such questions through a sociological interpretation of popular culture as both an indicator of social change and as a location of meaning and significance. Topics include reality TV, celebrities, consumption, music, and technology.

Prerequisite: 30 points at Stage I in Sociology, or 15 points at Stage I in Sociology with a B+ or higher, or 30 points from COMMS 100, FTVMS 100, 101, MEDIA 101, or 30 points from Comparative Literature

SOCIOL 213 **Ethnicity and Identity** **15 Points**

Charts the development of the concepts of racial, national, ethnic and indigenous identities in relation to the histories of modernity and colonisation and then uses these concepts to analyse a range of contemporary issues of identity and belonging.

Prerequisite: 30 points at Stage I in Sociology or 15 points at Stage I in Sociology with at least a B+ average or 30 points at Stage I in Global Studies with at least a B+ average, or 90 points passed

SOCIOL 217 15 Points**Social Movements**

What motivates and sustains collective action for social and political change? Through local and international examples, students will explore different theories about why people form and act through movements, the tactics and strategies activists use, how movement successes and failures are measured, and how and why groups evolve, or fall apart, over time.

Prerequisite: 30 points passed at Stage I

SOCIOL 218 15 Points**Critical Theories of Capitalism**

Explains why crises are endemic to capitalism and have destructive effects on people, society and planetary life. Considers why capitalism emerged in Britain first and became a global system. Draws on a range of critical theory perspectives to explain the relationship of political economy to ideology, subjectivity and the intersections of class, race and gender.

Prerequisite: 30 points passed at Stage I

Restriction: SOCIOL 301

SOCIOL 219 15 Points**Special Topic**

Prerequisite: 30 points at Stage I in Sociology

SOCIOL 228 15 Points**Special Topic: Power and Knowledge**

Illuminates the social processes through which knowledge is produced and transmitted, and how these processes are shaped by powerful social forces, including corporations and the state. Students will gain critical insights about knowledge production, how this relates to social justice and state control, and will build skills for detecting misinformation and disinformation.

Prerequisite: 30 points passed at Stage I

SOCIOL 229 15 Points**Environmental Sociology**

Environmental sociology provides insight into the complex social processes that define, create and even threaten our natural environment. This course gives tools with which to think sociologically about environmental issues, such as understanding how environmental issues come to be seen as environmental problems, and how political, cultural, and economic factors have come to shape our interaction with the natural environment.

Prerequisite: 30 points at Stage I in Sociology, or 30 points from ENV 101, ENVSCI 101, 201, GEOG 102, 205, or COMMS 102 and 15 points from ENV 101, ENVSCI 101, SOCIOL 100

Stage III**SOCIOL 300 15 Points****Feminist, Anti-Colonial and Post-Capitalist Technofutures**

Introduces students to theoretical approaches for understanding the social, material and power (political) dimensions of science and technology, as well as practical approaches for imagining and enacting more ethical, equitable, collaborative and anti-colonial technofutures. Topics studied include: science, technology and social theory; feminist, anti-colonial and post-capitalist approaches to science and technology; translating knowledge to engage public audiences.

Prerequisite: 30 points at Stage II in Sociology, or COMMS 103 and 208

Restriction: SOCIOL 311

SOCIOL 301 15 Points**Critical Theories of Capitalism**

Explains why crises are endemic to capitalism and have destructive effects on people, society and planetary life. Considers why capitalism emerged in Britain first and became a global system. Draws on a range of critical theory perspectives to explain the relationship of political economy to ideology, subjectivity and the intersections of class, race and gender.

Prerequisite: 30 points passed at Stage II

Restriction: SOCIOL 218

SOCIOL 305 15 Points**Special Topic****SOCIOL 307 15 Points****The Pacific in the World**

Brief history of post Second World War theories of economic development and modern world systems. Explores Pacific responses to world systems such as colonisation, capitalism, globalisation and militarisation. Examines Pacific relations with colonial and imperial powers such as Aotearoa New Zealand, Britain, and US. Analyses the limitations of world systems models.

Prerequisite: 30 points at Stage II in Global Environment and Sustainable Development or Sociology

SOCIOL 309 15 Points**Migration, Borders and Displacement**

Examines the relationship between national borders and international migration alongside an exploration of critical theories of the drivers, management and experience of displacement. Particular attention is paid to representations of migration, political and policy responses to migration, and patterns of involuntary, labour, lifestyle and educational migration.

Prerequisite: 30 points at Stage II in Global Politics and Human Rights or Sociology

Restriction: SOCIOL 306

SOCIOL 310 15 Points**Researching Social Problems**

Develops skills in integrating theory and methods so that students can critically engage with social problems using a sociological lens both inside and outside the university.

Prerequisite: 30 points at Stage II in Sociology or 60 points passed at Stage II from BA courses

SOCIOL 315 15 Points**Law, Inequality and the State**

Examines, in a comparative mode, how law as a set of social relations and categories can both create and remedy inequalities of gender, race, and class.

Prerequisite: 30 points at Stage II in Sociology or 15 points from CRIM 201, 202 or 30 points at Stage II in Global Politics and Human Rights

Restriction: SOCIOL 215

SOCIOL 316 15 Points**Critical Theories of Schooling**

Compulsory schooling in western society has traditionally been seen as a significant instrument of socialisation, progression and economic advancement for young people. The course will engage students in ideas which challenge this view by drawing on critical theories such as Labelling, Marxist, Foucauldian, and Anarchist theory, and exploring topics including colonialism, patriarchy, racism, and the social control of youth.

Prerequisite: 30 points at Stage II in Sociology

SOCIOL 318 15 Points
Sociology of the Media
 An exploration of the relationship and patterns of interaction between media, culture and society through an examination of the print and broadcasting media, and advertising in New Zealand.

Prerequisite: 30 points at Stage II in Sociology, or Media, Film and Television, or Communication

SOCIOL 322 15 Points
A Sociology of Relational Life
 Introduces students to new developments in sociology by examining the significance of our relationships to others: intimate partners, friends, acquaintances, and even pets. The course considers the ways relationships are embedded in life through everyday practices, sharing photographs, and telling stories. In so doing, it engages with contemporary debates about the rise of individualism and the decline of family life.

Prerequisite: 30 points at Stage II in Sociology

SOCIOL 326 15 Points
Sociology of Violence and Death
 Drawing on writings from a variety of intellectual traditions, this course explores the contested nature of violence through an examination of a number of contemporary debates about the causes, agents, consequences, as well as responses to and interventions in, incidents of violence. *Prerequisite: 30 points at Stage II in Sociology, or 15 points at Stage II in Sociology and CRIM 201 or 202, or 30 points at Stage II in Health and Society*

SOCIOL 330 15 Points
Special Topic
Prerequisite: 30 points at Stage II in Sociology

SOCIOL 333 15 Points
Sociology of Health, Illness, and Medicine
 Presents a conceptual and topical overview of the Sociology of Health, Illness, and Medicine. Specific topics to be addressed include: the social distribution of disease; the social production of disease; the social construction of 'illness'; the social construction of treatment practices; patient experiences of illness and healthcare; the social organisation of medicine; and alternative visions of healthcare.

Prerequisite: 30 points at Stage II in Sociology, or COMMS 212 and 15 points in Sociology, or 30 points in Health and Society, or HLTHSOC 100 with a B+ or better

SOCIOL 339 15 Points
Special Topic
Prerequisite: 30 points at Stage II in Sociology

SOCIOL 340 15 Points
Special Topic
Prerequisite: 30 points at Stage II in Sociology

Postgraduate 700 Level Courses

SOCIOL 700 30 Points
Capitalism, Ideology, and Desire
 Draws on theories of subjectivity to discern how capitalism influences the way people think, act and desire. It considers the damage that a competitive society does to the psyche relative to sex/gender. It considers how changes in the psychosocial condition can be brought about.
Restriction: SOCIOL 733

SOCIOL 701 30 Points
Advanced Skills in Research
 Examination of sociological issues in research design, execution, analysis and interpretation. Particular attention is paid to computer assisted data and benefits of employing multiple methods.
Restriction: SOCSCRES 702, 703

SOCIOL 703 30 Points
Sociology of Mental Health
 Interrogates advanced sociological theories of medicine and psychiatry, investigating mental health interventions as social, economic, cultural and political projects. Key issues will include The Enlightenment and theories of the self, the rise of science and the 'psy' professionals, institutionalisation and community care, current sociological theories of mental health, the medicalisation of everyday life, and gender, race and mental illness.

SOCIOL 706 30 Points
The Sociology of Disasters
 Disasters are increasing in scale, cost, frequency and severity. This course examines their causes and consequences and considers their future avoidance. In doing so it draws on social theory, Science and Technology Studies, and broad literatures on disaster. Topics include: the risk society thesis, the social patterning of disasters, and the political economy of disasters (disaster capitalism).

SOCIOL 707 30 Points
Governing Population and Society
 Explores the relationship between population, state and society with a particular emphasis on the settler colonial and post colonial context of Aotearoa New Zealand and the South Pacific. Social theories of biopolitics, gender, racism and technology are examined in order to develop critical insights into population 'problems' of migration, borders, fertility/mortality, citizenship and diversity.

SOCIOL 709 30 Points
Special Topic: Sociology of Universities
 Interrogates the purpose of a university from a sociological lens. Explores how the university is imagined and the different social drivers that guide the 'purpose' of a university. Topics include non-performative diversity, the university as a site for 'cultural wars', the neoliberal university, critic and conscience and academic freedom.

SOCIOL 710 30 Points
Special Topic: Environmental Justice and Environmental Crimes
 An advanced study of sociological and green criminology approaches to environmental harms that illuminates the complex social processes that creates them. This course critically analyses phenomenon that harms humans, non-humans and the environment. Examines the complex political, cultural, economic factors, and social factors contributing to them, as well as the social responses to address these problems.

SOCIOL 711 30 Points
Special Topic

SOCIOL 718 30 Points
Research Projects: Design and Practice
 Explores some of the major principles of research design and practice before discussing particular methods of research. Students will work through problem definition,

literature review, and research design. Both 'empirical' and 'theoretical' projects will be encouraged.

Restriction: SOCIOL 731, SOCSRES 701

SOCIOL 728 30 Points

Family, Gender and the State

The influence of changing ideologies of mothering, fathering, family and work, as well as the political forces and pressure groups that promote them, on both the development and restructuring of social and legal policies in several industrialised nations, including New Zealand.

SOCIOL 735 30 Points

Current Debates in Gender and Sexuality

Traces contemporary sociological debates in the analysis of gender and sexuality. This includes reference to feminist concerns with identities, differences, bodies, power and agency. These issues are taken up and explored through an examination of practices enacted on/or through sexed bodies.

SOCIOL 737 15 Points

Special Topic

SOCIOL 738 15 Points

Directed Study

SOCIOL 739 30 Points

Directed Study

SOCIOL 743 15 Points

Special Topic

SOCIOL 745 30 Points

Sociology of Science and Technology

Starting from the premise that science is a social phenomenon, this course investigates how science is shaped by norms, institutions, beliefs and other social forces. It asks students to consider how the human world affects science, and how science affects the human world.

SOCIOL 746 30 Points

Settler Societies and Indigenous Peoples

Critically examines settler colonialism and the contemporary politics and practices of recognition and reconciliation between indigenous and settler peoples in Aotearoa New Zealand, Australia, Canada and the USA. The course examines the literatures on settler colonialism and contemporary practices of recognition and apology, as well as the work of courts, tribunals, governments and indigenous communities across these four societies.

SOCIOL 748 30 Points

Critical Theory and Social Change

Investigates the social forces and forms of thought currently producing progressive social change out of the contradictory realities of the existing social situation. Considers the immanent possibilities for radical change at the present moment of late capitalism, the grounds on which social change might be justified and the practical steps that might be taken to realise them.

SOCIOL 790 30 Points

SOCIOL 790A 15 Points

SOCIOL 790B 15 Points

Research Project - Level 9

To complete this course students must enrol in SOCIOL 790 A and B, or SOCIOL 790

SOCIOL 792 45 Points

SOCIOL 792A 22.5 Points

SOCIOL 792B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in SOCIOL 792 A and B, or SOCIOL 792

SOCIOL 794 60 Points

SOCIOL 794A 30 Points

SOCIOL 794B 30 Points

Dissertation - Level 9

To complete this course students must enrol in SOCIOL 794 A and B, or SOCIOL 794

SOCIOL 796A 60 Points

SOCIOL 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in SOCIOL 796 A and B

SOCIOL 797A 60 Points

SOCIOL 797B 60 Points

Research Portfolio - Level 9

To complete this course students must enrol in SOCIOL 797 A and B

Spanish

Stage I

SPANISH 104 15 Points

SPANISH 104G 15 Points

Beginners' Spanish 1

Provides a solid grounding in the basic grammar and vocabulary of Spanish for beginners or near beginners, emphasising communicative competence in the present tense. Develops speaking, listening, reading and writing skills, and prepares students at the A1 Level of the Common European Framework of Reference for Languages.

Restriction: SPANISH 107. May not be taken if a more advanced language acquisition course in this subject has previously been passed

SPANISH 105 15 Points

Beginners' Spanish 2

Moving from the present to the past tenses, this course prepares students for basic conversation about everyday activities such as travel, weather, health, pastimes, emotions and simple narratives of historical events. Prepares students for the A2 Level of the Common European Framework of Reference for Languages.

Note: Students with 16 Level 2 NCEA credits in Spanish in last two years will enrol in SPANISH 105.

Prerequisite: SPANISH 104 or 109

Restriction: SPANISH 108. May not be taken if an equivalent or a more advanced language acquisition course in this subject has previously been passed

SPANISH 178 15 Points

Spanish Study Abroad 1B

Course of at least 4 weeks in length and 48 taught hours on Spanish language and/or culture to be taken at an approved academic institution in a Spanish-speaking country.

Prerequisite: B- or higher in SPANISH 104 or approval of Academic Head or nominee

Stage II**SPANISH 200** 15 Points
Intermediate Spanish 1

Consolidates Spanish study by introducing the present subjunctive, enables students to move toward fluency in conversations on contemporary topics, and enriches daily activities with detail, subtlety and idioms used in the context of the rich cultures of the Hispanic world (Spain and Latin America). This course is equivalent to B1 of the Common European Framework of Reference for Languages.

Prerequisite: SPANISH 105 or 178

Restriction: SPANISH 277. May not be taken if a more advanced language acquisition course in this subject has previously been passed

SPANISH 201 15 Points
Intermediate Spanish 2

Builds on skills obtained in SPANISH 200 with special emphasis on practical work, spoken Spanish and development of aural-oral skills.

Prerequisite: SPANISH 200

Restriction: SPANISH 278. May not be taken if a more advanced language acquisition course in this subject has previously been passed

SPANISH 202 15 Points
Iberian Cultures and Literatures

An introduction to the study of Iberian literatures in their cultural contexts, focusing on major works and movements from different historical periods.

Prerequisite: 15 points from SPANISH 105, 108, 200, 201, 277, 278, 319, 321, 377, 378

Restriction: SPANISH 302

SPANISH 203 15 Points
Iberian and Latin American Civilisations

Focuses on the unique traditions and radical innovations of the pluricultural nations comprising the Iberian Peninsula and Latin America, tracing parallel historical trajectories, diverse political systems and engaging aesthetic creations. Develops knowledge of Spanish and Latin American cultural studies through a global studies approach.

Prerequisite: 45 points at Stage I in BA courses

Restriction: SPANISH 103

SPANISH 206 15 Points
Spanish Myths and Global Icons

Explores cultural representations of universal Spanish motifs in literature and the arts. Examines classical cultural myths associated with Spain (such as Don Quixote, Don Juan and Carmen), and global icons which have defined modernity, from Picasso, Dalí, and García Lorca to Buñuel and Almodóvar.

Prerequisite: 15 points from SPANISH 105, 108, 200, 201, 277, 278, 319, 321, 377, 378

Restriction: SPANISH 306

SPANISH 207 15 Points
Transnational Movements in Hispanic Culture

Explores transnational movements pertaining to Spain and Latin America: topics may include the nineteenth-century agendas of abolitionism, freethinking and feminisms, migration and exile, film co-productions and documentaries, and historical memory networks in the twentieth and twenty-first centuries.

Prerequisite: 15 points from SPANISH 105, 108, 200, 201, 277, 278, 319, 321, 377, 378

Restriction: SPANISH 307

SPANISH 215 15 Points
Special Topic
Prerequisite: SPANISH 105 or 108**SPANISH 218** 15 Points
Making Modern Spain 1840-1939

The making of modern Spain charts a period in which gender, class and ideological upheavals intersect with enquiry and debate as to what constitutes the Spanish nation. An overview of key moments in Spanish cultural politics from high Romanticism through to the end of the Spanish Civil War, examining the connections between seduction, both personal and intellectual, and social revolutions.

Prerequisite: 15 points from SPANISH 105, 108, 200, 201, 277, 278, 319, 321, 377, 378

Restriction: SPANISH 318, 725

SPANISH 223 15 Points
Special Topic

Prerequisite: SPANISH 105 or 108

SPANISH 277 15 Points
Spanish Study Abroad 2A

For approved courses at overseas institutions with permission of the Academic Head or nominee.

Prerequisite: B- or higher in SPANISH 105 or approval of Academic Head or nominee

SPANISH 278 15 Points
Spanish Study Abroad 2B

For approved courses at overseas institutions with permission of the Academic Head or nominee.

Prerequisite: B- or higher in SPANISH 105 or approval of Academic Head or nominee

Stage III**SPANISH 302** 15 Points
Iberian Cultures and Literatures

Advanced study of Iberian literatures in their cultural contexts, focusing on major works and movements from different historical periods.

Prerequisite: 15 points from SPANISH 201, 278, 319, 321, 323, 377, 378 and 15 points from SPANISH 206, 207, LATINAM 201, 210, 216

Restriction: SPANISH 202

SPANISH 306 15 Points
Spanish Myths and Global Icons

Explores cultural representations of universal Spanish motifs in literature and the arts. Examines classical cultural myths associated with Spain (such as Don Quixote, Don Juan and Carmen), and global icons which have defined modernity, from Picasso, Dalí, and García Lorca to Buñuel and Almodóvar.

Prerequisite: 15 points from SPANISH 201, 278, 319, 321, 377, 378 and 15 points from SPANISH 202, 207, LATINAM 201, 216

Restriction: SPANISH 206

SPANISH 307 15 Points
Transnational Movements in Hispanic Culture

Explores transnational movements pertaining to Spain and Latin America: topics may include the nineteenth-century agendas of abolitionism, freethinking and feminisms, migration and exile, film co-productions and documentaries, and historical memory networks in the twentieth and twenty-first centuries.

Prerequisite: 15 points from SPANISH 201, 278, 319, 321, 377, 378 and 15 points from SPANISH 202, 207, LATINAM 201, 216

Restriction: SPANISH 207

SPANISH 315 Special Topic <i>Prerequisite: SPANISH 201 or 278 or 319 or 321 or 377 or 378 and 15 points from SPANISH 202 or LATINAM 201 or 216</i>	15 Points
SPANISH 316 Special Topic <i>Prerequisite: SPANISH 201 or 278 or 319 or 321 or 377 or 378 and 15 points from SPANISH 202 or LATINAM 201 or 216</i>	15 Points
SPANISH 317 Hispanic Cultures in Cinema A study of Spanish and/or Latin American cultures and their representation in films. Emphasis on critical theories and cultural contexts of representation. <i>Prerequisite: SPANISH 201 or 278 or 319 or 321 or 377 or 378 and 15 points from SPANISH 202 or LATINAM 201 or 216</i> <i>Restriction: SPANISH 718</i>	15 Points
SPANISH 318 Making Modern Spain 1840-1939 The making of modern Spain charts a period in which gender, class and ideological upheavals intersect with enquiry and debate as to what constitutes the Spanish nation. An overview of key moments of Spanish cultural politics from high Romanticism through to the end of the Spanish Civil War, examining the connections between seduction, both personal and intellectual, and social revolutions. <i>Prerequisite: SPANISH 201 or 278 or 319 or 321 or 377 or 378 and 15 points from SPANISH 202 or LATINAM 201 or 216</i> <i>Restriction: SPANISH 218, 725</i>	15 Points
SPANISH 319 Advanced Spanish 1 Expands the language skills obtained in SPANISH 200-201 through extensive practice in advanced grammar, idiomatic expression, listening, speaking, reading and writing in relation to cultural and contemporary topics. <i>Prerequisite: SPANISH 201 or 278</i> <i>Restriction: SPANISH 300, 377</i>	15 Points
SPANISH 321 Advanced Spanish 2 Builds on skills obtained in SPANISH 319 with special emphasis on advanced Spanish grammar review and development of Spanish and Latin American cultural literacy. Note: Students who have passed SPANISH 300 in 2006 or 2007 may enrol in the course with permission of the Academic Head or nominee. <i>Prerequisite: SPANISH 319 or 377 or approval of Academic Head or nominee</i> <i>Restriction: SPANISH 378</i>	15 Points
SPANISH 323 Spanish Translation Practice Develops translator competence within general, cultural and technical knowledge domains, through full translations into and out of Spanish, topic-based research, and summary and selective translations. Specific skills include understanding the different phases in the translation process; documentary research skills, and editing and proof-reading skills. <i>Prerequisite: SPANISH 201 or approval of Spanish Programme Coordinator</i> <i>Restriction: SPANISH 723</i>	15 Points
SPANISH 341 Spanish Sound Structure Provides advanced Spanish learners with a solid foundation	15 Points

in Spanish phonetics and phonology. Spanish sounds are explained and practiced in order to minimise native-language transfer. Students learn articulatory phonetics, phonetic transcription, and sound-pattern recognition, skills that enable them to discern native pronunciations and discover the principles that underlie the Spanish sound system.

Prerequisite: 15 points from SPANISH 201, 278, 319, 321, 377, 378
Restriction: SPANISH 741

SPANISH 342 **Spanish Word Formation**

An introduction to the formal study of Spanish words and the processes that generate them. Key morphological concepts explain how words may be related. The processes used to derive words and create grammatical variants will be analysed and practiced. Construction and deconstruction of words will be examined with reference to the enrichment of vocabulary.

Prerequisite: 15 points from SPANISH 201, 278, 319, 321, 377, 378
Restriction: SPANISH 742

SPANISH 350 **Directed Reading and Research**

Supervised research projects.

Prerequisite: SPANISH 201 or 278 or 319 or 321 or 377 or 378 and 15 points from SPANISH 202 or LATINAM 201 or 216, and approval of Academic Head or nominee

SPANISH 377 **Spanish Study Abroad 3A**

For approved courses at overseas institutions with permission of the Academic Head or nominee.

Prerequisite: B- or higher in SPANISH 201 or approval of Academic Head or nominee

SPANISH 378 **Spanish Study Abroad 3B**

For approved courses at overseas institutions with permission of Academic Head or nominee.

Prerequisite: B- or higher in SPANISH 201 or approval of Academic Head or nominee

Postgraduate 700 Level Courses

SPANISH 719 **Special Topic**

30 Points

SPANISH 720 **Latin American Knowledges**

30 Points

An examination of new knowledges produced in Latin America that have influenced socio-political theory and global epistemological paradigms but are subalternised as art, culture, or politics. Therefore, this course will examine the link between theory and practice in the creation of new knowledge.

Prerequisite: LATINAM 301, 306, or POLITICS 332
Restriction: LATINAM 320

SPANISH 723 **Advanced Spanish Translation Practice**

30 Points

Aims at developing translator competence within general, cultural and technical knowledge domains, through full translations into and out of Spanish, topic-based research, and summary and selective translations. Specific skills include mastering the different phases in the translation process; understanding the main textual and contextual features of Languages for Specific Purposes (LSP) texts; documentary research skills, and editing and proof-reading skills.

Restriction: SPANISH 323

SPANISH 728	30 Points
SPANISH 728A	15 Points
SPANISH 728B	15 Points

Research Essays - Level 9

Essays within a field, genre or period of literature.

To complete this course students must enrol in SPANISH 728 A and B, or SPANISH 728

SPANISH 729	30 Points
Latin American Icons: Political Economy of Otherness	

The ways in which Latin America as a place and a people has served as a site of otherness and exoticism providing economic and symbolic capital for the consumption and pleasure of colonial, neo-colonial, and neo-liberal powers. Latin American cultural studies texts offer students a way to read against the grain established by this process.

Prerequisite: 15 points from HISTORY 310, POLITICS 332, SPANISH 313

Restriction: LATINAM 306, SPANISH 306

SPANISH 736	15 Points
Special Topic	

SPANISH 737	30 Points
Special Topic	

SPANISH 750	15 Points
SPANISH 750A	7.5 Points
SPANISH 750B	7.5 Points
Special Study	

Supervised research on a topic or topics approved by the Academic Head or nominee.

To complete this course students must enrol in SPANISH 750 A and B, or SPANISH 750

SPANISH 777	15 Points
Study Abroad	

Formal study in an approved overseas university where the language of instruction is Spanish. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.

SPANISH 778	15 Points
Study Abroad	

Formal study in an approved overseas university where the language of instruction is Spanish. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Academic Head or nominee. Enrolment requires the approval of the Academic Head or nominee.

SPANISH 782	30 Points
SPANISH 782A	15 Points
SPANISH 782B	15 Points

Research Project - Level 9

Prerequisite: 30 points from SPANISH 719-737

To complete this course students must enrol in SPANISH 782 A and B, or SPANISH 782

SPANISH 791	60 Points
Dissertation - Level 9	

SPANISH 792	45 Points
SPANISH 792A	22.5 Points
SPANISH 792B	22.5 Points

Dissertation - Level 9

To complete this course students must enrol in SPANISH 792 A and B, or SPANISH 792

SPANISH 793A	45 Points
SPANISH 793B	45 Points

Thesis - Level 9

To complete this course students must enrol in SPANISH 793 A and B

SPANISH 796A	60 Points
SPANISH 796B	60 Points

Thesis - Level 9

To complete this course students must enrol in SPANISH 796 A and B

SPANISH 797A	60 Points
SPANISH 797B	60 Points

Research Portfolio - Level 9

To complete this course students must enrol in SPANISH 797 A and B

Sport Studies

Stage I

SPORT 100G	15 Points
Sport in Society	

Critically examines the socio-cultural, political and economic significance of sport within Aotearoa New Zealand. Examines how sport is embedded in the lives of people, constitutes identities, and is connected to major spheres of social life and various social issues. Through focusing on select sporting issues it analyses how New Zealanders negotiate understandings of self, ethnicity, gender, sexualities, health, and lifestyle.

Restriction: EDUC 104G

SPORT 101	15 Points
Making a Difference in Sport	

Explores the skills needed to successfully deliver sport and recreation activities. Examines differential community provision and develops skills to liaise with and engage diverse participants using psychological and sociological theories. Considers emerging trends in the field. Students will participate in community mapping to identify existing and potential sport and recreation opportunities in diverse communities.

Stage II

SPORT 202	15 Points
Sport and Recreation	

Explores sport, recreation, and physical activity environments and cultures in Aotearoa New Zealand, including organised and alternative sport. Examines how children, youth and adults engage with sport and physical culture. Explores issues of access, policy and leadership in the field and investigates how different concepts influence understandings of, and engagement with, sport and physical culture.

Restriction: EDCURRIC 237

SPORT 204	15 Points
Coaching Sport	

Examines and applies effective coaching practices,

including coaching principles and the nature of practice. Focuses on developmentally and culturally appropriate coaching contexts throughout the lifespan (including childhood, adolescence and adulthood). Attention is given to coaching for diverse players and inclusive practices. Applies player-centred coaching principles.

Prerequisite: Students are required to consent to the disclosure of criminal convictions and safety checks as required by the Children's Act 2014

Restriction: EDCURRIC 239

Stage III

SPORT 302 15 Points **Sport Leadership**

Develops the knowledge and skills for leading people and organisations in sporting contexts. Involves the study of leadership theories and styles from a range of different cultures. Includes critical examination of contemporary leadership strategies, issues, politics and policy. Develops interpersonal skills and leadership philosophies.

Prerequisite: SPORT 204

SPORT 303 15 Points **Managing Sport and Recreation**

Critically examines the societal value and management of sport and recreation events at local, regional, national and international levels. Investigates aspects such as feasibility, community needs, site selection, scheduling, risk and volunteer management, logistics, publicity, marketing and evaluation. Emphasis is given to practice in applied settings.

Prerequisite: 30 points from SPORT 202, 203, 204, SPORHPE 201, 202, 203

SPORT 304 15 Points **Sport Psychology and Coaching**

Critically examines recognised principles and practices of coaching and managing sport teams, including contemporary knowledge and theories. Individual and team psychological and social practices are examined and critiqued. Explores how coaches analyse the playing environment and the needs of players, including life-sport balance.

Prerequisite: 30 points from SPORT 202, 203, 204, SPORHPE 201, 202, 203

Restriction: EDCURRIC 239

SPORT 305 15 Points **Sport Media and Marketing**

Explores the roles and consequences of media representations of sport and physicality. Develops knowledge of the discourses that influence how sport, the body, and health are understood. Develops skills in marketing communications used to promote sport and physical wellbeing. Investigates issues emerging from the use of social media by sporting organisations, groups and individuals.

Restriction: COMMS 303, SPORT 203

Sport, Health and Physical Education

Stage I

SPORHPE 101 15 Points **Sociocultural Foundations**

Explores the sociological, historical, psychological and philosophical foundations of health, sport and movement cultures. Examines how health and human movement

are culturally and socially conceptualised with regard to contemporary concerns and trends. Includes studies of different cultural (Pākehā, Māori, Pacific, Asian) concepts of, and engagement with, health, sport and physical culture.

Restriction: EDCURRIC 135, EDUC 142

SPORHPE 102 15 Points **Learning and Pedagogy**

An introduction to how humans learn and how such learning is applied within the fields of health, physical education, and sport. Examines the way humans develop and apply knowledge, skills, and dispositions and their implications for pedagogical practices in health, physical education, and sport contexts.

SPORHPE 103 15 Points **Biophysical Foundations**

Introduces students to the anatomical, physiological and biomechanical foundations of human movement. Examines the functions of the musculo-skeletal system, the circulo-respiratory system and the nervous system, during rest and activity. Studies the biomechanical principles required to improve mechanical efficiency in human movement.

Restriction: EDCURRIC 133

SPORHPE 104 15 Points **Biophysical Foundations of Human Movement**

Introduces students to the biophysical foundations of human movement. Examines the role of the neuro-muscular and musculo-skeletal systems in movement. Examines knowledge of internal and external mechanics and how this is applied to understand human movement.

Stage II

SPORHPE 201 15 Points **Whakatinanahia**

Examines Māori approaches to embodiment, forms of physicality and movement valuable for educational and health settings in Aotearoa New Zealand. Students will gain knowledge through engaging in forms of Māori physical culture in a range of contexts.

Prerequisite: EDUCSW 101 or EDPROFM 100

SPORHPE 202 15 Points **Skill Learning**

Develops knowledge and understanding of skill learning, teaching and coaching in human movement. Examines concepts of skill and theories of learning, including: psychological theories underpinning physical competency, child and youth development, motivation, inclusion and success. Develops an understanding of learner-centred, inquiry-based practice, and the development of pedagogical practices.

Prerequisite: SPORHPE 102

Restriction: EDCURRIC 200

SPORHPE 203 15 Points **Physiology, Exercise, Fitness**

Develops knowledge and understanding of exercise physiology. Examines physiological responses during and as a result of exercise. Examines the nature and purpose of deliberate exercise and fitness programmes. Explores the pedagogy of teaching exercise and fitness.

Prerequisite: SPORHPE 103

Restriction: EDCURRIC 200, 334

Stage III**SPORHPE 301** 15 Points**School Health and Physical Education**

Examines health education and physical education in primary and secondary school contexts. Develops knowledge of pedagogy, curriculum, and programming. Critically examines how contemporary issues in the fields of health, sport and physical education impact schools.

SPORHPE 303 15 Points**Health, Fitness and Culture**

Critically examines the nature of incidental and deliberate exercise, lifestyle choices, and concepts of health. Critiques the veracity of evidence linking physical activity and health. Critically explores contemporary health issues associated with sedentary lifestyles, and the impact of twenty-first century lifestyle changes including globalisation and digitalisation. Examines how education can contribute to the diverse exercise and health needs of society.

*Prerequisite: SPORHPE 203**Restriction: EDCURRIC 334*

Tertiary Foundation Certificate Arts General

Foundation Courses**TFCARTS 92F** 15 Points**Introduction to Arts and Humanities**

Encourages students to think in a variety of different ways about a particular theme or topic. This is achieved by introducing different Arts and Arts-related subjects/disciplines and the ways those different disciplines can, in their own unique ways, work complementarily to enrich understanding.

Restriction: ARTSGEN 92P

Tertiary Foundation Certificate Creative Arts

Foundation Courses**TFCCAI 92F** 15 Points**Foundation Creative Arts**

Helps develop a practical and theoretical understanding of the skills and practises employed by performing artists, visual artists and designers when creating a performance, art object or design portfolio.

Tertiary Foundation Certificate Education

Foundation Courses**TFCEDUC 90F** 15 Points**Introduction to Computing**

Develops computer literacy skills in word processing, spreadsheets, presentation software, document collaboration and common multi-media technologies. These skills will be embedded in the context of tertiary study.

*Restriction: EDFOUND 12F, TFCEDUC 12F***TFCEDUC 91F** 15 Points**New Zealand Education System**

Introduces students to the education system of New Zealand. Illustrates the historical development of the New Zealand education system, and addresses issues such as

changes to governance and curriculum and ethnic diversity in New Zealand schools.

*Restriction: EDFOUND 14F, TFCEDUC 14F***TFCEDUC 92F** 15 Points**Child Development and Learning**

Presents an overview of language and learning development, and examines strategies for helping children to develop as learners and readers.

*Restriction: EDFOUND 13F, TFCEDUC 13F***TFCEDUC 93F** 15 Points**Mathematics for Teaching Science and Technology**

Students will develop critical thinking skills by designing and critiquing investigative methods for science and mathematics.

Restriction: EDFOUND 16F, TFCEDUC 16F

Tertiary Foundation Certificate English

Foundation Courses**TFCENG 90F** 15 Points**Preparatory Skills in Literacy**

Develops fundamental literacy skills including verbal communication, reading comprehension, evaluation of sources and academic writing. These skills will be applied to critically examine social and political topics related to education and literacy.

TFCENG 91F 15 Points**Academic Literacy 1**

Establishes skills in spoken and written English for academic purposes. Introduces critical reading, writing, listening and oral presentation skills. Students develop greater competency in English and learn the basics of academic literacy.

*Restriction: ENGLISH 91F***TFCENG 92F** 15 Points**Academic Literacy 2**

Further establishes English skills for academic purposes. Develops sound academic practice, including enhanced critical reading and writing, critical listening and effective oral presentation skills. Building on TFCENG 91F, this course strengthens students' abilities and confidence in academic literacy.

Restriction: ENGLISH 92F

Tertiary Foundation Certificate History

Foundation Courses**TFCHIST 91F** 15 Points**Foundation History**

An introduction to themes in New Zealand history including the interactions and relationships between the Māori world and Europeans from the late eighteenth century onwards, and their legacies up to the present. Introduces broader skills suitable for studying history, providing a solid foundation for research, critical thinking, speaking, writing and collaborative work that is invaluable in a wide-range of disciplines.

Restriction: HISTORY 91F

Tertiary Foundation Certificate Māori

Foundation Courses

TFCMAORI 91F

15 Points

Te Pū

Introduction to functional Māori including everyday vocabulary, basic sentence structures, pronouns, possessives and positional language. Aspects of tikanga explored will include meeting and greeting people with waiata, karakia and himene, and understanding values such as whānau, whakawhanaungatanga and aroha. Referring to their own whakapapa and/or whānau affiliations, students learn how to introduce and locate themselves and deliver a short mihi.

Restriction: EDFOUND 10F, TFCMĀORI 10F

Tertiary Foundation Certificate Pacific Studies

Foundation Courses

TFCPAC 91F

15 Points

Foundation Pacific Studies

Introduces students to an essential knowledge of the Pacific and its cultures and peoples, and to the core practices and concepts of interdisciplinary Pacific Studies. This course will provide a foundation of knowledge of Pacific cultures, languages, history, geography and politics, and introduce students to some core Pacific Studies concepts (such as fa'aalo'alo/faka'apa'apa, diaspora, Oceania, identity, and culture). Students will gain familiarity with the history and purposes of Pacific Studies and work with some accessible forms of indigenous Pacific knowledge.

Tertiary Foundation Certificate Sociology

Foundation Courses

TFCSOCIO 91F

15 Points

Foundation Sociology 1

Introduces students to fundamental building blocks in sociology. Students develop familiarity with key sociological concepts that explain social inequalities, enabling them to think sociologically about this issue. In particular, students learn how social structures (for example, class, race/ethnicity, gender and sexuality), social institutions (for instance, the state) as well as interactions between people produce and sustain various forms of inequality.

TFCSOCIO 92F

15 Points

Foundation Sociology 2

Focuses on Aotearoa New Zealand as a multicultural nation produced through colonisation and subsequent waves of migration. Using a range of case studies, the course highlights the role of different cultural norms and values in creating diverse experiences of living in Aotearoa New Zealand. Such divergent realities invite reconsideration of what it means to be a 'New Zealander'.

Theological and Religious Studies

Stage I

THEOREL 101

15 Points

THEOREL 101G

15 Points

The Bible and Popular Culture

An exploration of biblical themes, images, and metaphors

in contemporary film, music and cultural arts through which religion and culture intersect. It develops tools appropriate for analysing popular culture, as it moves from the local to the national to the global.

THEOREL 102

15 Points

Thinking about Religion

What is religion? What are the core beliefs of different religious communities? How have religions responded to the challenges of the modern world? This course explores fundamental questions about meaning, community and identity. It introduces students to central issues and debates in the contemporary study of religion.

THEOREL 106

15 Points

Islam and the Contemporary World

Since the religion of Islam has become a very significant aspect of contemporary global and local societies, this course seeks to introduce students to an understanding of key aspects of Islam and an analysis of its significant contribution to New Zealand society as well as to societies and cultures across the world.

Stage II

THEOREL 200

15 Points

A Major Religious Thinker

In-depth study of a figure whose thought has had a major impact on the development of one or more religious traditions. It includes the critical study of selected texts by the chosen thinker (where these have survived), and of texts and traditions related to the thinker. The figure chosen reflects the research interests of current staff.

Prerequisite: 30 points at Stage I

Restriction: THEOREL 300

THEOREL 201

15 Points

Religions in New Zealand

An exploration of living religions in contemporary New Zealand, surveying the beliefs, traditions and practices that are central to religious groups in New Zealand and their interactions with contemporary culture both locally and globally. The course will introduce students to the comparative study of religion, engaging in such topics as religion and ritual, exploring belief, and interfaith dialogue.

Prerequisite: 30 points at Stage I from the BA Schedule

Restriction: THEOREL 320

THEOREL 202

15 Points

A History of the Apocalypse

An 'apocalypse' is a divine revelation about the shape of history. It is written for a society in crisis, often describing that society's collapse before the coming of a better world. This course traces the development of apocalyptic thought in the religions of the West, from the ancient Middle East through to apocalyptic themes in modern cultures.

Prerequisite: 30 points at Stage I

Restriction: THEOREL 302

THEOREL 206

15 Points

Religion in Film and Television

Explores the ways that religious themes, myths, and imagery are expressed within the narratives of some classic and contemporary films and television dramas. Students will learn skills to identify the articulation of religious beliefs, narratives, and the sacred or transcendent within the medium of film and television, and to discuss critically this cultural engagement with religion.

Prerequisite: 30 points at Stage I

Restriction: THEOREL 306

THEOREL 208 15 Points**Special Topic: Judaism: Identity and Practice**

An exploration of the diverse beliefs and practices found in modern Judaism against the backdrop of wider Jewish history. Students will learn about cultural systems, institutions, and collective and personal rituals. In addition, the course examines the emergence of religious fundamentalism, feminism, and humanism in Judaism.

Prerequisite: 30 points at Stage I from BA Schedule

Restriction: THEOREL 308

THEOREL 209 15 Points**Religious Texts of Terror**

Explores the ways that various forms of violence are evoked and discussed within religious texts and traditions. Students will learn about the origins of these 'texts of terror', and then trace their ongoing influence throughout history and up to the present day across a range of socio-cultural contexts, both global and local.

Prerequisite: 30 points at Stage I from the BA Schedule

Restriction: THEOREL 301

THEOREL 210 15 Points**Religion, Trauma and Suffering**

An exploration of how recent insights into trauma and suffering intersect with theology and religion. Students will learn about ways in which religious narratives and practices have contributed to trauma and suffering, as well as possibilities for resistance and relief. The course will include engagements with trauma and suffering across a range of contexts.

Prerequisite: 30 points at Stage I

Restriction: THEOREL 318

THEOREL 213 15 Points**Special Topic**

Prerequisite: 30 points at Stage I

Restriction: THEOREL 313

THEOREL 214 15 Points**Special Topic**

Prerequisite: 30 points at Stage I

THEOREL 216 15 Points**Early Christianity**

Examines the history of Christianity from its origins in Palestinian and diaspora Judaism through to its official endorsement by the Roman Empire at the end of the fourth century. Explores how various traditions about Jesus evolved, how Christians both accommodated and resisted the wider culture, and how norms for "orthodoxy" (correct teaching) gradually took shape.

Prerequisite: 30 points at Stage I from the BA Schedule

Restriction: THEOREL 316

THEOREL 221 15 Points**Comparative Religion and Society**

Provides an introduction to social theories of religion. An empirical approach to the study of religion, which constructs theories and arguments about its social forms and significance through the collection and analysis of data. Global case studies will be used to consider the power of religion both as a force for social cohesion as well as disruption and social change.

Prerequisite: 30 points at Stage I

Restriction: THEOREL 321

THEOREL 222 15 Points**Religion, Climate Change and Justice**

An exploration of the influence of religion on how we understand and relate to the natural world. Students will

learn about some religious ideas that have contributed to the current climate crisis, as well as the role that religion and spirituality are playing in responses to this crisis.

Prerequisite: 30 points at Stage I

Restriction: THEOREL 322

THEOREL 223 15 Points**How People Became Things: Christianity, Colonisation and Race**

An exploration of theological and religious ideas that supported colonisation and contributed to a wider transformation of identity, land and economics. Students will learn about some of the ideas and beliefs that were integral to the progression of colonialism, as well as the role of religion in various forms of resistance.

Prerequisite: 30 points at Stage I

Restriction: THEOREL 323

Stage III**THEOREL 300 15 Points****A Major Religious Thinker**

In-depth study of a figure whose thought has had a major impact on the development of one or more religious traditions. It includes the critical study of selected texts by the chosen thinker (where these have survived), and of texts and traditions related to the thinker. The figure chosen reflects the research interests of current staff.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 200

THEOREL 301 15 Points**Religious Texts of Terror**

Explores the ways that various forms of violence are evoked and discussed within religious texts and traditions. Students will learn about the origins of these 'texts of terror', and then trace their ongoing influence throughout history and up to the present day across a range of socio-cultural contexts, both global and local.

Prerequisite: 30 points at Stage II from the BA Schedule

Restriction: THEOREL 209

THEOREL 302 15 Points**A History of the Apocalypse**

An apocalypse is a divine revelation about the shape of history. It is written for a society in crisis, often describing that society's collapse before the coming of a better world. This course traces the development of apocalyptic thought in the religions of the West, from the ancient Middle East through to apocalyptic themes in modern cultures.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 202

THEOREL 306 15 Points**Religion in Film and Television**

Explores the ways that religious themes, myths, and imagery are expressed within the narratives of some classic and contemporary films and television dramas. Students will learn skills to identify the articulation of religious beliefs, narratives, and the sacred or transcendent within the medium of film and television, and to discuss critically this cultural engagement with religion.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 206

THEOREL 308 15 Points**Special Topic: Judaism: Identity and Practice**

An exploration of the diverse beliefs and practices found in modern Judaism against the backdrop of wider Jewish history. Students will learn about cultural systems,

institutions, and collective and personal rituals. In addition, the course examines the emergence of religious fundamentalism, feminism, and humanism in Judaism.

Prerequisite: 30 points at Stage II from BA Schedule

Restriction: THEOREL 208

THEOREL 309 15 Points
Directed Study 1

Provides students with the possibility of undertaking directed study of a topic in Theological and Religious Studies approved by the Academic Head and directed by a member of academic staff with relevant expertise.

Prerequisite: 30 points at Stage II from the BA Schedule

THEOREL 310 15 Points
Directed Study 2

Provides students with the possibility of undertaking directed study of a topic in Theological and Religious Studies approved by the Academic Head and directed by a member of academic staff with relevant expertise.

Prerequisite: 30 points at Stage II from the BA Schedule

THEOREL 313 15 Points
Special Topic

Prerequisite: 30 points at Stage II

Restriction: THEOREL 213

THEOREL 314 15 Points
Special Topic

Prerequisite: 30 points at Stage II

THEOREL 316 15 Points
Early Christianity

Examines the history of Christianity from its origins in Palestinian and diaspora Judaism through to its official endorsement by the Roman Empire at the end of the fourth century. Explores how various traditions about Jesus evolved, how Christians both accommodated and resisted the wider culture, and how norms for “orthodoxy” (correct teaching) gradually took shape.

Prerequisite: 30 points at Stage II in the BA Schedule

Restriction: THEOREL 216

THEOREL 318 15 Points
Religion, Trauma and Suffering

An exploration of how recent insights into trauma and suffering intersect with theology and religion. Students will learn about ways in which religious narratives and practices have contributed to trauma and suffering, as well as possibilities for resistance and relief. The course will include engagements with trauma and suffering across a range of contexts.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 210

THEOREL 319 15 Points
Theory and Method in Religious Studies

Examines key theories and methods used in the multidisciplinary study of religion. Although dedicated to social-scientific theories of religion, it also covers textual, historical, feminist/queer, and psychological theories. It will provide students with a critical understanding of the diversity of approaches used in the field and raise awareness about the possibilities for framing their own research.

Prerequisite: 30 points at Stage II from the BA Schedule

THEOREL 320 15 Points
Religion in New Zealand

An exploration of living religions in contemporary New Zealand, surveying the beliefs, traditions and practices

that are central to religious groups in New Zealand and their interactions with contemporary culture both locally and globally. Comparative study of religion in New Zealand, in such topics as religion and ritual, exploring belief, and interfaith dialogue.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 201

THEOREL 321 15 Points
Comparative Religion and Society

Examines the social theories of religion. An empirical approach to the study of religion, which constructs theories and arguments about its social forms and significance through the collection and analysis of data. Global case studies will be used to consider the power of religion both as a force for social cohesion as well as disruption and social change.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 221

THEOREL 322 15 Points
Religion, Climate Change and Justice

An exploration of the influence of religion on how we understand and relate to the natural world. Students will learn about some religious ideas that have contributed to the current climate crisis, as well as the role that religion and spirituality are playing in responses to this crisis.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 222

THEOREL 323 15 Points
How People Became Things: Christianity, Colonisation and Race

An exploration of theological and religious ideas that supported colonisation and contributed to a wider transformation of identity, land and economics. Students will learn about some of the ideas and beliefs that were integral to the progression of colonialism, as well as the role of religion in various forms of resistance.

Prerequisite: 30 points at Stage II

Restriction: THEOREL 223

Theology

Postgraduate 700 Level Courses

THEOLOGY 780 30 Points

THEOLOGY 780A 15 Points

THEOLOGY 780B 15 Points

Dissertation - Level 9

A supervised dissertation for BTheol(Hons) students designed to help them to engage with a research question in the area of Theology.

To complete this course students must enrol in THEOLOGY 780 A and B, or THEOLOGY 780

THEOLOGY 781 15 Points
Research Essay

A supervised research essay designed to help Postgraduate Diploma students engage with a research question in Theology.

Restriction: BSTHEO 789

THEOLOGY 782 15 Points
Research Essay

A supervised research essay designed to help Postgraduate Diploma students engage with a research question in the area of Practical Theology.

THEOLOGY 796A	60 Points
THEOLOGY 796B	60 Points
Thesis - Level 9	

The thesis of approximately 35,000 words should embody the results obtained by the candidate in an investigation relating to the subject.

Restriction: BSTHEO 796, CTHTHEO 796, PTHEO 796

To complete this course students must enrol in THEOLOGY 796 A and B

Tongan

Stage I

TONGAN 101	15 Points
TONGAN 101G	15 Points

Tongan Language 1

Gives students an introduction to the structure of Tongan as well as allowing them to develop basic language skills in listening, speaking, reading and writing. Designed for students with little or no knowledge of the language, and for those with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Stage II

TONGAN 201	15 Points
Tongan Language 2	

Extends language fluency developed in TONGAN 101 by progressively introducing more challenging reading and writing tasks, such as narrating myths and legends and describing aspects of Tongan culture.

Prerequisite: TONGAN 101

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

TONGAN 203	15 Points
Special Topic	

Stage III

TONGAN 301	15 Points
Tongan Language 3	

Extends the level of fluency and literacy developed in TONGAN 201. Skills in oral and written Tongan will be extended through intensive study of Tongan history and culture.

Prerequisite: TONGAN 201

TONGAN 303	15 Points
Special Topic	

Transdisciplinary Democracy

Stage I

TDDEM 100	15 Points
Democracy in the 21st Century	

Examines the challenges to democracy in New Zealand and globally arising from high inequality, the changing information environment, and authoritarian movements. Uses a transdisciplinary approach to understand the interplay of economic, legal, technological, and cultural factors. Explores innovative ideas for ensuring democratic integrity and building more inclusive, equitable, and participatory democracies.

Transdisciplinary Tagata Moana, Tangata Whenua: Hawaiki Futures

Stage I

TDMOANA 100	15 Points
Tagata Moana, Tangata Whenua: Hawaiki Futures	

Explores Māori and Pacific futurities, the futures that are designed and embodied in the present in response to over a century of colonialism and the ravages of global capitalism. Working together, students will engage with current circumstances and envision beyond them, focusing on sustainable communities and environments, physical and cultural wellbeing, and social justice and equity.

Translation Studies

Stage I

TRANSLAT 100	15 Points
TRANSLAT 100G	15 Points

Translation for Global Citizens

Covers the foundations of translation and interpreting as an academic discipline and as a critically important communication enabler which serves a multicultural and multilingual society. The course is designed to equip monolingual students, as well as students with language skills, with the literacy in translation and interpreting increasingly needed to navigate today's globalised world and to detect and overcome communication gaps in diverse business and private contexts.

TRANSLAT 101	15 Points
Interpreting for Communities	

Introduces students to the practice and theory of community interpreting in a variety of settings. Weekly sessions will provide specific pointers concerning intercultural and interlingual communication such as institutional discourse, power imbalances, ethics, perceptions of role and performance. Practice-oriented training will also be included to build the skill basis towards advancing to competent community interpreters.

Postgraduate 700 Level Courses

TRANSLAT 700	30 Points
Digital Translation - Level 9	

Equips students with highly specialised theoretical and practical skills in audiovisual translation (AVT) and localisation. Develops specialised skills and knowledge needed to translate software, websites and audiovisual content. Covers the distinctive characteristics of digital texts. Develops the skills required to address the specific characteristics of digital source texts. Students will be exposed to the latest scholarship and develop an advanced critical understanding of localisation tools and tools to facilitate subtitling.

Restriction: TRANSLAT 715

TRANSLAT 712	30 Points
Computer-aided Translation (CAT) Tools	

Introduces students to a wide range of computer skills for professional translators. Participants will learn how to set up an efficient professional IT environment and how to use software solutions to improve both the quality and the productivity of their work. Special emphasis will be placed on the generation and management of domain-specific terminology. In addition, this course provides students

with an overview of and hands-on experience in the use of market-leading translation memory systems, namely SDL Trados.

Restriction: TRANSLAT 710, 723

TRANSLAT 713 30 Points

Community Translation and Interpreting

Equips students with translation and interpreting skills and knowledge needed to communicate public service information to multilingual and multicultural communities, for example, in healthcare and legal settings and in disaster scenarios. Provides training on terminology, notetaking and memory management complements the knowledge of professional ethics and community management. Students will become aware of wider social roles played by translators and interpreters.

Restriction: TRANSLAT 601, 602, 704, 706

TRANSLAT 715 30 Points

Audiovisual Translation

Equips students with theoretical and practical dimensions of audiovisual translation (AVT). Examines the rapid development of AVT in recent times that encompasses media and information accessibility issues for immigrants, the deaf and hard-of-hearing as well as the blind and visually impaired. Students will gain some hands-on experience of interlingual and intralingual subtitling, facilitated by technology.

Restriction: TRANSLAT 700

TRANSLAT 716 30 Points

Chinese Specialised Translation

Develops students' competence in understanding and producing specialised texts in English and Chinese. Translate materials in a variety of subject areas, such as trade, tourism, science, medicine or finance, and in different text types. Emphasis is on longer texts that require the acquisition of subject knowledge and in-depth terminology research. Introduced to professional ethics.

Restriction: CHINESE 747, 748, TRANSLAT 300

TRANSLAT 717 30 Points

German Specialised Translation

Develops students' competence in understanding and producing specialised texts in English and German. Translate materials in a variety of subject areas, such as trade, tourism, science, medicine or finance, and in different text types. Emphasis is on longer texts that require the acquisition of subject knowledge and in-depth terminology research. Introduced to professional ethics.

Restriction: GERMAN 747, 748

TRANSLAT 718 30 Points

Japanese Specialised Translation

Develops students' competence in understanding and producing specialised texts in English and Japanese. Translate materials in a variety of subject areas, such as trade, tourism, science, medicine or finance, and in different text types. Emphasis is on longer texts that require the acquisition of subject knowledge and in-depth terminology research. Introduced to professional ethics.

Restriction: TRANSLAT 747

TRANSLAT 719 30 Points

Translation Theories and Paradigms

A critical analysis of key theories and paradigms of translation. The examination of a broad range of perspectives will facilitate the awareness that the act and the process of translation are multifaceted. These encompass history, culture, gender and technology as well

as translation competence. Analysis and applies different paradigms to translation phenomena.

Restriction: TRANSLAT 702, 703

TRANSLAT 720 30 Points

Translation Portfolio - Level 9

A practical application of the student's prior learning in key paradigms and issues in translation studies, presented in the form of a learning portfolio. Portfolios will contain five pieces of advanced translation work, involving at least three different text types (scientific, technical, legal, medical, literary etc). Students may choose different levels of human-intervention, ranging from post-editing of machine translated texts to transcreation.

Prerequisite: TRANSLAT 712, 719 and 30 points from FRENCH 720, ITALIAN 702, MĀORI 712, SPANISH 723, TRANSLAT 716, 717, 718, 726

TRANSLAT 725 15 Points

Research Essay

A supervised research essay or project on a specific topic in Translation Studies.

TRANSLAT 726 30 Points

TRANSLAT 726A 15 Points

TRANSLAT 726B 15 Points

Translation Project - Level 9

A supervised research project on a topic in Translation Studies.

To complete this course students must enrol in TRANSLAT 726 A and B, or TRANSLAT 726

TRANSLAT 727 45 Points

TRANSLAT 727A 22.5 Points

TRANSLAT 727B 22.5 Points

Translation Project

A supervised research project on a topic in Translation Studies.

To complete this course students must enrol in TRANSLAT 727 A and B, or TRANSLAT 727

TRANSLAT 728 15 Points

Special Topic

TRANSLAT 729 15 Points

Special Topic

TRANSLAT 777 30 Points

Study Abroad

Formal study in an approved overseas university. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Programme Coordinator. Enrolment requires the approval of the Programme Coordinator.

TRANSLAT 778 30 Points

Study Abroad

Formal study in an approved overseas university. Supplementary study at the University of Auckland may be required as part of this course. The final grade will be determined by formal assessment of student achievement by the Programme Coordinator. Enrolment requires the approval of the Programme Coordinator.

TRANSLAT 791 60 Points

TRANSLAT 791A 30 Points

TRANSLAT 791B 30 Points

Dissertation - Level 9

To complete this course students must enrol in TRANSLAT 791 A and B, or TRANSLAT 791

TRANSLAT 792	45 Points
TRANSLAT 792A	22.5 Points
TRANSLAT 792B	22.5 Points
Dissertation - Level 9	

To complete this course students must enrol in TRANSLAT 792 A and B, or TRANSLAT 792

Waipapa Taumata Rau

Stage I

WTR 100	15 Points
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Waipapa Taumata Rau

Ko Waipapa Taumata Rau tātou. Welcome to your study at Waipapa Taumata Rau | The University of Auckland. This core course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. It provides foundational essential skills to support you in your first year and future studies.

Restriction: SCIGEN 102, 102G, WTR 101, WTRBUS 100, WTRENG 100, WTRMHS 100, WTRSCI 100

WTR 101	15 Points
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Waipapa Taumata Rau

Ko Waipapa Taumata Rau tātou. Welcome to your study at Te Tai Tokerau. This core course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. It provides foundational essential skills to support you in your first year and future studies.

Restriction: SCIGEN 102, 102G, WTR 100, WTRBUS 100, WTRENG 100, WTRMHS 100, WTRSCI 100

Youth Work

Stage I

YOUTHWRK 152	15 Points
YOUTHWRK 152G	15 Points

Understanding New Zealand Youth

Examines the concept of 'youth' and the historical, economic and political contexts in which young people live and are schooled in New Zealand society. The concept of youth is explored as a fundamental aspect of human development, identity and culture. The ways that we learn about what it is to be a young person in New Zealand today, including sport, body image, media, music, technology and social networking will be explored.

Stage II

YOUTHWRK 281	15 Points
Special Topic	

Stage III

YOUTHWRK 381	15 Points
Special Topic	

FACULTY OF BUSINESS AND ECONOMICS

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Faculty of Business and Economics

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Accounting

Stage I

ACCTG 101

15 Points

Accounting Information

Business decisions require accounting information. This course examines the analysis and interpretation of general-purpose financial statements. It assesses financing and investment decisions and covers the role of accounting information to support planning and control.

ACCTG 102

15 Points

Accounting Concepts

Basic principles and concepts of accounting that underlie the production of information for internal and external reporting. This course provides the technical platform for second year courses in financial and management accounting, finance, and accounting information systems.

Prerequisite: ACCTG 101 or BUSINESS 114

ACCTG 151G

15 Points

Financial Literacy

People who understand the basic principles of finance are likely to get much more mileage out of their money – whether spending, borrowing, saving or investing – than those who do not. Develop an understanding of how to be in control of spending and saving; understand borrowing; make informed investment decisions; know broadly what to insure and what not to; recognise scams and consider whether money is the key to happiness.

Restriction: May not be taken by students with a concurrent or prior enrolment in Accounting or Finance courses

Stage II

ACCTG 211

15 Points

Financial Accounting

Develops an understanding of factors influencing the development of New Zealand International Financial Reporting Standards (NZ IFRS). Applies a selection of NZ IFRS including accounting for leases, accounting for business combinations, and preparing group financial statements.

Prerequisite: ACCTG 102

ACCTG 221

15 Points

Cost and Management Accounting

Budgets and standards, costing systems, cost information for decision-making and control, performance appraisal, and contemporary related issues.

Prerequisite: ACCTG 102

ACCTG 222

15 Points

Accounting Information Systems

Encompasses the development and distribution of economic information about organisations for internal and external decision-making. Major themes include: objectives and procedures of internal control, the database approach to data management, data modelling, typical business documents and reports and proper system documentation through data flow diagrams and flowcharts.

Prerequisite: ACCTG 102, INFOSYS 110

Stage III

ACCTG 300

15 Points

Directed Study

ACCTG 311

15 Points

Financial Accounting

Explanatory and prescriptive theories of accounting provide the context for an examination of the determinants of financial reporting practice in New Zealand with special reference to accounting for pensions, foreign currency, deferred tax and financial instruments. Issues in international accounting and professional ethics are also addressed.

Prerequisite: ACCTG 211

ACCTG 312

15 Points

Auditing

An introduction to the audit of financial statements. The objective of an audit is to add credibility to the information contained in the financial statements. Emphasises the auditor's process in determining the nature and amount of evidence necessary to support management's assertions and providing a report expressing the auditor's opinion on the fair presentation of the client's financial statements.

Prerequisite: ACCTG 211, 222

ACCTG 321

15 Points

Strategic Management Accounting

A study of the design of revenue and cost management systems to facilitate strategic decisions. This includes activity-based costing and activity-based management. The learning environment is student-centred with the seminar leader's role being that of facilitator rather than lecturer. Students work not only as individuals but also in teams. The learning environment is a combination of lectures, case studies and related readings.

Prerequisite: ACCTG 221

ACCTG 323

15 Points

Performance Measurement and Evaluation

The design of performance measurement frameworks such as the Balanced Scorecard incorporating strategy maps and alignment principles. Methods of performance analysis will cover ratios, weighting systems and Data Envelopment Analysis. Evaluation principles and methods will include internal audit perspectives around project and programme evaluation, cost-benefit analysis, randomised control tests and value-for-money.

Prerequisite: 30 points passed at Stage II

ACCTG 331

15 Points

Revenue and Cost Management

Revenue management concepts and techniques and their support by cost management systems are studied with particular reference to service organisations. The range of services encompasses both private and public sector organisations. Components include: yield management,

pricing, linear programming, project management, valuation principles and methodologies.

Prerequisite: ACCTG 221

ACCTG 371 15 Points
Financial Statement Analysis

How is financial statement information used to evaluate a firm's performance, risk and value? An opportunity to examine this question and to gain experience in evaluating performance, assessing risk and estimating value.

Prerequisite: ACCTG 211, FINANCE 251

ACCTG 381 15 Points
Special Topic

ACCTG 382 15 Points
Special Topic

Postgraduate 700 Level Courses

ACCTG 701 15 Points
Research Methods in Accounting

The theory and application of modern research methods in accounting. The content will include the philosophy, process and design of scientific research. Prior knowledge of basic statistical techniques is assumed.

Restriction: FINANCE 701

ACCTG 702 15 Points
Governance Issues in Accounting

An introduction to the economic literatures relating to property rights, transaction cost economics, and agency theory. Application of these notions to the way in which organisations are structured. Identification of why some transactions are internalised and some are undertaken through markets. The application of these ideas to financial and managerial accounting.

Restriction: FINANCE 702

ACCTG 703 15 Points
Directed Study

ACCTG 707 15 Points
Applied Accounting Research - Level 9

Provides an overview and application of contemporary theories and research practices in a chosen accounting specialist field through an independently authored and presented research project.

Prerequisite: ACCTG 701

Restriction: FINANCE 707

ACCTG 708 15 Points
Fraud Auditing and Forensic Accounting

Investigates key research and practical issues in forensic accounting and fraud auditing. Identifies and examines critical components of the financial and legal landscape, aimed at detecting, preventing, and investigating financial fraud and misconduct.

ACCTG 709 15 Points
Sustainability Accounting Research

Examines the theoretical and empirical literature on sustainability accounting, including social and environmental reporting, assurance, and internal accounting to support external reporting.

ACCTG 711 15 Points
Financial Accounting Research

A study of the contracting-cost theories of accounting policy choice and the related empirical literature. It focuses on agency and efficient contracting explanations for accounting choice. In particular, the course explores

the role of accounting in contracts between parties to the firm (e.g., manager, shareholders, debtholders, customers etc). The political process is also analysed to determine the impact on accounting policy choice. Incentives for managers to manipulate earnings under various economic settings are examined and the implications of this behaviour for accounting policy makers are analysed.

ACCTG 714 15 Points
Contemporary Auditing Research

An examination of the theoretical and empirical literature relating to the demand and supply of auditing, theoretical support for auditing activity, measures of audit quality and related topics.

ACCTG 721 15 Points
Research in Management Control

Provides an insight into the theoretical and empirical literature relating to management planning and control in private and public sector organisations. Explores the relationship between strategy, organisation design, and performance measurement and evaluation.

ACCTG 722 15 Points
Research in Revenue and Cost Management

An examination of revenue and cost management arising from changes in competitive environments. Includes recent research on the design of revenue and cost management systems including developments such as theory of constraints in manufacturing, service and public sector organisations.

ACCTG 759 30 Points
Applied Research Consultancy Project - Level 9

An applied practical opportunity for students to work with a New Zealand or international business or organisation in a consulting capacity to apply their advanced disciplinary knowledge and to develop research-informed strategic recommendations for a client.

ACCTG 771 15 Points
Accounting Information and Capital Markets

The study of issues in evaluating accounting information and the use of accounting information by investors and analysts. This includes the examination of the empirical relationship between accounting earnings and share prices and the relationship between financial statement analysis and market efficiency. Perceived market failures will be analysed.

ACCTG 780 15 Points
Special Topic: Sustainability Accounting and Integrated Reporting

Examines the theoretical and empirical literature on the role of sustainability accounting and integrated reporting and the determinants for the supply and demand for non-financial reporting and how this has evolved over time.

ACCTG 781 15 Points
Special Topic: Efficiency and Productivity Measurement

Productivity and efficiency are core fundamentals across the spectrum encompassing individuals, organisations and economies. This course provides a theoretical structure for efficiency and productivity measurement and examines empirical models for estimating efficiency and productivity and analysing their underlying determinants.

ACCTG 782 15 Points
Special Topic

ACCTG 786 Special Topic	15 Points
ACCTG 788 Research Project - Level 9 <i>Restriction: ACCTG 789</i>	30 Points
ACCTG 790 Research Project - Level 9	30 Points
ACCTG 791	60 Points
ACCTG 791A	30 Points
ACCTG 791B	30 Points
Dissertation - Level 9 <i>To complete this course students must enrol in ACCTG 791 A and B, or ACCTG 791</i>	
ACCTG 796A	60 Points
ACCTG 796B	60 Points
Thesis for MCom - Level 9 <i>To complete this course students must enrol in ACCTG 796 A and B</i>	

Business

Stage I

BUSINESS 111 Understanding Business	15 Points
Business involves creating and capturing different forms of value for diverse stakeholders. Considers customers and markets, and the wider context within which business operates. Develops an understanding of innovation and entrepreneurship and how to manage people. Develops personal and professional capabilities needed in business, including strategies to manage self and work effectively with others. <i>Restriction: BUSINESS 101, MGMT 301</i>	

BUSINESS 112 Managing Sustainable Growth 1	15 Points
Develops understanding of how to manage people, processes and resources for the benefit of business and society. Focuses on the decisions and trade-offs involved in growing a business, managing customer relationships, and competing in international markets. Explores strategies to enhance productivity and ensure sustainability, and how legal tools can be used to protect value. <i>Prerequisite: BUSINESS 111 and 15 points from SCIGEN 102, 102G, WTR 100, 101, WTRBUS 100, WTRENG 100, WTRMHS 100, WTRSCI 100</i>	

BUSINESS 113 Managing Sustainable Growth 2	15 Points
Develops understanding of how to manage people, processes and resources for the benefit of business and society. Focuses on innovation and entrepreneurship, growing a business, managing customer relationships, competing in international markets, strategies to enhance productivity and ensure sustainability, and how to protect value. Develops professional capabilities by engaging students in assessing a 'real world' case and proposing solutions and recommendations. <i>Prerequisite: BUSINESS 111 and 15 points from SCIGEN 102, 102G, WTR 100, 101, WTRBUS 100, WTRENG 100, WTRMHS 100, WTRSCI 100</i> <i>Restriction: BUSINESS 102, 112</i>	

BUSINESS 114 Accounting for Decision Making	15 Points
Examines how understanding financial, non-financial and legal information is critical to business decision making. Considers the accounting and legal requirements, issues and mechanisms that impact management of an organisation. Develops skills in analysing, interpreting and communicating accounting information. <i>Restriction: ACCTG 101</i>	
BUSINESS 115 Economics, Markets and Law	15 Points
Considers how the economic and legal environment affects individuals, businesses, markets and the global economy. Explores the meaning and impact of price fluctuations, interest rate changes, exchange rate movements and balance of payments problems, standard of living comparisons, regional trading agreements, and regulatory and legal mechanisms and constraints. <i>Restriction: ECON 101, 111, 151, 151G, 191</i>	

BUSINESS 151 Communication in a Multicultural Society	15 Points
Communication knowledge and skills are essential in business careers and for interpersonal and intercultural relationships. This course offers a theory-based approach combined with applied communication practices. Communication knowledge, competencies and skills are developed through exploring relationships, mediated communication, writing, team dynamics, oral presentation and technologies. <i>Restriction: BUSINESS 101 or 111</i>	

Stage II

BUSINESS 200 Understanding Business Context	15 Points
Equips students with an appreciation of the forces and actors at work beyond the market. In order to compete in the marketplace firms need to understand their nonmarket context - culture, law, regulations, politics and the physical environment - which all affect business opportunities and strategies. In turn, businesses can influence their environment, both through deliberate nonmarket strategies and as a result of their core operations. <i>Prerequisite: 15 points from BUSINESS 102, 112, 113, MGMT 101</i> <i>Restriction: INTBUS 210, MGMT 231</i>	

BUSINESS 201 Special Topic	15 Points
BUSINESS 202 Business Consulting	15 Points
Teams will apply multidisciplinary knowledge to solve complex problems in business scenarios. Builds skills in interpreting and presenting business information, project management, ethical decision-making and working in teams. Develops and advances core knowledge, including goals and strategy, organisational culture and structure, marketing, legal analysis, operations and supply chain management, within a dynamic macroeconomic environment. <i>Prerequisite: 45 points from BUSINESS 112, 113, 114, 115 or ECON 152</i>	

BUSINESS 210 Study Abroad 2A	15 Points
Course taken at an approved academic institution abroad. <i>Prerequisite: Academic Head or nominee approval</i>	

BUSINESS 211 Study Abroad 2B Course taken at an approved academic institution abroad. <i>Prerequisite:</i> Academic Head or nominee approval	15 Points	BUSINESS 328 Special Topic <i>Prerequisite:</i> 30 points in Management or International Business or Innovation and Entrepreneurship <i>Restriction:</i> BUSINESS 309	15 Points
BUSINESS 291 Communication Processes Employers are demanding business school graduates with strong communication skills. Covers the theory and process of communication in today's knowledge and information intensive organisations. Develops oral and written communication skills, including professional presentations. Focuses on the role of interpersonal and team-based communication in building more effective business relationships. <i>Prerequisite:</i> 15 points from BUSINESS 102, 112, 113, 192, MGMT 101, 192 <i>Restriction:</i> MGMT 291	15 Points	BUSINESS 350 Business Simulation An integrated team-based capstone experience based on a business simulation requiring students to demonstrate their ability to work collaboratively as they engage in strategic decision-making. <i>Prerequisite:</i> BUSINESS 202 and 30 points at Stage III from BCom courses <i>Restriction:</i> BUSINESS 351-353	15 Points
Stage III		BUSINESS 351 Industry Case A challenging 'real world' business case project requiring demonstration of personal and professional skills as teams assess a situation, propose solutions and communicate recommendations. <i>Prerequisite:</i> BUSINESS 202 and 30 points at Stage III from BCom courses <i>Restriction:</i> BUSINESS 350, 352, 353	15 Points
BUSINESS 300 Directed Study	15 Points	BUSINESS 352 Internship and Report A project-based internship with a company or other appropriate organisation requiring written and oral reports of findings. <i>Prerequisite:</i> BUSINESS 202 and 30 points at Stage III from BCom courses <i>Restriction:</i> BUSINESS 350, 351, 353	15 Points
BUSINESS 301 Special Topic: Future17 Students will collaborate in international teams with peers across several universities to diagnose and propose innovative solutions to challenges presented by third-party organisations that fit within the United Nations Sustainable Development Goals. Skills in interdisciplinary and intercultural collaboration and Design Thinking are developed alongside academic mentors and third-party professionals. The course is delivered in collaboration with global Future17 partner universities.	15 Points	BUSINESS 353 Research Project <i>Prerequisite:</i> BUSINESS 202 and a Grade Point Average of 6.0 or higher in 30 points at Stage III from BCom courses <i>Restriction:</i> BUSINESS 350, 351, 352	15 Points
BUSINESS 302 Special Topic	15 Points	Postgraduate 700 Level Courses	
BUSINESS 303 Special Topic	15 Points	BUSINESS 704 Quantitative Research Methods Students will become familiar with underlying theory and current best practice in quantitative research through discussion and application of topics including measurement, design (including survey design), and computer-based data analysis. <i>Prerequisite:</i> BUSINESS 710 <i>Restriction:</i> MKTG 703, 704	15 Points
BUSINESS 307 Project Management and Report Writing Develops knowledge and skills in project management and report writing which will underpin BUSINESS 308 Internship and Report. <i>Prerequisite:</i> BUSINESS 309, INNOVENT 201, 303	15 Points	BUSINESS 705 Qualitative Research Methods Students will become familiar with current theory and practice as well as methodological debates in the use of qualitative methodologies, including ethnography, case studies, archival research, participant observation, interview and focus group methods, as well as transcription and analysis. A workshop on coding qualitative data will be included. <i>Prerequisite:</i> BUSINESS 710 or PSYCH 744 <i>Restriction:</i> MKTG 703, 704	15 Points
BUSINESS 308 Internship and Report Develops practical knowledge and hands-on experience through a supervised internship and project in an innovative, entrepreneurial organisation. <i>Prerequisite:</i> BUSINESS 309, INNOVENT 201, 303	30 Points	BUSINESS 708 Special Topic	15 Points
BUSINESS 310 Study Abroad 3A Course taken at an approved academic institution abroad. <i>Prerequisite:</i> Academic Head or nominee approval	15 Points	BUSINESS 709 Special Topic	15 Points
BUSINESS 311 Study Abroad 3B Course taken at an approved academic institution abroad. <i>Prerequisite:</i> Academic Head or nominee approval	15 Points		
BUSINESS 312 Study Abroad 3C Course taken at an approved academic institution abroad. <i>Prerequisite:</i> Academic Head or nominee approval	15 Points		

BUSINESS 710 **15 Points**
Conducting Research
 The pursuit of new knowledge requires the ability to recognise and design appropriate and robust research studies. Students explore the principles and practices of research design, including the fundamentals of where knowledge comes from; if and to what degree we can be certain about our findings; the ethics of research activities; and how a topic might be investigated from multiple approaches and philosophical perspectives.

BUSINESS 711 **15 Points**
Advanced Quantitative Research Methods
 An advanced seminar on recent developments in the application of quantitative methods in business research.
Prerequisite: BUSINESS 704, 710, or Head of Department approval

BUSINESS 712 **15 Points**
Advanced Qualitative Research Methods
 An advanced seminar on recent developments in the application of qualitative methods in business research.
Prerequisite: BUSINESS 705, 710, or Head of Department approval

BUSINESS 713 **15 Points**
Responsible Business
 Develops awareness of the significance of connections with place in Aotearoa New Zealand for thriving and equitable communities, sustainable and enduring partnerships, and flourishing relationships through principled action. Equips students with practical knowledge and skills for advanced study in their subject, transdisciplinary work and student-led engagement.

BUSINESS 714 **15 Points**
Advanced Consulting Methods - Level 9
 Prepares students for an applied research consulting project to be conducted with a company or client. Develops an understanding of the consulting role, client engagement process, solution development, and presentation techniques. Introduces tools and frameworks required to engage in consultancy work, including problem framing, identifying, and employing appropriate methodologies, and developing and presenting solutions to specific problems.

Business Accounting

Postgraduate 700 Level Courses

BUSACT 701 **15 Points**
Commercial and Corporate Law
 Examines the impact of the law on decision making and management of an organisation. Develops the ability to identify legal requirements, issues and mechanisms critical to managing the risk/reward profile of the firm and achieving its strategic objectives.
Prerequisite: BUSACT 731, BUSMGT 709, or BUSMGT 731-733, 735

BUSACT 702 **15 Points**
Accounting Information Systems - Level 9
 Independently manages applied accounting information projects using specialised and advanced problem-solving skills. Students will research and critically assess major information risks and opportunities facing businesses, demonstrating an integrated understanding of relevant theories and approaches. Students will provide well-

justified recommendations to address the issues identified to improve company decision making.
Prerequisite: BUSACT 703, 704 and BUSMGT 707, or BUSMGT 731-733, 735

BUSACT 703 **15 Points**
Taxation for Business
 Provides an overview of the Income Tax Act and the Goods and Services Tax Act and how they are relevant to taxpayers. Topics covered include the nature of income, taxation of common types of income, the deduction and prohibition of various types of expenses, tax accounting issues, provisional tax, rebates, PAYE system, tax returns, and an introduction to GST.
Prerequisite: BUSACT 701, 732, 734, or BUSMGT 731-733, 735

BUSACT 704 **15 Points**
Auditing for Business
 Provides an understanding of the audit of financial statements that lends support to their credibility. Emphases will be on the audit process, including the planning stage to the issuing of the audit opinion.
Prerequisite: BUSACT 701, 732, 734, or BUSMGT 731-733, 735

BUSACT 705 **15 Points**
Capstone Project for MProfAcctg - Level 9
 Provides opportunities to extend and integrate the understanding of theoretical and practical issues in accounting through a 'real-world' business case. Involves the assessment of risk, cost of capital, financial analysis of performance, forecasting, and the development of recommendations for change and/or improvement.
Prerequisite: BUSACT 703, 704 and BUSMGT 707, or BUSMGT 731-733, 735

BUSACT 731 **15 Points**
Financial Reporting
 Provides an overview of financial accounting principles within New Zealand and the understanding and application of New Zealand Financial Reporting Standards. Focuses on the role financial statements play in investment, analysis and contracting decisions.
Prerequisite: BUSMGT 713

BUSACT 732 **15 Points**
Business Finance
 Examines the functions of the markets for real and financial assets, and their valuation. Focuses on the various techniques that financial managers can create wealth for shareholders and stakeholders.
Prerequisite: BUSACT 731, BUSMGT 709
Restriction: BUSMGT 732

BUSACT 734 **15 Points**
Strategic Management Accounting
 Explores the pivotal role of strategic management accounting in fostering sustainable value creation and informed strategic choices. Assess strategic cost management tools, budgetary control systems, and performance measurement via practical projects. Delve into revenue and cost management system design, budget analysis, costing, decision-making systems, performance assessment, and contemporary issues.
Prerequisite: BUSACT 731, BUSMGT 709
Restriction: BUSMGT 734

Business Analytics

Stage I

BUSAN 101 15 Points

Data Visualisation Essentials

Master the art of data visualisation. Students will be empowered with the practical skills and insights needed to succeed in data visualisation for impactful communication. Through hands-on learning, participants will perfect the skill of selecting the right chart types, crafting visually compelling data representations, and navigating common pitfalls with finesse.

Restriction: BUSAN 301

Stage II

BUSAN 200 15 Points

Business Analytics

An introduction to data-driven decision-making. Develops skills in using data analysis methods and tools for analysing information. Equips students to apply modelling skills in a variety of decision-making applications relevant to business.

Prerequisite: 15 points from ECON 221, ENGSCI 211, STATS 101, 108, and 15 points from COMPSCI 101, 107, 130, INFOMGMT 192, INFOSYS 110

Restriction: INFOMGMT 290

BUSAN 201 15 Points

Data Management

Rapid advancements in computing power and data storage capacity has changed how digital data is created, stored, consumed, and managed. As a result, business data exists in many formats and representations. Students will be equipped with contemporary data management tools and exploratory techniques to realise the value of data as a business asset.

Prerequisite: 15 points from COMPSCI 101, 107, 130, INFOMGMT 192, INFOSYS 110

Restriction: INFOMGMT 292

Stage III

BUSAN 300 15 Points

Data Wrangling and Big Data

Organisations are increasingly adopting big data analysis, predictive analytics, social data mining, and deep machine learning to gain business intelligence and insight. The value of such technologies relies on having high-quality data, yet raw data is messy and its transformation to add value is often neglected. Students will explore a data wrangling toolbox to add value to data.

Prerequisite: 15 points from BUSAN 201, INFOMGMT 292, INFOSYS 222

Restriction: INFOMGMT 390

BUSAN 302 15 Points

Machine Learning

Provides essential skills required to obtain data-driven insights that augment business decisions across a variety of application areas. This involves the identification of the problem, and implementation of effective data visualisations and appropriate machine learning models using cloud-based data analytics tools. Key concepts around big data will also be introduced.

Prerequisite: BUSAN 200 and 15 points from BUSAN 201, INFOMGMT 292, INFOSYS 222

Restriction: INFOMGMT 393, INFOSYS 330

BUSAN 303 15 Points
Special Topic

BUSAN 305 15 Points

Simulation Modelling

Uncertainty exists in all management decisions and simulation is used for analysing systems in industry. Focuses on modelling real-world problems using a commercial simulation tool and the application of skills through industrial case studies. Topics include the simulation process, general queue modelling, modelling networks (computer or transportation networks) and simulating operations (machine scheduling or assembly line modelling).

Prerequisite: 15 points from BUSAN 200, ECON 221, ENGSCI 255, INFOMGMT 290, OPSMG 255, 258, STATS 201-290

Restriction: OPSRES 385

BUSAN 306 15 Points

Directed Study

BUSAN 307 15 Points

Professional Business Analytics

Focuses on the design and development of end-to-end analytics solutions to business problems. Engages students in issues and challenges relating to problem definition, selection of data analytics tools and techniques, and strategies for ensuring the effective communication of data insights to stakeholders. Develops strategic mindset and teamwork skills.

Prerequisite: BUSAN 200, 201, and BUSAN 300 or 302

Business Development

Postgraduate 700 Level Courses

BUSDEV 711 15 Points

Business in a Changing World

Examines the implications of disruptive technologies such as AI, blockchain and deep learning. Focuses on enabling managers to understand various disruptive trends such as aging populations, global shifts in economic power and urbanisation. Analytical tools, concepts and perspectives are provided which help managers analyse and put forward recommendations on how to navigate disruptive trends and technologies.

BUSDEV 712 15 Points

Financial Management

Develops an understanding of the financial implications of the decisions managers make and methods for ensuring clear communication of those decisions to various primary and secondary stakeholders. Fundamental techniques and tools required to manage finances and accounts are examined including assessing business feasibility, identifying suitable sources of financing and effectively communicating financial performance information.

Restriction: BUSADMIN 765, 775

BUSDEV 713 15 Points

Sustainable Value Chains

Explores the reasons for creating value for multiple stakeholders, while striking a balance between growth and sustainability in private and public organisations. Examines the ways in which sustainable value is created through effective and efficient operations, information systems, and supply chain management. Focuses on process design

for productivity and sustainability, particularly in uncertain and complex business contexts.

Restriction: BUSADMIN 766, 776

BUSDEV 714 15 Points

Managing Creativity and People

Examines creativity as a process of creating something novel or imaginative that leads to innovation. Focuses on collaborative and process-based approaches to managing organisational creativity. Explores how businesses can create environments and incentives which stimulate and encourage creativity and innovation.

BUSDEV 715 15 Points

Contemporary Marketing

Explores highly dynamic business environments and how ongoing digital transformation creates dramatic changes in the role of marketing. Develops an understanding of how collaboration with various stakeholders (e.g. customers, partners and competitors) can create and sustain value. Focuses on the theory and practice of contemporary marketing.

Restriction: BUSADMIN 762, 772

BUSDEV 721 15 Points

Innovation Management and Strategy

Examines various sources of innovation and the capabilities, processes and challenges of managing innovation and embedding it across an organisation. Focuses on the process of formulating innovation strategy and common elements of innovation strategies.

BUSDEV 722 15 Points

Product Management

Considers the product manager's role in developing and leading product strategy, managing a product portfolio, and helping to foster innovation. Develops capabilities to foster collaboration between functions, manage projects, develop persuasive business cases, and manage products throughout their lifecycle.

BUSDEV 723 15 Points

New Product Development Processes

Develops the knowledge and capabilities to lead new product development processes and launch products into the market. Examines practices for customer insight, design, prototyping, product planning, and go-to-market strategies.

BUSDEV 724 15 Points

Designing for Sustainability

Addresses challenges in designing for sustainability, including lifetime and disposal costs, environmental and social impacts, compliance issues, and tensions between corporate responsibility and profit generation. Explores contemporary topics like eco-innovation, circular economy, and social enterprise.

BUSDEV 731 15 Points

Business Analytics

Addresses the conditions of uncertainty under which more traditional methods of business analytics cannot always be applied. Explores how effective business analysis requires a systematic and multi-disciplinary approach to help drive business success. Examines various analytical methods to aid managerial decision making.

Restriction: COMENT 708

BUSDEV 732 15 Points

Commercialising Technology

Develops frameworks to help managers understand and

analyse the different stages of bringing technology to market and the associated risks and challenges. Examines how organisations set technology and commercialisation strategies and objectives and effectively manage portfolios of projects.

Restriction: COMENT 703

BUSDEV 733 15 Points

Turning Technology into IP

Clarifies the process of turning technology into intellectual property. Focuses on the different approaches, methods and processes to identify, evaluate and progress technology into intellectual property.

Restriction: COMENT 703

BUSDEV 734 15 Points

Technology Entrepreneurship

Focuses on the identification and management of strategic opportunities. Provides skills and knowledge to help managers and entrepreneurs to exploit science-based opportunities. Explores practices through which entrepreneurial action can create and capture value in new and established ventures.

Restriction: COMENT 704

BUSDEV 741 15 Points

Strategy in a Disruptive Age

Develops understanding of the nature of digitalisation, globalisation and other disruptive forces that are causing unprecedented changes in the business environment, irrespective of sector or geography. Focuses on the skills and knowledge managers require to craft and implement effective business strategies in quickly shifting conditions.

BUSDEV 742 15 Points

Competing Globally

Considers the necessity for New Zealand businesses to engage in business internationally and examines growth opportunities in global markets. Focuses on improving skills and knowledge for analysing international business environments, understanding cultural differences, and operating successfully in foreign markets.

BUSDEV 743 15 Points

Managing Change

Examines the challenges arising from businesses growth, and the consequential impact of change on which the design, culture and business processes of an organisation. Explores the implications of change and change management practices on internal and external stakeholders. Develops the skills and knowledge to help managers understand, plan and successfully navigate organisational changes.

BUSDEV 744 15 Points

Leading Business Growth

Explores the conditions under which traditional decision making methods and approaches are ineffective. Examines alternative approaches to leading business growth under uncertainty. Explores how to engage and manage stakeholders in communicating and executing high-impact decisions.

BUSDEV 780 15 Points

Personal and Team Leadership - Level 9

Develops mastery in personal and team leadership by engaging students with advanced leadership theories and practices within complex, uncertain, and creative business contexts. Students will apply innovative, research-informed tools and techniques to enhance leadership

capabilities and deepen self-awareness, including the critical evaluation of their own leadership impact. Through reflective development experiences, students will analyse, design, and implement leadership strategies tailored for diverse and evolving work environments, equipping them to lead transformation and adaptation in high-stakes, uncertain settings.

Prerequisite: 60 points from BUSDEV 722-724, BUSMAN 708

BUSDEV 781 15 Points

Managing Collaborative Projects - Level 9

Focuses on managers' responsibilities and challenges when leading, organising and working within collaborative projects. Explores and evaluates various distributed collaboration tools used to establish and manage project teams. Planning, control, and execution models for business development projects are reviewed and critiqued. Develops skills in the facilitation and effective management of complex collaborations and project team-dynamics within and beyond organisational boundaries.

Prerequisite: 60 points from BUSDEV 711-715, 721-724, 731-734, 741-744

BUSDEV 782 30 Points

BUSDEV 782A 15 Points

BUSDEV 782B 15 Points

Capstone Project - Level 9

Working with a client's real-world and real-time problem, students will choose, integrate, and apply theories, frameworks and tools to understand the problem, and subsequently generate and iterate possible solutions. Plans, reports and presentations will be produced and communicated with the intention of informing and influencing clients and affected stakeholders.

Prerequisite: BUSDEV 780, BUSDEV 781 or BUSMAN 710

To complete this course students must enrol in BUSDEV 782 A and B, or BUSDEV 782

Business Finance

Postgraduate 700 Level Courses

BUSFIN 700 15 Points

Business Accounting and Finance

Examines the use of accounting information for business decision-making and the application of ethical decision-making models. Analyses general-purpose financial statements and critically evaluates innovations in financial reporting aimed at incorporating sustainability and governance. Evaluates and applies cost and budget information used to support planning and control. Evaluates and applies financial information used in the assessment of financing and investment decisions.

BUSFIN 701 15 Points

Economics for Financial Analysts

Applies micro-and macro-economic concepts with a focus on companies and their relationships to the wider economy from an applied finance perspective. Explores the impact of consumers, firms, markets, and institutions on the macro-economy. Analyses economic data to evaluate the impact of contextual factors on business.

BUSFIN 702 15 Points

Financial Markets Law

Develops a critical awareness of regulatory legislation as it relates to financial markets in New Zealand and globally. Evaluates legal issues and their impact on capital decision-

making in the wider economic environment including taking into account ethical and social considerations.

BUSFIN 703 15 Points

Corporate Finance

Assesses the role and relationships of a financial manager with both internal and external stakeholders in different types of organisations. Develops analytical skills to apply models and frameworks to evaluate, propose and justify solutions for corporate finance issues in areas such as valuation of a firm, cost of capital, capital budgeting, and capital structure.

BUSFIN 704 15 Points

Investment Decision-making

Analyses the investment decision-making process from the perspective of an investor. Evaluates the role of the equity market and concepts of risk and return in investment decision-making. Develops and applies analytical skills and models to implement effective investment strategies including diversification, optimal portfolio formation, and the management of fixed income securities.

BUSFIN 705 15 Points

Financial Risk Management

Analyses the impact of a company's exposure to financial risks, including exchange rate risk, interest rate risk, and other financial price risks. Develops skills and strategies to mitigate potential financial risk exposure, including the use of hedging policies that contain derivative instruments. Considers the impact of environmental and social factors in the development of corporate risk management strategies.

BUSFIN 706 15 Points

Advanced Financial Management - Level 9

Critically evaluates the function of corporate financial management in a variety of organisation types from a range of stakeholder perspectives. Develops skills to address advanced financial management challenges in areas such as capital budgeting, valuation, capital structure, and mergers and acquisitions and applies these in strategic financial decision-making.

BUSFIN 707 15 Points

Consultancy Practice

Focuses on the responsibilities and challenges of working in collaborative projects. Develops the skills required to engage in consultancy work. Engages students in problem framing, identifying and employing appropriate methodologies, and developing and presenting solutions to specific problems. Considers the dynamics of client-consultant relationships.

BUSFIN 710 15 Points

Financial Modelling Techniques

Examines challenges in modelling uncertain financial outcomes and critically evaluates practitioner modelling tools available to financial analysts. Develops practical skills in designing and applying Excel-based financial models to solving common analytical problems in corporate finance and investment analysis.

BUSFIN 711 15 Points

Financial Analytics Applications

Examines how programming-based models can be applied to obtain enhanced analytical insights in a finance-related context. Develops skills in applying programming (such as Python or R) based tools to real-world financial challenges. Applies these tools both to obtain analytical insight and communicate information effectively.

BUSFIN 712 15 Points
Sustainable Finance
 Examines the intersection between sustainability and finance. Appraises sustainability risks, social challenges, and the implications for companies. Develops analytical skills in the integration of economic, social, and governance (ESG) factors in corporate finance and investment applications.

BUSFIN 713 15 Points
Climate Finance
 Investigates the key debates in climate finance related to climate change. Evaluates the financial impact of climate change and climate-related risks. Critically evaluates strategies and modelling techniques used by financial market participants in the assessment of the impact of climate change.

BUSFIN 714 15 Points
FinTech Applications
 Explores the characteristics of the FinTech market and potential opportunities for the use of FinTech applications in finance. Develops and appraises FinTech strategies for informing and addressing finance issues related to corporate finance and addressing investment management.

BUSFIN 715 15 Points
FinTech and Financial Intermediation
 Investigates emerging FinTech trends in financial intermediation and evaluates strategies and tactics for financial intermediaries in the banking, real estate and insurance sectors. Critically examines current practices in FinTech from the multiple perspectives of a consultant, regulator, incumbent financial institutions and entrepreneur.

BUSFIN 716 15 Points
Alternative Investments
 Examines the unique characteristics and roles of alternative asset classes in the context of investment management. Develops skills in analysing various aspects of these investments such as their risk-return profiles and their implications for investment management.

BUSFIN 720 30 Points
Financial Analytics Industry Project - Level 9
 Team-based applied finance consultancy project for a real-life client. Application of financial analysis tools and modelling techniques to construct and justify solutions that have an appreciation of ethical, regulatory, cultural and social issues. Written, visual and oral presentations to both technical and non-technical audiences.

BUSFIN 723 30 Points
Financial Analytics Project - Level 9
 Individual applied finance consultancy project for a real-life client. Application of financial analysis tools and modelling techniques to construct and justify solutions that have an appreciation of ethical, regulatory, cultural and social issues. Written, visual and oral presentations to both technical and non-technical audiences.

BUSFIN 730 30 Points
Applied Finance Industry Project
 Team-based applied finance consultancy project addressing a real-life financial challenge. Application of financial concepts, tools and skills to analyse the challenge and develop appropriate solutions. Professional communication of project outputs using written and oral formats.
Prerequisite: BUSFIN 706
Corequisite: BUSFIN 707

BUSFIN 731 30 Points
Applied Finance Individual Industry Project
 Individual applied finance consultancy project addressing a real-life financial challenge. Application of financial concepts, tools and skills to analyse the challenge and develop appropriate solutions. Professional communication of project outputs using written and oral formats.
Prerequisite: BUSFIN 706
Corequisite: BUSFIN 707

Business Human Resource Management

Postgraduate 700 Level Courses

BUSHRM 701 15 Points
Human Resource Analytics
 Develops the tools and frameworks for gathering and analysing data on workforce skills, attitudes and behaviours and building models of how these variables influence business and employee outcomes.
Prerequisite: BUSMGT 724, 751, 761, 762, with a B average or higher

BUSHRM 702 15 Points
Strategic Human Resource Management - Level 9
 Focuses on how HR specialists can help business leaders to develop HR strategies that enhance organisational performance and employee well-being. Examines current and emerging research in HRM and evaluates contemporary practice.
Prerequisite: BUSMGT 724, 751, 761, 762, with a B average or higher

BUSHRM 703 30 Points
HRM Research Project - Level 9
 Explores human resource management within the business environment through research of a human resource management issue and the production of a written analytical research report that addresses that human resource management issue.
Prerequisite: BUSMGT 724, 751, 761, 762, with a B average or higher

BUSHRM 710 15 Points
Consultancy Practice
 Develops the tools and frameworks required to engage in consultancy work. Engages students in problem framing, identifying and employing appropriate methodologies, and developing and presenting solutions to specific problems. Considers the dynamics of client-consultant relationships.
Prerequisite: BUSMGT 724, 751, 761, 762, with a B average or higher

BUSHRM 711 30 Points
Consultancy Project for HRM - Level 9
 A research-informed consultancy project based on a human resource management internship with a company or other appropriate organisation with written and oral reports of the findings.
Prerequisite: BUSMGT 724, 751, 761, 762, with a B average or higher

Business Information Analytics

Postgraduate 700 Level Courses

BUSINFO 700 15 Points
Analysis of Business Problems
 Develops a managerial perspective on the use of small and

big data in problem identification, analysis and decision-making. Explores big data strategies and develops an understanding of the business and industry context in which analytics professionals operate and how different parts of organisations interact.

BUSINFO 701 **15 Points**
Business Analytics Tools

Develops skills in programming and business intelligence applications using the most commonly applied software and freeware. Provides insights into data wrangling and focuses on using tools for problem-solving, including their application in a variety of business settings.

BUSINFO 702 **15 Points**
Information Management

Develops skills in the use of contemporary data management tools and the DataOps ecosystem to optimise the efficient storage of data. Emphasises data stewardship, including data governance and related ethical considerations. Explores behavioural, strategic and social issues related to data management software and tools to create agile data organisations.

BUSINFO 703 **15 Points**
Data Visualisation for Business

Develops skills in unsupervised machine learning techniques, e.g., cluster analysis, factor analysis, and text mining, which enable unstructured and structured data to be leveraged to provide insights. Uses storytelling and visualisation techniques to translate data patterns in order to inform managerial decision-making.

Prerequisite: BUSINFO 700

BUSINFO 704 **15 Points**
Predictive Business Analytics

Provides insights into the most commonly used supervised machine learning techniques, e.g., linear regression, logistic regression, random forest techniques, neural networks. Applies these techniques to model data for predicting relevant events. Addresses caveats of the techniques and how to evaluate model validity and outcomes.

BUSINFO 705 **15 Points**
Decision Analytics

Explores how business analytics can be used to improve business processes and decisions. The link between quantitative models and qualitative processes is explicitly explored. Decision biases are considered in the context of decision modelling. Monte Carlo simulation and optimisation are among the decision tools taught.

BUSINFO 706 **15 Points**
Customer and Market Insights

Develops customer and market insight capabilities through the use of machine learning applications such as prospect selection, churn modelling, customer segmentation and attribution modelling. Focuses on the use of CRM data and explores the contributions that survey data can make. Explores campaign management and other aspects of implementing the results of analytical projects.

Prerequisite: BUSINFO 704

BUSINFO 707 **15 Points**
Digital Machine Learning - Level 9

Synthesises academic marketing research findings with previously taught knowledge about analytics, the digital channel, marketing planning and practice in order to attain marketing strategic goals. Enables students to critically and independently evaluate alternative analytics and

machine learning techniques and apply these insights to formulating solutions to challenges involving, for example, web scraping, network analyses, google analytics and machine learning techniques such as text mining and cluster analysis.

Prerequisite: BUSINFO 704

BUSINFO 708 **15 Points**
Supply Chain Optimisation

Uses key analytic modelling techniques to analyse and optimise supply chains. Topics include facility location, network design, and general logistics. Key trade-offs are explored, including that difference between efficiency and effectiveness. Uncertainty is modelled and shown to be key in supply chain design.

Prerequisite: BUSINFO 705

BUSINFO 709 **15 Points**
Supply Chain Analytics - Level 9

Synthesises learning from business analytics methodologies (e.g., multivariate data analysis, data mining, and network visualisation) taught in prior classes. Requires application of the latest supply chain research findings from the academic literature in developing practical business solutions, involving issues such as supplier selection and multi-sourcing. Develops skills and knowledge to independently and critically address open-ended and ill-defined challenges in Supply Chain Management including complex tactical supply chain management problems, including supplier selection, multi-sourcing.

Prerequisite: BUSINFO 704

BUSINFO 710 **15 Points**
Advanced Project Management

Develops advanced project management skills and readiness for the final business analytics industry project, including definition and formulation of KPIs, risk assessment, progress monitoring, process evaluation, and reporting. Students will apply these skills in the formulation of an industry project proposal.

BUSINFO 711 **15 Points**
Consultancy Practice

Develops professional skills in communication, case practice, interviewing, networking, and business etiquette. Enhances team and management skills including conflict management and cultural awareness and builds resilience.

BUSINFO 712 **30 Points**
Marketing Analytics Industry Project - Level 9

Marketing analytics consultancy project for a client company with written and oral presentation.

Prerequisite: BUSINFO 706, 707, 710

BUSINFO 713 **30 Points**
Supply Chain Analytics Industry Project - Level 9

Supply chain analytics consultancy project for a client company with written and oral presentation.

Prerequisite: BUSINFO 708-710

BUSINFO 714 **30 Points**
Marketing Analytics Project - Level 9

Individual marketing analytics consultancy project for a client company with written and oral presentation.

Prerequisite: BUSINFO 706, 707, 710

BUSINFO 715 **30 Points**
Supply Chain Analytics Project - Level 9

Individual supply chain analytics consultancy project for a client company with written and oral presentation.

Prerequisite: BUSINFO 708-710

BUSINFO 716 15 Points
Business Analytics for FinTech
 Study of the intersection of finance and business analytics. Considers strategies for improving portfolio performance and valuation accuracy from the perspective of a trader or fund manager, and considers how outside investors and regulators can better detect fraud; uses business analytics tools to improve financial projections.
Prerequisite: BUSINFO 704

BUSINFO 717 15 Points
FinTech and Financial Intermediation - Level 9
 Examines emerging FinTech trends in financial intermediation such as digital transformation and responsible Innovation and evaluates strategies and tactics for financial intermediaries in the banking, real estate and insurance sectors. Critically examines current practices in FinTech from the multiple perspectives of a consultant, regulator, incumbent financial institutions and entrepreneur.
Prerequisite: BUSINFO 704

BUSINFO 718 30 Points
FinTech Analytics Industry Project - Level 9
 Team-based FinTech analytics consultancy project for a client company with written and oral presentations.
Prerequisite: BUSINFO 710, 716, 717

BUSINFO 719 30 Points
FinTech Analytics Project - Level 9
 Individual FinTech analytics consultancy project for a client company with written and oral presentation.
Prerequisite: BUSINFO 710, 716, 717

Business International

Postgraduate 700 Level Courses

BUSINT 710 15 Points
Consultancy Practice
 Develops the tools and frameworks required to engage in consultancy work. Engages students in problem framing, identifying and employing appropriate methodologies, and developing and presenting solutions to specific problems. Considers the dynamics of client-consultant relationships.
Prerequisite: BUSMGT 724, 741, 751, 761 with at least a B average

BUSINT 711 30 Points
Consultancy Project for MIntBus - Level 9
 A research-informed consultancy project based on an international business internship with a company or other appropriate organisation with written and oral reports of the findings.
Prerequisite: BUSMGT 724, 741, 751, 761 with at least a B average
Restriction: BUSMKT 703, 704

Business Management

Postgraduate 700 Level Courses

BUSMAN 701 15 Points
Managing People and Organisations
 Explores current management practices and the challenges of managing in contemporary organisations. Examines strategies for effective management and leadership to achieve performance and productivity improvements including change management processes.
Restriction: BUSADMIN 761, 771

BUSMAN 702 15 Points
Contemporary Marketing
 Develops an understanding of the contemporary marketing function and focuses on marketing decision-making, marketing strategy development and tactics. Examines the impact of new technology.
Restriction: BUSADMIN 762, 772

BUSMAN 703 15 Points
Financial Decision-making
 Focuses on decision-making, budgeting and the management of financial resources. Examines value creation from investments, and the management and control of financial assets.
Restriction: BUSADMIN 765, 775

BUSMAN 704 15 Points
Supply Chain Management
 Explores creating value through effective and efficient operations and supply chains for the production and delivery of products and services. Emphasises human, information and sustainability aspects.
Restriction: BUSADMIN 766, 776

BUSMAN 705 15 Points
Strategic Human Resource Management
 Explores how HR strategies can enhance organisational performance and employee well-being. Examines research on contemporary challenges in strategic HRM in domestic and multinational firms.
Restriction: BUSADMIN 761, 771

BUSMAN 706 15 Points
Strategic Management
 Examines the application of contemporary strategic management frameworks, processes and practices. Evaluates alternative approaches to the development of coherent solutions for an organisation's strategic challenges.
Restriction: BUSADMIN 729, 768, 778

BUSMAN 707 15 Points
Business Analytics
 Develops skills in data-driven decision-making and problem-solving. Applies and evaluates approaches, tools, and analytical methods for effective business data analysis and data visualisation. Takes a systematic and multi-disciplinary approach to help managers drive business success.
Restriction: BUSADMIN 763, 773

BUSMAN 708 15 Points
Innovation in Practice
 Examines strategies for developing an innovation culture and capabilities that will enhance the agility of start-ups and small-to-medium-sized enterprises. Explores opportunity recognition, new product and venture development, risk management, venture financing, and the challenges of SME management.

BUSMAN 709 15 Points
Global Management - Level 9
 Critically evaluates the use and application of tools and techniques for the creation and implementation of global management strategies in diverse types of enterprise. Assesses the effectiveness of global management practices in navigating complex and ill-defined contexts. Develops advanced capabilities in designing and communicating strategy.

BUSMAN 710 Consultancy Practice Develops the tools and frameworks required to engage in consultancy practice. Engages students in problem framing, identifying and employing appropriate methodologies, and developing and presenting solutions to specific problems. Considers the dynamics of client-consultant relationships.	15 Points	or other appropriate organisation with written and oral reports of the findings. <i>Prerequisite: BUSDEV 780, BUSMAN 710</i> <i>To complete this course students must enrol in BUSMAN 750 A and B, or BUSMAN 750</i>
BUSMAN 720 Digital Marketing Strategies Focuses on marketing strategy, planning, and implementation in a digital world. Discusses digital transformation and its impact on customer engagement and consumer behaviour. Builds critical skills in online data analytics.	15 Points	
BUSMAN 721 Customer Insights Develops a critical understanding of possibilities and limitations of customer insights-based marketing strategies and tactics. Explores the application of customer insights tools.	15 Points	
BUSMAN 722 Digital Branding and Advertising Explores how businesses communicate with customers and other key stakeholders through digital advertising and social media campaigns. Evaluates the effectiveness of advertising, sales promotion, public relations, personal selling, and direct marketing, in a digital world. <i>Prerequisite: BUSMAN 702</i>	15 Points	
BUSMAN 723 Advanced Marketing Strategy Examines current and emerging research in digital marketing and evaluates contemporary practice. Focuses on the development, implementation and management of effective marketing strategies to attain and achieve a sustainable competitive advantage. <i>Prerequisite: BUSMAN 702</i>	15 Points	
BUSMAN 730 Human Resource Policy and Practice Evaluates the policies and practices involved in the core processes of HRM and builds students' professional skills in assisting organisations to design and implement these policies and practices effectively.	15 Points	
BUSMAN 731 Employment Law Analyses and applies the legal principles governing the employment relationship. Specific topics include bargaining, personal grievances, enforcement of employment contracts, strikes and lockouts, the rules regarding holidays, and health and safety obligations.	15 Points	
BUSMAN 732 Human Resource Analytics Develops the tools and frameworks for gathering and analysing data on workforce skills, attitudes and behaviours and building models of how these variables influence business and employee outcomes.	15 Points	
BUSMAN 750 BUSMAN 750A BUSMAN 750B Consultancy Project in Strategic Management - Level 9 A research-informed consultancy project with a company	30 Points 15 Points 15 Points	
BUSMAN 751 BUSMAN 751A BUSMAN 751B Consultancy Project in Digital Marketing - Level 9 A research-informed consultancy project with a company or other appropriate organisation with written and oral reports of the findings. <i>Prerequisite: BUSDEV 780, BUSMAN 710</i> <i>To complete this course students must enrol in BUSMAN 751 A and B, or BUSMAN 751</i>	30 Points 15 Points 15 Points	
BUSMAN 752 BUSMAN 752A BUSMAN 752B Consultancy Project in HRM - Level 9 A research-informed consultancy project with a company or other appropriate organisation with written and oral reports of the findings. <i>Prerequisite: BUSDEV 780, BUSMAN 710</i> <i>To complete this course students must enrol in BUSMAN 752 A and B, or BUSMAN 752</i>	30 Points 15 Points 15 Points	
BUSMAN 771 Business in Society Examines the role of business in society, how businesses interact with government and other institutions, and how businesses can contribute to solving the key challenges of the twenty-first century.	15 Points	
BUSMAN 772 Organisations and Culture Explores the role that managers play in building the structure and culture of organisations. Examines key issues in organisational design, culture, behaviour and structures. Develops skills in managing multigenerational and multicultural workforces.	15 Points	
BUSMAN 773 Effective Decision Making Techniques and tools to support and facilitate managerial decision-making. Builds skills in understanding organisations and their problems through numerical analysis. <i>Restriction: BUSADMIN 763</i>	15 Points	
BUSMAN 774 The Global Economy and New Zealand Considers the nature of the global economy and the opportunities for small trading nations such as New Zealand. Examines key issues, global trade, and how governmental policies impact businesses. Explores how New Zealand can become a more productive and prosperous nation.	15 Points	
<hr/> Business Management <hr/>		
<hr/> Postgraduate 700 Level Courses <hr/>		
BUSMGT 707 Professional Development Develops key interpersonal strategies and communication skills to become an agile, reflective professional and to manage the professional self effectively and cooperatively in a range of business environments. Enhances the	15 Points	

emerging manager's ability to lead and influence others in both cross-cultural contexts and uncertainty.

BUSMG7 708 15 Points

Communicating Business Insights

Equips students with the ability to utilise data visualisation tools and techniques in crafting and adapting data communication strategies for different types of audiences. Develops critical evaluation of the presentation of data and the implications for ethical communication.

BUSMG7 709 15 Points

Economics and Business Analytics

Explores data-driven decision-making in a VUCA (Volatility, Uncertainty, Complexity, Ambiguity) environment, utilise tools for structured thinking, understand market dynamics, and assess consumer, firm, and institutional impacts on the macroeconomy. Develops a managerial perspective on micro- and macro-economic aspects in order to navigate complexities and drive strategic success.

Prerequisite: BUSMG7 711, 713

Restriction: BUSMG7 712, 714, 718

BUSMG7 711 15 Points

Managing People and Organisations

Focuses on the foundations of organisational behaviour and managing within the workplace. Examines the challenges that managers and leaders face in managing people and organisations.

BUSMG7 712 15 Points

Principles of Business Analytics

Focuses on fact-based and data driven-decision making in a volatile, uncertain, complex and ambiguous (VUCA) world. Introduces and examines tools and approaches to support decision making through an understanding of data and structured thinking.

BUSMG7 713 15 Points

Financial Reporting and Control

Focuses on essential accounting knowledge for effective resource allocation and for quantifying, assessing, and communicating information about the health of the enterprise.

BUSMG7 714 15 Points

Economics for Managers

Examines attributes and behaviours of consumers, firms, markets and institutions and their impacts on the macroeconomy. Focuses on the micro- and macro-economic aspects of market actors from a managerial perspective.

BUSMG7 716 15 Points

Strategy Capstone - Level 9

Examines the logics and processes of strategy formulation and implementation. The course involves extensive business situation case analysis and a 'real world' business project requiring creative and innovative recommendations typical for a capstone experience.

Prerequisite: 60 points from BUSMG7 711-714 with at least a B- average

BUSMG7 717 15 Points

Strategic Management - Level 9

Advanced analysis of corporate and competitive strategy with a focus on innovation, diversification and strategic change. Uses a case-based approach to evaluate the strengths and limitations of different perspectives for creating an appropriate strategy.

Prerequisite: BUSMG7 711-714 with at least a B- average

BUSMG7 718 15 Points

Business Analytics

Focuses on fact-based and data driven-decision making in a volatile, uncertain, complex and ambiguous (VUCA) world. Examines decision biases and tools to overcome decision making under VUCA, particularly through critical and structured thinking.

BUSMG7 719 15 Points

Business Technology

Explores emerging technologies and how they impact on business strategies. Examines data-driven decision-making and develops an understanding of innovation culture and capabilities and how these can be harnessed to improve business outcomes.

BUSMG7 724 15 Points

Global Operations Management - Level 9

Advanced analysis of global operations management. Evaluates the design, management, and improvement of operations in goods and services organisations and critiques strategies to improve global supply chain performance.

Prerequisite: 60 points from BUSMG7 711-714 with at least a B- average

BUSMG7 726 15 Points

Operations and Supply Chain Management

Provides an understanding of how value can be created through the effective, efficient, and sustainable use of resources in the production and delivery of goods and services. Explores how the operations and supply chains of firms can be designed, managed, and improved to gain competitive advantage.

BUSMG7 731 15 Points

Financial Reporting and Accounting

Provides overview of financial accounting principles within New Zealand and the understanding and application of New Zealand Financial Reporting Standards. Focuses on the role of financial statements play in investment, analysis and contracting decisions.

Prerequisite: 60 points from BUSMG7 711-714 with at least a B- average

BUSMG7 732 15 Points

Business Finance

Examines the functions of the markets for real and financial assets, and their valuation. Focuses on the various techniques that financial managers can create wealth for shareholders and stakeholders.

Prerequisite: 60 points from BUSMG7 711-714 with at least a B- average

BUSMG7 733 15 Points

Analysing Financial Statements - Level 9

Advanced analysis of financial statements and the assessments of an organisation's performance. Evaluates tools and techniques used to measure and assess risk and value through an applied project.

Prerequisite: 60 points from BUSMG7 711-714 with at least a B- average

BUSMG7 734 15 Points

Strategic Management Accounting

Critically analyses the role of strategic management accounting in facilitating strategic decision making and sustainable value creation. Evaluates strategic cost management tools and techniques, budgetary control

systems and performance measurement through an applied project.

Prerequisite: 60 points from BUSMG1 711-714 with at least a B- average

BUSMG1 735 15 Points
Management Accounting

Design and management of revenue and cost management systems. Analysis of Budgets and standards, costing system, cost systems for decision-making and control, performance appraisal, and contemporary related issues.

Prerequisite: 60 points from BUSMG1 711-714 with at least a B- average

BUSMG1 741 15 Points
International Business Environment

Provides an understanding of macro-environment issues that businesses operating internationally face. Develops students' analytical thinking and decision making skills with the use of analytical tools and case studies.

Prerequisite: 60 points from BUSMG1 711-714 with at least a B- average

Restriction: INTBUS 723

BUSMG1 742 15 Points
International Trade and Finance

Provides an understanding of the trade and financial environments within which organisations operate. Focuses on the challenges organisations face when making business decisions with regard to international trade and finance.

Prerequisite: BUSMG1 711-714 with at least a B- average

Restriction: INTBUS 725

BUSMG1 743 15 Points
Competing in Asia - Level 9

Develops highly specialised knowledge about the changing institutional and business environments in key economies in the Asia-Pacific region. Requires independent research and analysis to critically evaluate the implications of such changes for innovation, business strategy and understanding customers.

Prerequisite: BUSMG1 711-714 with at least a B- average

Restriction: INTBUS 727

BUSMG1 745 15 Points
International Business Strategy

Explores strategic aspects of managing a firm in an international context. Emphasises the development of skills to understand and analyse the issues that firms face in operating in international markets and value chains, and the emergence and development of business and corporate level international business strategy.

BUSMG1 747 30 Points
International Business Strategy Capstone - Level 9

Analyse business cases, refine critical thinking and decision-making and foster a strategic mindset. Apply comprehensive strategic solutions to a 'real-world' business project, requiring creative and innovative recommendations typical for a capstone experience.

BUSMG1 751 15 Points
Marketing Management

Focuses on the core concepts and principles of marketing theory and practice using examples from New Zealand and overseas.

Prerequisite: BUSMG1 711-714 with at least a B- average

BUSMG1 752 15 Points
Understanding Consumers - Level 9

Examines the consumer perspective in marketing

through application of theories and frameworks. Includes independent appraisal of research methods suitable for generating insights into business. Reviews current and emerging research in Consumer Behaviour to evaluate contemporary practice.

Prerequisite: BUSMG1 711-714 with at least a B- average

BUSMG1 754 15 Points
Marketing Communications - Level 9

Analysis of the individual components of the marketing communications mix. Critically evaluates the role of marketing communications in supporting brand, product and service strategy.

Prerequisite: BUSMG1 711-714 with at least a B- average

BUSMG1 755 15 Points
Strategic Digital Marketing

Examines current and emerging research in marketing communications and evaluates contemporary practice. Focuses on the effective integration of digital strategies in marketing planning, implementation and practice.

Prerequisite: BUSMG1 711-714 with at least a B- average

BUSMG1 756 15 Points
Branding Strategy

Develops the essential frameworks and tools for operating in specialised marketing agencies such as advertising, branding, media, PR, or similar. Examines the work of marketing agencies, and equips students with a mobile repertoire of practical skills required by marketing agencies.

BUSMG1 757 30 Points
Marketing Strategy Capstone - Level 9

Analyse business cases, refine critical thinking and decision-making and foster a strategic mindset. Apply comprehensive strategic solutions to a 'real-world' business project, requiring creative and innovative recommendations typical for a capstone experience.

BUSMG1 761 15 Points
International Human Resource Management

Examines the management of international workforces in multinational corporations. Explores the impact of culture on managing people in cross-border contexts.

BUSMG1 762 15 Points
Human Resource Policy and Practice

Evaluates the policies and practices involved in the core processes of HRM and builds students professional skills in assisting organisations to design and implement these policies and practices effectively.

Prerequisite: BUSMG1 711-714 with a B- average or higher

BUSMG1 763 15 Points
Human Resource Analytics

Develops the tools and frameworks for gathering and analysing data on workforce skills, attitudes and behaviours and building models of how these variables influence business and employee outcomes.

BUSMG1 764 15 Points
Strategic Human Resource Management - Level 9

Focuses on how Human Resource specialists can help business leaders to develop Human Resource strategies that enhance organisational performance and employee well-being. Examines current and emerging research in HRM and evaluates contemporary practice.

Prerequisite: BUSMG1 762, 763

BUSMGT 767 30 Points
Human Resource Management Strategy Capstone - Level 9
 Analyse business cases, refine critical thinking and decision-making and foster a strategic mindset. Apply comprehensive strategic solutions to a 'real-world' business project, requiring creative and innovative recommendations typical for a capstone experience.

Business Marketing

Postgraduate 700 Level Courses

BUSMKT 703 30 Points
Marketing Research Project - Level 9
 Explores marketing within the business environment through research of a marketing issue and the production of a written analytical research report that addresses that marketing issue.
Prerequisite: BUSMGT 751, 752, 754, 756, with a GPA of 5.0 or higher
Restriction: BUSMGT 704

BUSMKT 710 15 Points
Consultancy Practice
 Develops the tools and frameworks required to engage in consultancy work. Engages students in problem framing, identifying and employing appropriate methodologies, and developing and presenting solutions to specific problems. Considers the dynamics of client-consultant relationships.
Prerequisite: BUSMGT 751, 752, 754, 756, with a GPA of 5.0 or higher

BUSMKT 711 30 Points
Consultancy Project for MMktg - Level 9
 A research-informed consultancy project based on a marketing internship with a company or other appropriate organisation with written and oral reports of the findings.
Prerequisite: BUSMGT 751, 752, 754, 756, with a GPA of 5.0 or higher
Restriction: BUSMKT 703, 704

Business MBA

Postgraduate 700 Level Courses

BUSMBA 700 0 Points
Coaching for Leadership
 Develops skills to lead oneself, others and organisations in increasingly global, uncertain and complex business environments. Explores principles of effective leadership within a context that is constantly changing.

BUSMBA 701 7.5 Points
Financial Return, Risk and Valuation
 Examines factors that affect the value of real and financial assets and explores the relation between risk and return and its implications for asset values and the cost of capital. Includes coverage of models and techniques used for the valuation of real and financial assets.

BUSMBA 702 7.5 Points
Managing Capacity and Inventory
 Develops effective strategies for determining and allocating capacity and inventories to match supply and demand consistent with business strategy, cost factors, and uncertainty. Considers both manufacturing and services utilising perspectives from operations, accounting, and finance.

BUSMBA 703 7.5 Points
Globalising Mindsets
 Develops skills to navigate the complexities of the global business environment. Critically evaluates differences in regulation, culture and customs in formulating strategies to reach overseas customers and navigate different business systems.

BUSMBA 704 7.5 Points
Managing Talent in the 21st Century
 Explores the factors that enable organisations to attract, keep and promote valued talent. Considers the role of technological developments in the definition and organisation of work and the implications for individuals and organisations. Explores principles of human talent management within a context that is constantly changing.

BUSMBA 705 7.5 Points
Approaches to Growth
 Explores various strategic approaches to growth, drawing on strategic management and marketing. Develops skills to critically evaluate, develop and manage growth strategies that are appropriate for the given context.

BUSMBA 706 7.5 Points
Innovating New Products and Services
 Examines the processes that create successful new products and services and explores the development of appealing concepts, prototyping and testing, refinement, production and launch. Develops skills to create a refined concept for a new offering, and plans for processes required to execute its launch into the marketplace.

BUSMBA 707 7.5 Points
Engaging Innovation Ecosystems
 Provides a multi-disciplinary approach to build the practices of innovation, commercialisation, and corporate entrepreneurship. Examines the essential processes of open innovation, such as collaboration, knowledge sharing, and contracting.

BUSMBA 708 7.5 Points
Leading and Managing Change
 Critically evaluates the key determinants of successful organisational change including factors within the control of the change agent, including those that enable and constrain the actions of the change agent. Develops skills to initiate and manage change, and then to embed change in organisational systems and practices.

BUSMBA 709 7.5 Points
Market Making and Market Shaping
 Explores the factors that enable organisations to make and shape markets, drawing on the transdisciplinary science of systems theory. Develops skills to devise and implement strategies on a market or ecosystem level in uncertain and complex contexts.

BUSMBA 711 7.5 Points
Organisational Resilience
 Develops skills to critically assess current reality and understand ripple effects while scanning the horizon for long-term threats and opportunities. Develops skills to build individual and organisational resilience in a context that is volatile, uncertain, complex and ambiguous.

BUSMBA 713 7.5 Points
Special Topic

BUSMBA 714 15 Points
Special Topic

BUSMBA 720 15 Points**Leading in Complexity**

Develops skills for navigating the complex and changing workplace, to enable students to lead organisations positively, during uncertainty. Topics covered include leadership mindsets, leadership influence and leading in complex, changing environments. Draws on a range of theoretical backgrounds including psychological and management theories, and combines both international and Aotearoa leadership perspectives.

BUSMBA 721 15 Points**Te Ao Māori Business**

Investigates how to integrate Māori values into contemporary business practices through examining governance, tikanga, and the Māori economy. Emphasis is placed on sustainability, societal well-being, and principles like kaitiakitanga, social purpose, and long-term planning.

BUSMBA 722 15 Points**Aotearoa NZ's Unique Legal Landscape**

Evaluates how New Zealand's unique history shapes our legal and political environment, exploring how businesses can influence future policy and law-making. Through the lens of key areas of commercial law, business leaders learn to identify and critically evaluate significant business constraints and opportunities, thereby enabling more effective decision-making in both domestic and international contexts.

BUSMBA 723 15 Points**Strategy in Dynamic Markets**

Explores strategic approaches to sustainable growth in a VUCA (volatility, uncertainty, complexity, and ambiguity) world, focussing on problem-solving, effective positioning in existing markets and shaping of new markets. Develops skills to devise and implement strategies at organisation, ecosystem and market levels in uncertain and complex contexts. Practical examples are used to reinforce climate mitigation and circular economy practices to face and embrace 21st-century challenges.

BUSMBA 724 15 Points**Navigating the Economic Environment**

Develops analytical and critical thinking skills in contemporary economic issues, both international and domestic, including national goals, productivity growth, money and inflation, inequality, and the genesis of financial crises. Micro-economic skills in the theory of the firm, competition, and supply and demand are also covered. Practical insights are gained into international economics and domestic issues such as the Māori economy.

BUSMBA 725 15 Points**Accounting & Finance**

Develops finance and accounting skills covering topics such as interpreting financial statements, risk management, valuation techniques, financing, international finance, and fintech. Using case studies and real-world examples, students will develop practical skills in finance decision-making, including the importance of sustainable accounting and climate-related disclosures for ethical financial practices.

BUSMBA 726 15 Points**Analytics for Business Decisions - Level 9**

Develops a critical understanding of data science techniques. Students will be able to independently evaluate and identify sources of data, make high-level

data-driven decisions, communicate specialised insights, and contribute to solving real-world problems.

BUSMBA 727 15 Points**Delivering Value Through Operations**

Explores operations and supply chain management, focusing on effective production and delivery of goods and services that meet customer needs. Examines how to improve operations and supply chains to support competitive positioning while considering factors such as uncertainty and environmental sustainability.

BUSMBA 728 15 Points**Creating Value Through Innovation**

Explores contemporary approaches that enhance innovation activities. Expands thinking about design and innovation beyond new products to other sources of value creation. Critically evaluates the role of innovation and design processes in creating new products, services, experiences, and markets. Develops skills to manage a creative approach to problem/opportunity/solution identification and ideation.

BUSMBA 729 15 Points**Global Success and Scaling Up**

Evaluates and assesses opportunities, challenges and risks in exporting or operating a business across borders as part of a global value chain. Combines country and market analysis with internationalisation strategies to explore challenges firms and their leaders face, focussing on New Zealand firms, their global context and the unique trade-offs to be considered.

BUSMBA 730 30 Points**MBA Capstone Consultancy Project - Level 9**

Develops skills in the identification of new opportunities and strategic recommendations for international growth through a consultancy project working with a New Zealand business. Students will learn to utilise information from a range of sources to make decisions while navigating uncertainty. An international field trip provides practical experience and exposure to global business practices.

Prerequisite: 90 points from BUSMBA 720-729

BUSMBA 750 15 Points**Navigating the Business Environment**

Critically evaluates the business environment from legal, economic, political and social perspectives, at both the national and international levels. Develops skills to identify and influence major constraints and opportunities, and to use this critical understanding in strategic decision-making.

BUSMBA 751 15 Points**Financial Management and Control**

Covers the process of financial management within a corporation and explores how the analysis of a range of financial information can be used to gain insights which enhance managerial decision making. Examines how value can be created for shareholders and other stakeholders through investment and financing decisions.

BUSMBA 752 15 Points**Building Capabilities for Performance**

Explores business strategies based on unique resources and capabilities, utilising perspectives from management and marketing. Develops skills to generate market intelligence, devise strategies, manage intangible assets as well as relationships with external stakeholders.

BUSMBA 753 15 Points
Designing, Managing, and Improving Business Processes
 Explores leading and organising intra- and inter-organisational processes and systems, for effective production and delivery of goods and services meeting customer needs. Considers uncertain and complex business environments, along with operations and supply chain management ideas and technologies.

BUSMBA 760 15 Points
Making Evidence-based Decisions under Uncertainty - Level 9
 Develops highly specialised knowledge about decision making within organisations. Requires the critical synthesis and appraisal of different types of expertise and evidence in informing management practice.
Prerequisite: 90 points from BUSMBA 701-753

BUSMBA 770 30 Points
Managing Entrepreneurial Growth Project - Level 9
 Provides a practical opportunity for participants to work with a New Zealand or international business in an advisory capacity to develop strategic recommendations for growth locally and internationally. Develops a hands-on multi-disciplinary approach to recognising, assessing, and marketing entrepreneurial opportunities for new products and services. An overseas fieldtrip is required to complete the course.
Prerequisite: BUSMBA 760 and 90 points from BUSMBA 701-753

Commercial Law

Stage I

COMLAW 101 15 Points
Law in a Business Environment
 Decision makers in commerce and industry require an understanding of legal structures, concepts and obligations. Provides an introduction to the New Zealand legal system and the legal environment in which businesses operate, and also introduces legal concepts of property and the law of obligations, including detailed study of various forms of legal liability relevant to business.
Restriction: BUSINESS 111, COMLAW 191

Stage II

COMLAW 201 15 Points
Commercial Contracts
 Explores ways in which contracts enable businesses to operate and flourish, how contracts are formed, and what happens when things go wrong. Examines common provisions in commercial contracts using real life examples and employs problem-solving skills in considering typical case studies in a business context.
Prerequisite: COMLAW 101 or 191 or BUSINESS 114 and 115
Corequisite: BUSINESS 112 or 113

COMLAW 203 15 Points
Company Law
 Explores the nature of the company as the most used vehicle for doing business in New Zealand including its separate legal personality and the consequences of incorporation. Considers practical examples of corporate governance, share capital, how a company interacts with the world, and the roles of the stakeholders in a company including its directors and shareholders.
Prerequisite: COMLAW 101 or 191 or BUSINESS 114 and 115
Corequisite: BUSINESS 112 or 113

Stage III

COMLAW 300 15 Points
Directed Study

COMLAW 301 15 Points
Taxation
 An introduction to the Income Tax Act and the Goods and Services Tax Act, with emphasis on developing an understanding of these types of tax as relevant to taxpayers. Specific topics include the nature of income, taxation of common types of income (such as wages, shares and land), the deduction and prohibition of various types of expenses, tax accounting issues (cash or accrual basis), provisional tax, rebates, PAYE system, tax returns and an introduction to GST.
Prerequisite: COMLAW 201 or 203

COMLAW 303 15 Points
Receiverships and Reconstructions
 A business in difficulty may fail or it may be rehabilitated. Receiverships and Reconstructions looks at aspects of business failure and near failure including informal workouts, formal business rescue regimes, company receiverships and personal bankruptcy. Students will develop the skills and expertise to operate in these fields.
Prerequisite: COMLAW 203 or LAWCOMM 464

COMLAW 305 15 Points
Financial Markets Law
 Businesses need investment to grow. Many raise finance from the securities markets, in particular by listing on the Stock Exchange. Topics include raising money from the public and the rules relating to insider trading, market manipulation, disclosure obligations, takeovers and listing on the Stock Exchange and will benefit investment advisers and anyone involved in the financial markets.
Prerequisite: COMLAW 203

COMLAW 306 15 Points
Marketing Law
 Marketers are not free to say what they want. A variety of laws and codes govern the claims made about goods and services and the ways in which they are presented and sold. Marketing Law covers consumer legislation, product distribution, advertisement regulation, branding, privacy and competition law. It builds skills in problem solving, decision making and written communication.
Prerequisite: BUSINESS 115 or COMLAW 101, and COMLAW 201 or 203 or MKTG 201 or 203, and 30 points at Stage II

COMLAW 311 15 Points
Advanced Taxation
 An advanced study of Income Tax and Goods and Services Tax, with emphasis on the important tax regimes applicable to business taxpayers and high-wealth individuals. Specific topics include corporate taxation, dividends and imputation, company losses and grouping, qualifying companies, trusts, partnerships, financial accruals, international taxation, the disputes procedure and penalties regime, and evasion and avoidance.
Prerequisite: COMLAW 203 and 301, or LAW 429 and LLB Part II
Restriction: LAW 409

COMLAW 314 15 Points
Employment Law
 The success of a business depends on the maintaining of a productive relationship with its employees. Employment Law covers the legal principles governing the employment relationship. Specific topics include bargaining, personal

grievances, enforcement of employment contracts, strikes and lockouts, the rules regarding holidays, and health and safety obligations.

Prerequisite: COMLAW 201 or 203, or BUSINESS 115 or COMLAW 101 and MGMT 223, or LAW 121 or 131

COMLAW 316 15 Points

Applied Business Law

Considers how the law provides tools for businesses to thrive by expanding and connecting with customers and stakeholders. Explores challenges of the digital business environment and the extent to which sustainable business practices, ethics and kaitiakitanga are addressed within and outside legal frameworks.

Prerequisite: COMLAW 201, 203

COMLAW 318 15 Points

Special Topic

COMLAW 320 15 Points

Innovation, Technology, and the Law

New technologies and innovative ideas and information pose challenges and provide opportunities for business and society. Topics will be drawn from intellectual property protection and the commercialisation of emerging technologies, data governance and privacy, blockchain, artificial intelligence regulation, sustainable management of resources and risks, issues related to compliance, and on-line dispute resolution.

Prerequisite: 30 points at Stage II and BUSINESS 115 or COMLAW 101

Postgraduate 700 Level Courses

COMLAW 700 15 Points
Directed Study

COMLAW 703 30 Points

Legal Research, Writing and Contemporary Issues

The theory and application of legal research methodologies and the practice of legal writing, identifies and resolves key commercial law and taxation issues that arise for businesses and organisations operating in New Zealand.

COMLAW 759 30 Points

Applied Research Consultancy Project - Level 9

An applied practical opportunity for students to work with a New Zealand or international business or organisation in a consulting capacity to apply their advanced disciplinary knowledge and to develop research-informed strategic recommendations for a client.

COMLAW 780 30 Points

Research Project - Level 9

COMLAW 788 30 Points

Research Project - Level 9

COMLAW 791 60 Points

COMLAW 791A 30 Points

COMLAW 791B 30 Points

Dissertation - Level 9

To complete this course students must enrol in COMLAW 791 A and B, or COMLAW 791

COMLAW 796A 60 Points

COMLAW 796B 60 Points

Thesis in Commercial Law - Level 9

To complete this course students must enrol in COMLAW 796 A and B

Economics

Stage I

ECON 151 15 Points

ECON 151G 15 Points

Understanding the Global Economy

Economics affects our daily lives and the global environment in many ways. Through the media we are constantly made aware of price increases, interest rate changes, exchange rate movements and balance of payments problems, growth and recessions, standard of living comparisons, regional trading agreements. What does it all mean and how does it all work?

Restriction: BUSINESS 115, ECON 101, 111, 191

Restriction: ECON 101, 111, 152, 191

ECON 152 15 Points

Principles of Economics

Analysis of issues that affect our daily lives, including pricing decisions by firms and their impact on our cost of living; game theory and strategic decision-making; tackling problems of pollution and global warming; and how governments use monetary and fiscal policies to stimulate economic growth and address unemployment and inequality.

Prerequisite: BUSINESS 115 or ECON 151

Restriction: ECON 101, 111, 191

Stage II

ECON 200 15 Points

Special Topic

Prerequisite: ECON 111 or 152

ECON 201 15 Points

Microeconomics Analysis

Study of the allocation of scarce resources among competing end uses. Intermediate-level analysis of the economic behaviour of individual units, in particular consumers and firms. Although the focus is on perfectly competitive markets, attention is also given to other types of markets. Analysis also includes concepts of expected utility and uncertainty, and welfare economics.

Prerequisite: ECON 152 or 180 points in Mathematics or Statistics with a GPA of 5 or higher and a B or higher in MATHS 130

ECON 203 15 Points

Principles of Political Economy

Introduces themes of positive political economy and the normative foundations of policymaking. Analyses the role of institutions in influencing resource distribution, creating incentives, and consequently impacting economic outcomes, including the dynamics of inequality and economic growth.

Prerequisite: 15 points from BUSINESS 115, ECON 151, 152

ECON 211 15 Points

Macroeconomics Analysis

Provides an introduction to the dynamic microfoundations of macroeconomics, and demonstrates how we can utilise these foundations (i) to understand the trends and fluctuations of macroeconomic aggregates like national output, unemployment, inflation and interest rates, and (ii) to predict the outcome of alternative government policies related to current economic problems of New Zealand and the rest of the world.

Prerequisite: ECON 152 or 180 points in a BSc major in

Mathematics or Statistics with a GPA of 5 or higher and a B or higher in MATHS 130

ECON 212 15 Points

Strategic Reasoning

An introduction to the fundamental concepts of non-cooperative and cooperative game theory: the concept of strategy; two person constant sum non-cooperative games and the minmax value; n-person non-cooperative games and Nash equilibrium; examples and applications in auctions, bargaining and other economic models, political science and other fields; the idea of backward induction and sub-game perfection; introduction to games in coalitional form; the core and the Shapley value.

Prerequisite: 15 points from BUSINESS 115, ENGSCI 111, MATHS 108, 130, PHIL 101

ECON 221 15 Points

Introduction to Econometrics

Equips students with essential statistical skills and business analytics tools necessary for data analysis in economics, finance, marketing, and other related areas. Develops proficiency in applying statistical techniques to real-world business scenarios and decision-making challenges and using software for reproducible analyses.

Prerequisite: ECON 152, STATS 108

ECON 271 15 Points

Behavioural Economics

Scientists and philosophers have long pondered whether human decisions are primarily deliberative or more prone to emotions. This course brings together findings from economics, psychology and neuroscience to discuss decision making at the level of individuals, within small groups and in more anonymous and impersonal market settings with an emphasis on the role of social norms and cognitive biases.

Prerequisite: 15 points from BUSINESS 115, ECON 151, 152, ENGSCI 111, MATHS 108, 130, PHIL 101, PSYCH 108, 109, STATS 101, 108

Stage III

ECON 300 15 Points

Directed Study

ECON 301 15 Points

Advanced Microeconomics

Advanced treatment of aspects of consumer theory, producer theory, and game theory. Applications of this basic theory to the analysis of some topics in uncertainty, contracts, auctions, oligopoly, and information economics.

Prerequisite: ECON 201 and 15 points from ENGGEN 150, ENGSCI 111, MATHS 108, 130

ECON 302 15 Points

Labour Economics

The application of economics to labour issues that confront policymakers around the world. Examines how labour markets function and focuses on the use of economic frameworks to evaluate the effects of various policies, including education and training, welfare and taxation, workplace health and safety, minimum wages, and immigration. Discusses effective strategies to mitigate workplace discrimination.

Prerequisite: ECON 201

ECON 303 15 Points

Law, Economics and Institutions

Economic analysis of law and organisation, and the

application of economics to property rights, patents and natural resource management. Includes: contracts, transaction cost analysis, classical contracting, long-run contracts, enforcement, role of market forces, risk aversion, remedies for breach, economic theory for torts, negligence rules, strict liability, multiple torts, product liability. Special topics may include: crime, insider trading, and business law.

Prerequisite: 15 points from ECON 201, 212, 232

ECON 304 15 Points

Industrial and Digital Economics

Considers the interdependence of market structure, company behaviour, and market outcomes. Employs game theory concepts and tools to analyse imperfectly competitive markets, their impact on consumers and society at large, and implications for competition policy and regulation. A variety of market settings, including digital markets, are explored alongside real-world case studies.

Prerequisite: ECON 201

ECON 306 15 Points

Evidence-based Policy Making

Focuses on the evaluation of policy effectiveness. Develops skills in applying econometric tools to real-world policy issues, critically assessing research quality in policy studies, and equipping students to contribute to evidence-based policymaking. Coverage includes instrumental variables, discrete choice, difference-in-differences estimation, regression discontinuity, and panel data models.

Prerequisite: MATHS 102 or 108, and 15 points from ECON 221, STATS 201, 207, 208, 210, 225

ECON 311 15 Points

Advanced Macroeconomics

Designed to teach students modern macroeconomic analysis and focuses on the standard dynamic general equilibrium model, which is central to current macroeconomic research. Students are given a careful introduction to the overlapping generations version of this model and shown how this model can be adapted in different ways to address a wide variety of economic issues and policy questions.

Prerequisite: ECON 201 or 211, and 15 points from ENGGEN 150, ENGSCI 111, MATHS 108, 130

ECON 321 15 Points

Advanced Econometrics

Development of the linear regression model, its basis, problems, applications and extensions: demand systems, time-series analysis including unit roots and co-integration, simulation and resampling methods including an exposure to practical computing classes.

Prerequisite: 15 points from ECON 221, STATS 201, 207, 208, 210, 225 and 15 points from ENGGEN 150, ENGSCI 111, MATHS 108, 130

ECON 341 15 Points

International Trade

The main theories of international trade in goods and services, and of international movements of capital and labour. Partial equilibrium and general equilibrium analysis of the major instruments of trade policy, their economic effects, and the issues created by their use in practice. The economics of regional trading arrangements, such as free trade areas, customs unions and common markets.

Prerequisite: 15 points from ECON 201, 211, 232, 241

ECON 351 15 Points**Financial Economics**

A study of the modern literature on corporate finance, investments and derivative securities. An analysis of consumption and investment decisions in the presence of time and risk, asset pricing models and market efficiency. The term structure of interest rates and various issues in debt and equity financing. The use of derivative securities, e.g., forwards and/or options to manage exchange rate risk.
Prerequisite: ECON 201 and 15 points from ENGGEN 150, ENGSCI 111, MATHS 108, 130

ECON 352 15 Points**International Finance**

A study of the modern literature on exchange rate markets, exchange rate determination and the implications of exchange rate movements for various economic issues. Students will gain an understanding of why exchange rates change, of financial market arrangements, and of the reasons for, and implications of, recent events in international financial markets.

Prerequisite: 15 points from ECON 201, 211, 232, 241

ECON 361 15 Points**Public Economics**

A study of the role of the state in a modern mixed economy; its roles, measurement and accountability. Topics include: welfare theory, theory of public goods, cost-benefit analysis, budgetary issues, taxation theory and practice, insurance markets, and social insurance.

Prerequisite: ECON 201

ECON 372 15 Points**Energy and Environmental Economics**

Explores the theory and empirical practice of economic analysis as it is used in evaluating energy and environmental problems. Topics include natural resource economics, electricity and oil markets, environmental policy; analysis of economic instruments, such as tradable property rights and pollution taxes; the allocation of non-renewable and renewable resources; and sustainable development and climate change.

Prerequisite: ECON 201

Postgraduate 700 Level Courses**ECON 700 15 Points****Special Topic****ECON 701 15 Points****Microeconomic Theory**

Advanced treatment of traditional topics from "core" microeconomics, including consumer theory and duality, expected utility theory, general equilibrium, game theory and the economics of information.

ECON 704 15 Points**Directed Study****ECON 706 15 Points****Information and Digital Economy**

Develops insights into the digital economy by exploring topics spanning the differentiation of prices and products; search cost and price dispersion; network effects; economics of platforms; privacy; intellectual property; to antitrust regulations. Applies economic tools and principles such as game theory, industrial organisation, law and economics, competition policy and regulation, and information economics.

ECON 711 15 Points**Macroeconomic Theory and Policy**

Discusses advanced analytical tools and concepts used in modern macroeconomics and shows how to apply these tools in policy settings. The focus will be on dynamic macroeconomic models with micro-foundations and their applications to understanding macroeconomic policy issues, such as growth, fluctuations, debt-crises, ageing, unemployment, and global imbalances.

ECON 712 15 Points**Topics in Money, Banking and Finance**

An advanced treatment of macroeconomics focusing on contemporary issues that have been brought into sharp relief since the global financial crisis. Topics include models of financial crises, the role of financial markets and liquidity, sovereign debt, the relationship between financial intermediation and the macroeconomy, and the (unorthodox) way in which central bank policy is now conducted.

ECON 720 15 Points**Econometric Methods**

An overview of the theory and practice of econometrics for postgraduate business students.

Restriction: ECON 701, 711, 721, 723

ECON 722 15 Points**Applied Microeconometrics**

Provides an understanding of fundamental econometric methods and how to apply them to real-world microeconomic data, evaluate policies, and analyse firm and individual behaviour.

Prerequisite: ECON 306 or 321

Restriction: ECON 721

ECON 723 15 Points**Time Series and Panel Data Econometrics - Level 9**

Advanced theory and practice of time series and panel data econometrics, including stationary and non-stationary time series processes, macro econometric models, and causal identification. Students apply the methods by independently authoring a project that empirically investigates an economic issue or policy question.

Prerequisite: ECON 722

ECON 748 15 Points**International Economics**

Advanced treatment of selected developments in the theories and empirics of international economics as well as contemporary issues relating to trade strategies, international capital flows, and structural adjustment with an emphasis on developing countries.

Restriction: ECON 741

ECON 751 15 Points**Advanced International Finance**

A study of open-economy macroeconomic topics (theoretic, empirical and policy oriented), including models of exchange rate behaviour.

ECON 759 30 Points**Applied Research Consultancy Project - Level 9**

An applied practical opportunity for students to work with a New Zealand or international business or organisation in a consulting capacity to apply their advanced disciplinary knowledge and to develop research-informed strategic recommendations for a client.

ECON 766	15 Points
Political Economy	
Explores the political economy of institutions and contributes to acquiring knowledge of the current state of the literature and a command of the tools in the field. Topics typically include distribution and efficiency, dynamics of political power, beliefs, norms and institutions, media, coordination and protests, conflict, bureaucracy, and corruption.	
ECON 777	15 Points
Economic Development and Wellbeing	
Examines economy-wide issues in development, focusing on key factors and using real-world examples. Emphasis is placed on extracting policy insights from recent research and country experiences. Topics include geography, institutions, social welfare, and policy design for enhancing well-being in developing nations.	
<i>Restriction: ECON 771</i>	
ECON 780	15 Points
Climate and Energy Economics	
Examines issues related to the economics of climate change, energy transitions toward electrification, competing energy sources (fossil fuels and renewables), and regulation and market design issues for energy and carbon markets. Natural resource and electricity markets are explored in depth.	
<i>Restriction: ECON 783</i>	
ECON 786	15 Points
Behavioural and Applied Economics	
The application of economic principles and behavioural insights to address real-world decision-making challenges faced by individuals, organisations and society. Potential applications include contemporary issues in health, education, labour, urban or public economics. Evidence is drawn from a variety of sources, such as administrative or survey data, lab or field experiments to inform analyses or policy prescriptions.	
ECON 787	30 Points
Research Project - Level 9	
ECON 788	30 Points
ECON 788A	15 Points
ECON 788B	15 Points
Research Project - Level 9	
<i>Restriction: ECON 789</i>	
<i>To complete this course students must enrol in ECON 788 A and B, or ECON 788</i>	
ECON 791	60 Points
ECON 791A	30 Points
ECON 791B	30 Points
Dissertation - Level 9	
<i>To complete this course students must enrol in ECON 791 A and B, or ECON 791</i>	
ECON 792	45 Points
ECON 792A	22.5 Points
ECON 792B	22.5 Points
Dissertation - Level 9	
<i>To complete this course students must enrol in ECON 792 A and B, or ECON 792</i>	

ECON 796A	60 Points
ECON 796B	60 Points
Thesis - Level 9	
<i>To complete this course students must enrol in ECON 796 A and B</i>	

Finance

Stage II

FINANCE 251	15 Points
Financial Management	
Focuses on practical aspects of corporate finance. Topics covered include: concepts of value creation, risk and required rates of return, financial maths, capital budgeting, capital structure and dividend policies.	
<i>Prerequisite: ACCTG 102, and 15 points from ENGSCI 111, MATHS 108, STATS 101, 108</i>	

FINANCE 261	15 Points
Introduction to Investments	
Markets for shares, fixed income securities, options and futures. Methods of valuing shares, fixed income securities, options, and futures. Simple techniques of hedging risk. Portfolio diversification. Portfolio evaluation.	
<i>Prerequisite: FINANCE 251 and 15 points from STATS 101, 108 and 15 points from ENGSCI 111, MATHS 108, or at least 120 points in a BSc major in Mathematics or Statistics with a GPA of at least 5 and a B or higher in MATHS 130</i>	

Stage III

FINANCE 300	15 Points
Directed Study	
FINANCE 301	15 Points
Accounting for Sustainability	
Explores the integration of sustainability principles into accounting and finance practices. Considers how businesses and organisations can measure, report, and manage their social, environmental, and economic impacts. Topics include sustainability reporting standards, ethical considerations, financial analysis tools, and strategies for sustainable financial decision-making.	
<i>Prerequisite: 15 points from ACCTG 211, ECON 201, FINANCE 251</i>	

FINANCE 351	15 Points
Advanced Financial Management	
A rigorous study of advanced capital budgeting procedures, more difficult aspects associated with capital structure and dividend decisions, mergers and acquisitions. Case study applications of financial management are used. A continuation of the material introduced in FINANCE 251.	
<i>Prerequisite: FINANCE 251</i>	

FINANCE 361	15 Points
Modern Investment Theory and Management	
Portfolio theory and equilibrium asset pricing models and empirical tests. Portfolio management (forecasting, construction, administration and evaluation) including issues relating to fixed interest and international equity investment. A continuation of the material introduced in FINANCE 261.	
<i>Prerequisite: FINANCE 261 and 15 points from ENGSCI 211, MATHS 208, 250</i>	

FINANCE 362	15 Points
Risk Management	
Examines theoretical and practical aspects of risk management with an emphasis on the effective use of	

futures, options and other financial derivatives to control market risk exposure. Reviews no-arbitrage methods used to value financial futures and options, including the Black-Scholes model and binomial tree numerical methods.

Prerequisite: FINANCE 261 and 15 points from ENGSCI 211, MATHS 208, 250

FINANCE 383 **15 Points** **Banking and Financial Institutions**

Provides a thorough understanding of the role of banks and other financial institutions in the economy. It focuses on the problems of risk management and regulation with a particular emphasis on problems, crises and most importantly the Global Financial Crisis.

Prerequisite: FINANCE 251 or ECON 201 and 211

FINANCE 384 **15 Points** **Machine Learning in Finance**

Explores the most commonly used supervised machine learning techniques and their practical applications in portfolio management, trading, and valuation within the finance domain.

Prerequisite: FINANCE 261

Postgraduate 700 Level Courses

FINANCE 700 **15 Points** **Directed Study**

FINANCE 701 **15 Points** **Research Methods in Finance**

The theory and application of modern research methods in finance. The content will include the philosophy, process and design of scientific research. Prior knowledge of basic statistical techniques is assumed.

Restriction: ACCTG 701

FINANCE 702 **15 Points** **Governance Issues in Finance**

An introduction to the economic literatures relating to property rights, transaction cost economics, and agency theory. Application of these notions to the way in which organisations are structured. Identification of why some transactions are internalised and some are undertaken through markets. The application of these ideas to finance.

Restriction: ACCTG 702

FINANCE 703 **15 Points** **Special Topic**

FINANCE 705 **15 Points** **Empirical Finance**

Examines the theory and application of modern research methods in finance. Through exposure to a range of contemporary research issues students will develop a basic framework of how to conduct research, and an overview of some of the pitfalls.

FINANCE 707 **15 Points** **Applied Finance Research - Level 9**

Examines contemporary theories and research practices in finance. Students apply the theories and practices by independently authoring and presenting a research project.

Prerequisite: FINANCE 701

Restriction: ACCTG 707

FINANCE 710 **15 Points** **Financial Machine Learning**

Applies contemporary machine learning techniques to problems in finance. Students will apply and evaluate machine learning models in areas such as

predictive modeling and natural language processing. It is recommended that students have prior knowledge of mathematics at the level of MATHS 208 and a basic understanding of finance theory.

FINANCE 751 **15 Points** **Modern Corporate Finance**

Examines fundamental principles of corporate financial theory and discusses current issues, seminal theoretical contributions and empirical evidence regarding those theories. Specific topics will be chosen from capital structure, dividend policy, security issuance, mergers and acquisitions, corporate control and initial public offerings.

FINANCE 759 **30 Points** **Applied Research Consultancy Project - Level 9**

An applied practical opportunity for students to work with a New Zealand or international business or organisation in a consulting capacity to apply their advanced disciplinary knowledge and to develop research-informed strategic recommendations for a client.

FINANCE 761 **15 Points** **Portfolio Theory and Investment Analysis**

Advanced coverage of contemporary issues in investments through readings of classic theoretical articles and recent empirical studies. Topics include market efficiency and empirical anomalies, risk-return relationships, and investment vehicles and strategies. This course builds on material covered in undergraduate courses in investments and financial markets, and it presumes the students have a working knowledge of calculus and linear algebra.

FINANCE 762 **15 Points** **Risk Management**

The theory and practice of financial risk management for portfolio managers with an emphasis on defining and measuring market risk. This course builds on material covered in FINANCE 362 and MATHS 208 with extensions to include the use of futures, options and other financial derivatives to manage market risk.

FINANCE 781 **15 Points** **Financial Machine Learning**

Students are expected to apply contemporary machine learning methods to topics in finance. The course focuses on the design and implementation of machine learning solutions in the field of finance.

FINANCE 782 **15 Points** **Special Topic**

FINANCE 788 **30 Points**

FINANCE 788A **15 Points**

FINANCE 788B **15 Points**

Research Project - Level 9

Restriction: FINANCE 789

To complete this course students must enrol in FINANCE 788 A and B, or FINANCE 788

FINANCE 790 **30 Points** **Research Project - Level 9**

FINANCE 791 **60 Points**

FINANCE 791A **30 Points**

FINANCE 791B **30 Points**

Dissertation - Level 9

To complete this course students must enrol in FINANCE 791 A and B, or FINANCE 791

FINANCE 796A 60 Points
FINANCE 796B 60 Points
Thesis - Level 9
 To complete this course students must enrol in FINANCE 796 A and B

Global Management and Innovation

Postgraduate 700 Level Courses

GLMI 700 15 Points
Directed Study

GLMI 701 15 Points
Competing Globally

Examines why, when and how firms compete across borders, by analysing economic, social, institutional and evolutionary perspectives of what makes some firms more successful than their competitors. Emphasis on the dynamics of contemporary global markets and how international businesses both create and adapt to industry changes.

Restriction: INTBUS 701

GLMI 702 15 Points
Global Talent Management

Explores GTM issues and debates including factors impacting how firms identify, develop and retain talent. Considers how context, GTM policies, approaches, strategies and practices play out across borders for multinationals.

Restriction: INTBUS 702

GLMI 703 15 Points
Global Digital Strategy - Level 9

Critically evaluates digital strategies in global markets, focusing on digital transformations and strategic innovations in multinational and born-digital firms. Assesses and creates strategic solutions for digital challenges in international business, emphasising digital platforms, cross-border alliances, and global sustainability.

Restriction: INTBUS 703

GLMI 704 15 Points
Global Sustainability

Investigates social, environmental and governance challenges facing businesses and societies and explores the sustainability of corporate strategies in global markets. Considers the role of competition and governance in shaping international business responses to sustainability challenges, solutions and potential pathways towards greater sustainability.

Restriction: INTBUS 706

GLMI 705 15 Points
People, Performance and Well-being - Level 9

Evaluates the dynamics of the employment relationship, emphasising the critical analysis of how human resource strategies influence organisational performance and employee well-being. Examines approaches used to enhance mutuality and motivation within workforces, focusing on strategic development and the balance of organisational, societal and employee needs.

Restriction: MGMT 711, 712

GLMI 706 15 Points
Working in an Age of Uncertainty

Explores the contemporary environment which contains high levels of uncertainty, stemming from new technologies and changes in economy and society. Critically examines

issues confronting organisations and work in these fast-paced, fluid and complex contexts, such as power and voice, meaning and dignity, and alternative forms of organising.

GLMI 707 15 Points
Organisational Change

Explores the field of organisational change and explains its relevance to organisational outcomes. Considers different organisational change models and assess their application to specific organisational issues. Develops skills related to effective diagnosis and management of organisational change and in determining its impact on key stakeholders, including employees.

Restriction: MGMT 733, 737

GLMI 708 15 Points
Self-leadership and Professional Growth

Focuses on knowledge of theory, self-directed explorations of values and skill development. Provides opportunities to master techniques in self-management and self-leadership. Develops professional capabilities which are applied to a project.

GLMI 709 15 Points
New Ventures and Global Connectivity

Explores the complexities of launching new ventures in a connected world. Focuses on evaluating opportunities and impact, formulating business models, and strategies for mobilising knowledge and resources. Highlights the significance of trends like digitalisation and sustainability within and between entrepreneurial ecosystems.

Restriction: INTBUS 705, MGMT 715

GLMI 710 15 Points
Leveraging Innovation Ecosystems

Considers the role of knowledge in supporting innovation for organisational profitability and growth, including core knowledge processes and approaches for managing knowledge in transdisciplinary contexts. Explores effective strategies on managing knowledge processes to support cooperation and collaboration among diverse stakeholders across transdisciplinary contexts.

Restriction: MGMT 721

GLMI 711 15 Points
Strategic Entrepreneurship in Action

Examines the challenges of planning and decision-making in the unpredictable world of startups and new ventures. Equips students with theoretical insights and practical tools for strategic analysis and management to enable the crafting of effective strategies in real-world entrepreneurial scenarios. Uses case studies and applied projects to explore the strategies that drive success in innovative and fast-paced business environments.

Restriction: MGMT 726

GLMI 712 15 Points
Contemporary Approaches to Innovation and Business Design

Develops understanding of design tools and processes essential for fostering innovation in businesses and organisations. Through theoretical knowledge and practical application, students explore design methodologies, tools and techniques used to drive forward-thinking solutions.

GLMI 759 30 Points
Applied Research Consultancy Project - Level 9

An applied practical opportunity for students to work with a New Zealand or international business or organisation in

a consulting capacity to apply their advanced disciplinary knowledge and to develop research-informed strategic recommendations for a client.

GLMI 780 30 Points
Research Project - Level 9

GLMI 790 30 Points
Research Project - Level 9

GLMI 791 60 Points
GLMI 791A 30 Points
GLMI 791B 30 Points
Dissertation - Level 9

To complete this course students must enrol in GLMI 791 A and B, or GLMI 791

GLMI 796A 60 Points
GLMI 796B 60 Points
Thesis - Level 9
To complete this course students must enrol in GLMI 796 A and B

Information Governance

Postgraduate 700 Level Courses

INFOGOV 700 15 Points
Environment of Information Governance

Key legal and governance concepts, practices, structures and mechanisms are studied. This includes a focus on data protection issues. Legal and de facto rules are analysed including their creation, reform and enforcement; business agreements and their interpretation are introduced and relevant standards are evaluated.

INFOGOV 701 15 Points
Information Research in Practice

Develops and applies general and context-specific research methods. Identifies and resolves key research issues that arise for businesses and organisations. Explores application of research methodologies.
Corequisite: INFOGOV 700

INFOGOV 702 15 Points
Information Ethics

Examines ethical, cultural and policy-related concepts related to information, from generation, collection and storage to analysis, application and dissemination, including review and feedback mechanisms. The concepts include research ethics, privacy and surveillance, information and discrimination, professional codes, responsible innovation and the use of algorithms.
Corequisite: INFOGOV 700

INFOGOV 703 15 Points
Impact of New Technologies

Explores themes in the development, usage and regulation of new technologies. Examines a range of technologies such as blockchain technology, and other distributed ledger technologies with reference to compliance, including their implementation and impact in industry and on society. The legal issues arising from the use of smart contracts are investigated.
Corequisite: INFOGOV 700

INFOGOV 704 15 Points
Artificial Intelligence Regulation - Level 9

Critically analyses the legal and policy issues created by advanced artificial intelligence technologies, including

regulatory response. Evaluates efficiency, proportionality and necessity of existing or suggested regulation, and develops proposals for the regulation of future challenges. Develops independent research skills including an ability to work in multidisciplinary groups and communicate findings to audiences from a range of disciplinary and jurisdictional backgrounds.

Prerequisite: INFOGOV 700

INFOGOV 705 30 Points
Information Privacy: Theory and Application - Level 9

Critically evaluates the frameworks protecting personal information including their theoretical underpinnings and global reach. Explores the challenges to regulatory frameworks from rapid technological and social changes and encourages independent research as to how these may be addressed. Considers how leadership and accountability mechanisms can impact an organisation's ability to adapt information privacy requirements to unpredictable, complex and ill-defined environments.

Prerequisite: INFOGOV 700

INFOGOV 706 15 Points
Cybersecurity Techniques and Governance

Focuses on information security strategies to address cybercrime. Includes analysis and critique of basic technological and managerial issues related to information security. Related regulations and standards will be also discussed.

Corequisite: INFOGOV 700

INFOGOV 707 15 Points
Dispute Resolution Techniques

Addresses a range of appropriate dispute resolution mechanisms to address complaints. Techniques and best practice for facilitating negotiation of disputes through mediation including skills to assist dispute resolution. Explores negotiation theories, styles, strategies, tactics, and techniques.

Corequisite: INFOGOV 700

INFOGOV 708 15 Points
Intellectual Property and Information

Examines the information governance implications of data-driven innovation and its impact on intellectual and cultural property protection. Explores intellectual and cultural property management strategies to address public policy issues related to information governance.

Corequisite: INFOGOV 700

INFOGOV 709 15 Points
Access to Information

Explores access to information from a global and national perspective. Critically evaluates individuals' right to access to information. Examines the interrelationship between access to information, privacy and data governance. Addresses techniques and procedural rules to evaluate the validity of requests for access to information and grounds for refusal.

Corequisite: INFOGOV 700

INFOGOV 710 15 Points
Sector Regulation

Explores industry-specific information governance requirements. Critically evaluates information governance across public and private sectors. Examines key industry regulations including information governance in healthcare, marketing and insurance. Analyses the role of different

regulators in the public sector that address information governance.

Corequisite: INFOGOV 700

INFOGOV 711 15 Points
Special Topic

INFOGOV 712 15 Points
Special Topic

INFOGOV 720 30 Points

INFOGOV 720A 15 Points

INFOGOV 720B 15 Points

Information Governance Project - Level 9

A research-informed consultancy project employing appropriate theories and methodologies to develop and present solutions for issues in information governance.

Prerequisite: INFOGOV 701, 705

To complete this course students must enrol in INFOGOV 720 A and B, or INFOGOV 720

INFOGOV 780 30 Points

INFOGOV 780A 15 Points

INFOGOV 780B 15 Points

Research Project - Level 9

Prerequisite: INFOGOV 701, 705

To complete this course students must enrol in INFOGOV 780 A and B, or INFOGOV 780

Information Systems

Stage I

INFOSYS 110 15 Points

Digital Systems

Explores how information systems and analytical tools help organisations to innovate, optimise and deliver value. Examines how the development and implementation of systems and technologies coordinate and manage information, people, and processes within data governance and privacy frameworks.

Stage II

INFOSYS 220 15 Points

Business Systems Analysis

An Information Technology (IT) professional must understand how IT systems are constructed and tested and how quality is assessed, in order to manage, develop or provide innovative business solutions. Business Systems Analysis introduces systems development process concepts and activities, with a strong focus on understanding the problem and solution through modelling.

Prerequisite: 15 points from COMPSCI 101, 105, 107, 130, INFOMGMT 192, INFOSYS 110

Restriction: INFOMGMT 291

INFOSYS 221 15 Points

Programming for Business

Focuses on enhancing Business/IT professional skills. Develops and applies problem-solving and algorithmic skills through pseudocode and fundamental programming constructs. Applies a design thinking methodology of empathise, ideate, design, prototype and test to build applications relevant to current business domains.

Prerequisite: INFOSYS 110

Restriction: COMPSCI 101, 130

INFOSYS 222 15 Points

Database Systems

Managers and other knowledge workers find that many of their duties revolve around accessing, organising, and presenting organisational and external information. The ability to develop and use computer databases is becoming a critical skill that is required in many disciplines. These skills are developed through an introduction to data modelling, relational theory, database design, and the management of databases.

Prerequisite: 15 points from COMPSCI 101, 105, 107, 130, INFOSYS 110

Stage III

INFOSYS 300 15 Points

Robotic Process Automation

Examines Robotic Process Automation (RPA) Systems and how RPA fits into the current information technology setups and helps the modern organisation address business process-related problems and opportunities. Examines the benefits and limitations of RPA and how it differs from other business solution technologies.

Prerequisite: 30 points at Stage II in Accounting, Business Analytics, Computer Science, Engineering Science, Information Management, Information Systems, Marketing, Operations and Supply Chain Management, Software Engineering

Restriction: SOFTENG 762

INFOSYS 301 15 Points

Directed Study

INFOSYS 302 15 Points

Special Topic

INFOSYS 303 15 Points

Solutions Architecture

Information systems specifically designed for organisational IT environments provide competitive advantages. Focuses on using high quality information architecture to address business requirements including the iterative use of system analysis, design and prototyping. Develops familiarity with state-of-the-art modelling, development, and deployment environments, and solutions for designing business systems architecture.

Prerequisite: INFOSYS 220, and BUSAN 201 or INFOSYS 222

Restriction: INFOSYS 320

INFOSYS 304 15 Points

IT Infrastructure

Modern IT infrastructure relies on a functionally hierarchical network designed around the OSI model. Explores internet-oriented backbones and high-speed access infrastructure, and uses the TCP/IP suite, cloud infrastructure and digital services, and applications to understand basic and business-oriented infrastructure challenges such as capacity planning, architecture design, and scaling of IT infrastructure and applications.

Prerequisite: 15 points from COMPSCI 230, INFOSYS 220 and 15 points from COMPSCI 215, 235, INFOSYS 222

Restriction: INFOSYS 224, 322, 339

INFOSYS 305 15 Points

Digital Strategy and Transformation

Explores strategic opportunities for delivering value through digital technologies. Examines best practices to ensure the effective development and operation of digital capabilities in the global context by aligning business and information

technology strategies, controlling risks, and complying with regulatory requirements and standards.

Prerequisite: INFOSYS 220, 222

Restriction: INFOSYS 323

INFOSYS 306 15 Points

Digital Business and Innovation

Explores the prominent IT-enabled innovative business models and digital platforms that result in the digital transformation of industries, businesses, products and services. Examines the strategic and economic foundations of digital platforms and models. Discusses the design, coordination and management of the ecosystems underpinning the digital business models and platforms.

Prerequisite: 30 points at Stage II in either Accounting, Business Analytics, Computer Science, Engineering Science, Information Management, Information Systems, Marketing, Operations and Supply Chain Management, Software Engineering

Restriction: INFOSYS 323, 338, 344

INFOSYS 307 15 Points

Special Topic

INFOSYS 321 15 Points

Enterprise Systems

Examines cross-functional integrated computer-based information systems, known as Enterprise Resource Planning (ERP) systems, designed to support an organisation's information needs and operations. Considers issues associated with the selection, analysis, design, implementation and configuration of such systems. Investigates transaction processing, management information and decision support across an organisation's business processes. Explores the characterisation of problems, in terms of process and information models.

Prerequisite: 15 points at Stage II in Accounting, Business Analytics, Computer Science, Engineering Science, Information Management, Information Systems, Marketing, Operations Management, Software Engineering

INFOSYS 341 15 Points

Information Security in Business

An overview of policies, procedures, activities and methods used to manage information assets securely. Topics covered include governance and strategic planning, protection mechanisms, information security practices and policies, risk assessment and management, contingency and response planning, and the legal, and ethical issues associated with information security.

Prerequisite: 30 points at Stage II in either Business Analytics, Computer Science, Information Systems

Postgraduate 700 Level Courses

INFOSYS 700 15 Points

Digital Innovation

New information technologies are transforming how innovations are created, distributed, and commercialised. Focuses on the practices for digital innovation creation, distribution, and commercialisation as well as the digital strategies needed to manage such digital innovations.

INFOSYS 702 15 Points

Special Topic

INFOSYS 703 15 Points

Managing with Artificial Intelligence

Focuses on a business perspective of the use of Artificial Intelligence (AI) tools and solutions in organisations.

Explores how different AI-enabled tools and solutions contribute to organisational and societal objectives and values. Aims to prepare students for jobs that involve technology consultancy and management of technology, with specific focus on AI as an emergent technology.

INFOSYS 704 15 Points

IT Consultancy

Delves into IT consulting, equipping students with the skills to analyse, evaluate, and provide effective counsel to organizations in the public and private sectors. Students are introduced to concepts, frameworks, processes, roadmaps, and technologies of IT consulting. Equips students with the frameworks, processes, roadmaps and technologies to support IT consultancy processes employed in advising organisations in the public and private sectors.

INFOSYS 705 15 Points

Directed Study

INFOSYS 706 15 Points

Digital Sustainability

Informs students about the opportunities in harnessing technology to address the UN SDGs. The course will be guided by the digital sustainability framework (digital maturity, governance, orientation and partnership) and will use real use-cases to develop solutions by students.

INFOSYS 707 15 Points

Special Topic

INFOSYS 708 15 Points

Special Topic

INFOSYS 709 15 Points

Contemporary Issues in Information Systems Practice - Level 9

An advanced study and substantial review of operations research and supply chain management relating to contemporary issues, providing students with in-depth knowledge of key topics.

Prerequisite: 15 points from INFOSYS 700-757

INFOSYS 720 15 Points

Information Systems Research - Level 9

A substantive review of research in the discipline of information systems with a focus on behavioural and design science aspects. Behavioural, strategic and social issues relating to the design, implementation, use and impact of information technology applications will be studied.

Prerequisite: 15 points from INFOSYS 700-757

INFOSYS 722 15 Points

Data Mining and Big Data

Data mining and big data involves storing, processing, analysing and making sense of huge volumes of data extracted in many formats and from many sources. Using information systems frameworks and knowledge discovery concepts, this project-based course uses cutting-edge business intelligence tools for data analytics.

INFOSYS 727 15 Points

Advanced Information Security

Focuses on technical security issues of the systems used in today's information technology applications. Explores the practical issues of identification and authentication, security of operating systems, cryptography, disaster recovery and contingency planning, and discusses the relevant theoretical models. Managerial aspects of information security issues as well as legal and ethical issues arising from protecting computer files both from a

New Zealand and global perspective will be addressed. The course follows the content of CISSP certification.

INFOSYS 735 15 Points

Cloud Computing Architecture

Cloud Computing Architecture combines practical skills development with broader research and critical thinking skills to enable the student to analyze concepts relating to cloud computing. The curriculum is delivered through instructor-led classes, knowledge assessments, and hands-on labs designed to develop technical expertise in cloud computing and preparing students for a career in cloud solutions.

INFOSYS 750 15 Points

Quantitative Methods in Information Systems

A comprehensive review of the methodological issues in information systems research, including detailed coverage of univariate and multivariate data analysis.

Prerequisite: 15 points from STATS 201-255, or equivalent

Restriction: MKTG 703, 704

INFOSYS 751 15 Points

Qualitative Methods in Information Systems

Focus is on the conduct and evaluation of qualitative research for the information systems discipline. Reviews various qualitative research methods and ways of analysing qualitative data and the challenges of writing up qualitative research work for conferences and peer-reviewed academic journals.

Restriction: MKTG 703, 704

INFOSYS 757 15 Points

Project Management and Outsourcing

Takes a project manager perspective to analyse, evaluate and discuss approaches for managing complex projects, focusing on projects involving sourcing of IT/digital business services. Considers strategies for balancing competing demands among scope, time, cost, and quality while working with internal organisational stakeholders, third parties, and project team members. Examines the outsourcing project lifecycle.

Restriction: OPSMG 757

INFOSYS 759 30 Points

Applied Research Consultancy Project - Level 9

An applied practical opportunity for students to work with a New Zealand or international business or organisation in a consulting capacity to apply their advanced disciplinary knowledge and to develop research-informed strategic recommendations for a client.

INFOSYS 788 30 Points

Research Project - Level 9

Prerequisite: INFOSYS 750 or 751

Restriction: INFOSYS 789

INFOSYS 790 30 Points

Research Project - Level 9

INFOSYS 791 60 Points

INFOSYS 791A 30 Points

INFOSYS 791B 30 Points

Dissertation - Level 9

To complete this course students must enrol in INFOSYS 791 A and B, or INFOSYS 791

INFOSYS 796A 60 Points

INFOSYS 796B 60 Points

MCom Thesis in Information Systems - Level 9

To complete this course students must enrol in INFOSYS 796 A and B

Innovation

Stage I

INNOVATE 100 15 Points

INNOVATE 100G 15 Points

Innovation through Design

Introduces design thinking and develops a user-centred approach to innovation, emphasising the importance of a deep understanding of user needs throughout an iterative ideation and prototyping process. Utilising the maker space at the Unleash Space and a range of digital tools, students will develop practical making and early stage prototyping skills.

Innovation and Entrepreneurship

Stage II

INNOVENT 203 15 Points

The Entrepreneurial Mindset

Seeks to foster a fundamental set of beliefs that enables students to act entrepreneurially in all aspects of life and create positive change for themselves and those around them. This includes attitudes required to reframe problems as opportunities, develop and maintain meaningful relationships with others, create a positive impact, and persist in the face of setbacks.

Prerequisite: 15 points from BUSINESS 112, 113, or 90 points passed, or 60 points from Part I of the BE(Hons) Schedule

INNOVENT 204 15 Points

Entrepreneurial Opportunities

Applies processes for creating, evaluating and realising entrepreneurial opportunities. Presents approaches to making decisions under conditions of uncertainty in a variety of entrepreneurial contexts. Skills to assess opportunities and associated business models and communicate a credible and compelling business case are introduced.

Prerequisite: BUSINESS 102 or 103 or 112 or 113, or INNOVATE 100 or 100G or SCIGEN 201

Restriction: INNOVENT 202

Stage III

INNOVENT 300 15 Points

Directed Study

INNOVENT 305 15 Points

Special Topic

Prerequisite: 15 points from ENGGEN 302, 303, INNOVENT 201, 203, 204, MGMT 202, 211, SCIGEN 201

INNOVENT 307 15 Points

Ecosystems for Innovation and Entrepreneurship

Introduces the eco-system concept to examine ways that innovating firms interact with various actors to build and sustain viable global enterprises. Actors include: suppliers, competitors, investors, users/customers, governments and universities. Develops the analytical skills needed

to identify different actors for potential partnerships and strategies to engage with them.

Prerequisite: 15 points from ENGGEN 302, 303, INNOVENT 201, 203, 204, MGMT 202, 211, SCIGEN 201

INNOVENT 308 15 Points

Advanced Entrepreneurship

Extends entrepreneurial knowledge and applies advanced skills in the context of a student-defined project focused on an innovative opportunity with international potential. Develops an integrated understanding of the complex interactions with internal and external stakeholders that are relevant for scaling an entrepreneurial opportunity.

Prerequisite: INNOVENT 204

Restriction: INNOVENT 303

INNOVENT 309 15 Points

Responsible Innovation

Methods, tools and techniques for responsible innovation and new product development. Frameworks for managing the creative front end of innovation, and anticipating social and ethical issues associated with green and clean technology, circular economy, and frugal innovation trends.

Prerequisite: 15 points from ENGGEN 303, INNOVENT 201, 203, 204, SCIGEN 201

Restriction: INNOVENT 302

INNOVENT 310 15 Points

Women in Entrepreneurship

Explores opportunities and challenges faced by women entrepreneurs in today's global economy. Examines issues related to gender bias, entrepreneurial finance, and growing the entrepreneurial venture. Develops skills for starting and growing an entrepreneurial venture through collaborative, real world opportunity-based assessments.

Prerequisite: Either 15 points from INNOVENT 201, 203, 204, SCIGEN 201, or 60 points at Stage II

International Business

Stage I

INTBUS 151 15 Points

INTBUS 151G 15 Points

Business across Borders

Business on a global scale presents unique challenges and unrivalled opportunities to companies equipped to cross national boundaries. Set against a background of current events, the course explores the influence of international trade and multinational corporations on the contemporary global economy.

Restriction: BUSINESS 101, 111, INTBUS 201, 202

Stage II

INTBUS 201 15 Points

Foundations of International Business

Explores the distinctive nature of business conducted beyond the boundary of the domestic market. Examines how firms reach multinational scale while exposed to the turbulence and complexity of international political and economic forces.

Prerequisite: Either 15 points from BUSINESS 102, 112, 113, MGMT 101 and 15 points from BUSINESS 115, ECON 111, 151, 152, 191, or 15 points from ECON 111, 151, 152 and 30 points in International Relations and Business

Restriction: INTBUS 210, 211

INTBUS 202 15 Points

Foundations of Strategy

Examines how firms compete. Focuses on the frameworks and tools needed to make sense of the competitive landscape in order to formulate and implement strategies. Considers the challenges and constraints that managers face in increasingly complex environments and industries.

Prerequisite: 15 points from BUSINESS 102, 112, 113, MGMT 101, or 15 points from ECON 151, 152 and 30 points in International Relations and Business

Stage III

INTBUS 300 15 Points

Firms across Frontiers

Examines international business theories underlying the existence and development of international firms. Analysis of contemporary international business issues.

Prerequisite: INTBUS 201 or 202

Restriction: INTBUS 301, 302

INTBUS 305 15 Points

Governing International Business

Firms that compete internationally need to employ political strategies and understand the governing institutions that affect their ability to do business. Examines the interactions between international firms and governing institutions, and explores the implications of the international regulatory framework for specific industries.

Prerequisite: BUSINESS 200 or INTBUS 201

Restriction: INTBUS 304

INTBUS 306 15 Points

Global and Regional Business

Focuses on the conduct of business in the world's regions. Examines globalisation, regionalisation and market integration and their impact on firms.

Prerequisite: BUSINESS 200 or INTBUS 201

Restriction: INTBUS 310, 311, 312, 313

INTBUS 307 15 Points

International Management and Strategy

Examines theories and practices of management in a cross-border context. Focuses on strategies and their implementation in international markets and how management changes when done internationally.

Prerequisite: INTBUS 201 or 202 or 210 or 211

Restriction: INTBUS 303

INTBUS 308 15 Points

Special Topic

Prerequisite: INTBUS 201 or 202 or 210 or 211

INTBUS 309 15 Points

Directed Study

INTBUS 333 15 Points

International Business Strategy

Examines how multinational enterprises (MNEs) and smaller internationalised companies compete successfully across borders. Considers how firms decide which markets to enter and how to pursue growth, and how they might do so given their position in dynamic industrial, national and global contexts.

Prerequisite: INTBUS 201 or 202

Restriction: INTBUS 300

INTBUS 337 15 Points

International Management

Explores issues in the management of global enterprises, including evolving forms and management practices in

cross-border business. Provides an understanding of cross-cultural and human resource management in international contexts.

Prerequisite: INTBUS 201 or 202

Restriction: INTBUS 307

Leadership and Governance

Postgraduate 700 Level Courses

LDGOV 701 15 Points

Effective Governance

Explores effective governance principles in a New Zealand context (corporate, Not-For-Profit, project and indigenous) including the role, function and dynamics of boards, board practice and engagement, board member obligations and governance success and failure.

LDGOV 702 15 Points

Cross Organisational Leadership

Explores contemporary challenges confronting leadership including ethics, sustainability, diversity, complexity, partnership and power sharing, particularly related to Te Tiriti o Waitangi, collaborative and network dynamics.

LDGOV 703 15 Points

Leadership in Governance

Integrates leadership and governance thinking and practice through a focus on decision-making, dynamics, relationships and processes in a board context. Pays particular attention to leadership at three levels: team leadership at board level, the Chair's leadership of the board and strategic leadership by the board.

LDGOV 704 15 Points

Current Issues in New Zealand Governance

Explores developments in governance applied in a New Zealand context focussing on issues around the nature, role and purpose of corporations and their governing bodies and developments such as corporate purpose, integrated reporting, Environmental, Social and Governance (ESG) and shareholder/stakeholder/entity primacy. Includes consideration of Te Tiriti o Waitangi, application of Te Ao Māori principles and governance of Small/Medium Enterprises (SMEs).

LDGOV 705 15 Points

International Developments in Leadership and Governance

Explores international issues and developments, analyses research and innovations, and evaluates trends in the area of leadership and governance.

LDGOV 706 15 Points

The Aspiring Director

Explores the manager to director transition focusing on readiness, career, roles, duties, accountabilities, knowledge and skills.

LDGOV 710 15 Points

Special Topic

LDGOV 711 15 Points

Special Topic

Management

Stage II

MGMT 211 15 Points

Understanding Organisations

Examines the nature of organisations, groups, and people, and how they affect each other. Provides students with diverse learning opportunities that develop approaches to assist with navigating organisations successfully.

Prerequisite: BUSINESS 112 or 30 points at Stage I from Anthropology, Communication, Employment Relation and Organisation Studies or Sociology

MGMT 223 15 Points

Understanding Work and People

Examines the forces shaping the nature and quality of work and their impact for individuals, organisations and communities. Explores the evolution of work to better understand contemporary challenges related to organising work, technology, globalisation, diversity, and worker voice and power. Develops critical, analytical and reflective skills.

Prerequisite: Either BUSINESS 112, or 30 points at Stage I from Anthropology, Communication, Employment Relation and Organisation Studies or Sociology

Stage III

MGMT 300 15 Points

Management in Dynamic Contexts

Explore and reflect on the realities of management theory and practice through critically examining management challenges, from small entrepreneurial firms to large corporations.

Prerequisite: BUSINESS 200 or MGMT 202 or MGMT 211 or ENGGEN 302 or ENGGEN 303 or SCIGEN 201

Restriction: MGMT 301

MGMT 302 15 Points

Strategic Management

Engages in a holistic exploration of the tensions that arise from content – the what, where, and how – in the process and context of strategy to develop skills and knowledge for addressing wicked problems.

Prerequisite: 15 points at Stage II in Business, International Business, Innovation and Entrepreneurship, Management, or 15 points from ENGGEN 204, 303, SCIGEN 201, 301, 301G

Restriction: BUSINESS 304

MGMT 304 15 Points

HR Policy and Practice

Examines the factors affecting employee performance and well-being in employment relationships. Explores core principles and practices of human resource management (HRM) from staffing and work design, to training and development, performance management, reward management, and employee relations – across various contexts.

Prerequisite: MGMT 211 or 223

MGMT 309 15 Points

Organisational Ethics and Sustainability

Explores ethical principles and the concepts of sustainability and applies these to real-life corporate social responsibility examples. Provides in-depth analysis of the tensions organisations face when trying to operate responsibly within a complex web of stakeholders and further identifies avenues for business to ethically navigate these. Emphasis is placed on 'people and place' and explores

how organisations can depart from 'Business as Usual' by adopting a guardianship or kaitiakitanga perspective.

Prerequisite: BUSINESS 200 or MGMT 211 or MGMT 231 or any 30 points at Stage II in Ethics

Restriction: MGMT 331

MGMT 314 15 Points

Critical Issues in Organisations

Examines how contemporary organisations operate in complex and changing organisational and socio-cultural environments. Identifies and analyses the challenges and opportunities for managers in responding to emerging trends. Introduces alternative and transdisciplinary perspectives to address critical issues affecting organisational life in Aotearoa New Zealand and the Pacific region.

Prerequisite: BUSINESS 200 or MGMT 211

Restriction: MGMT 311

MGMT 320 15 Points

Special Topic: Management and Games: Integrative Capstone

Prerequisite: BUSINESS 200 or MGMT 202 or 211

MGMT 325 15 Points

Directed Study

Marketing

Stage I

MKTG 151 15 Points

MKTG 151G 15 Points

Essential Marketing

Introduces fundamental marketing ideas and skillsets. Explores the world of customer value creation and marketing communications through the eyes of marketing and creative experts. Covers current topics in marketing including digital and social media, social entrepreneurship, big data analytics, green marketing and sustainability.

Restriction: BUSINESS 111, 112, MKTG 203

Stage II

MKTG 202 15 Points

Marketing Research

Focuses on the critical role and importance of information in marketing. Covers the fundamental concepts of marketing research in traditional and digital environments and examines how these can be used to assist companies in their decision-making.

Prerequisite: MKTG 201 or 203, and 15 points from ECON 221, ENGSCI 211, STATS 100, 101, 108

MKTG 203 15 Points

Strategic Marketing

A comprehensive overview of the central principles and concepts of marketing strategy and management. Highlights the challenges that marketing managers face in planning and implementing effective marketing mix strategies.

Prerequisite: 15 points from BUSINESS 102, 103, 112, 113, MGMT 101

Restriction: MKTG 201

Stage III

MKTG 300 15 Points

Directed Study

MKTG 301 15 Points

Advanced Marketing Strategy

Develops knowledge in how to analyse, implement and evaluate advanced marketing strategies. Encourages the application and consideration of marketing strategies to solve real business challenges. Nurtures a strong appreciation for how marketing connects and relates to other business disciplines.

Prerequisite: MKTG 202 and 201 or 203

MKTG 302 15 Points

Advanced Marketing Research

A case-based course in which students conduct live research for a client and work with mentors from industry. Theory and practice are intertwined to provide students with understanding and experience in key aspects of quantitative market research, including advanced questionnaire design skills, online research methods, data analytics and deriving and communicating insights.

Prerequisite: MKTG 202 and 201 or 203

MKTG 303 15 Points

Consumer Behaviour

Focuses on understanding customers. Applies psychology to how people make consumption decisions and interpret advertising. Includes a consideration of individual differences and environmental/situational influences on consumers.

Prerequisite: MKTG 201 or 203

MKTG 304 15 Points

Digital Marketing

Examines how digital devices and applications are transforming the way organisations engage with consumers and how consumers search for, compare and select products. Develops understanding of how organisations use emerging technologies and how these influence consumer preference and decision-making. Builds skills in online data analytics and conducting research with an industry partner.

Prerequisite: MKTG 202 and 201 or 203

Restriction: INFOSYS 344

MKTG 306 15 Points

Advertising and Branding

Focuses on how a business can take an integrated approach to communicating with its customers and with other key stakeholders. Explores traditional tools such as advertising, sales promotion, public relations, personal selling, and direct marketing, as well as newer forms of communicating within digital and social media environments.

Prerequisite: MKTG 202 and MKTG 201 or 203, or COMMS 100, 104, MKTG 151 with a B grade or higher and COMMS 202 or 204

MKTG 308 15 Points

Customer Insights

The contemporary big-data revolution requires the integration of marketing strategy, tactical marketing insights and analytical skills. Employs real-life data sets for enhancing strategic and tactical decisions about customers and the market. Collaborates with leading business partners to develop highly sought after practical marketing skills.

Prerequisite: BUSAN 200 or MKTG 202

MKTG 309 15 Points

Social and Sustainable Marketing

Explores how marketers can contribute to a healthy, sustainable, equitable and ethical society. Discusses how marketers need to be aware of the impact of their actions,

and teaches how to embed such issues into marketing decisions and use marketing for positive societal change.

Prerequisite: MKTG 201 or 203

MKTG 312 15 Points

Special Topic

Prerequisite: MKTG 202 and 201 or 203

MKTG 314 15 Points

Customer Value Management

Value creation is a fundamental part of modern marketing and firms increasingly utilise technology for this purpose. Explores cutting edge theory and the practice of customer-centricity, customer relationship management (CRM), customer information management, and sales and field force automation, as well as new models of organisational relationship and customer experience management (CEM).
Prerequisite: MKTG 201 or 203

Postgraduate 700 Level Courses

MKTG 701 15 Points

Foundations of Marketing Thought

A core course providing an introduction to marketing philosophy, theory, current debate and advancements in the field. Emphasis is on developing the critical thinking and analytical skills necessary to undertake postgraduate research.

MKTG 705 15 Points

Advanced Consumer Research

A core course in the postgraduate programme, providing a foundation for a deeper understanding of buyers. This is an advanced study of fundamental theories in buyer behaviour, where both classical and contemporary theories are evaluated.

MKTG 707 15 Points

Directed Study

MKTG 710 15 Points

Digital Advertising Dynamics

Examines advertising, with an emphasis on digital communication. Explores how digital trends, such as social media and influencers, are impacting the dynamics between consumers and firms. Develops students' critical thinking and research skills and their ability to develop solutions to advertising challenges.

MKTG 712 15 Points

Digital Marketing Strategy

Focuses on marketing strategy, planning, and implementation in a digital world. Discusses digital transformation and its impact on customer engagement and consumer behaviour.

MKTG 713 15 Points

Market Innovation and Design

Critically evaluates the processes that underlie market-based innovations. Explores key issues and tools to create market-focused innovation to transform experiences, organisations, and societies.

MKTG 714 15 Points

Contemporary Issues in Marketing Research - Level 9

An advanced study of marketing theory relating to contemporary issues.
Prerequisite: MKTG 701 or 705

MKTG 715 15 Points

Future of Marketing Work - Level 9

Provides an advanced exploration of the evolving landscape of work, with a focus on the implications of technological advancements and societal shifts. The emphasis is on equipping students with comprehensive knowledge of the critical themes and challenges shaping the future of work.
Prerequisite: MKTG 701 or 705

MKTG 717 15 Points

Special Topic

MKTG 718 15 Points

Special Topic

MKTG 759 30 Points

Applied Research Consultancy Project - Level 9

An applied practical opportunity for students to work with a New Zealand or international business or organisation in a consulting capacity to apply their advanced disciplinary knowledge and to develop research-informed strategic recommendations for a client.

MKTG 788 30 Points

Research Project - Level 9

Restriction: MKTG 789

MKTG 791 60 Points

MKTG 791A 30 Points

MKTG 791B 30 Points

Dissertation - Level 9

Prerequisite: MKTG 700

To complete this course students must enrol in MKTG 791 A and B, or MKTG 791

MKTG 792 30 Points

Research Project - Level 9

MKTG 796A 60 Points

MKTG 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in MKTG 796 A and B

Māori Development

Postgraduate 700 Level Courses

MAORIDEV 720 15 Points

Whai Rawa: Māori Economies

A critical survey of one thousand years of Māori economic and business activity which examines the interaction of resources, culture, society and commerce. Considers Māori enterprise as an Area Study of developing economies such as Whenua Rangatira and the Economy of Mana.

MAORIDEV 721 15 Points

Te Whakapakari Huangā Māori: Māori Entrepreneurship

An examination of both theory and practice in the field of Māori and Indigenous entrepreneurship. Participants critique theoretical models and frameworks and engage with tools and methods that help develop ideas leading to a pathway of commercialisation.

MAORIDEV 722 15 Points

Tikanga Ture mo ngā Huangā Māori: Legal Studies

Explores the role of Te Tiriti o Waitangi/Treaty of Waitangi and tikanga Māori in the legal system with an emphasis on statutory and customary law relevant to business in Aotearoa/New Zealand. Importance is placed on governance and business structures most conducive to

sustainable kaupapa Māori commercial and entrepreneurial activity.

MAORIDEV 731 15 Points

Te Whakamana Rōpū Māori: Governance and Management

Analysis of the nature of Māori enterprise and Māori governance and management systems in relation to both traditional and modern governance and management theory and frameworks.

Restriction: BUSADMIN 761

MAORIDEV 732 15 Points

Whakatairanga Huanga Māori: Marketing

Customer value and value-creation in markets and the implications for marketing, marketing decision-making with a focus on Māori enterprise.

Restriction: BUSADMIN 762

MAORIDEV 733 15 Points

Tātāritanga Huhua: Quantitative Analysis

Quantitative analysis theory, techniques, and tools to support and facilitate governance and managerial decision-making, drawing on examples from mātauranga Māori or traditional Māori knowledge systems, and from Māori enterprise. Includes financial, statistical, and operational modelling.

Restriction: BUSADMIN 763

MAORIDEV 734 15 Points

Whakatakinga Tahua Huanga Māori: Accounting and Finance

Accounting practice for Māori organisations exploring the structure of accounting information. Develops skills in analysing and critically interpreting accounting and finance data that informs managerial planning, control, decision making and business valuation

Restriction: BUSADMIN 764, BUSADMIN 765

MAORIDEV 738 15 Points

Tikanga Māhere i te Ao Māori: Strategy

Principles and techniques associated with strategic thinking, planning and innovation for business growth and sustainable economic development. Considers the practical application of strategic and mātauranga Māori theory to Māori and non-Māori organisational contexts with a focus on, achieving simultaneous social, environmental, cultural and economic value creation.

Restriction: BUSADMIN 768

Operations and Supply Chain Management

Stage II

OPSMGT 255 15 Points

Introduction to Operations and Supply Chain Management

An introduction to important decision areas in operations and supply chain management. Modelling and analytical skills will be developed and supporting techniques/tools will be introduced using spreadsheets. Common qualitative and quantitative aspects of supply chain management will be discussed.

Prerequisite: BUSINESS 112 and 15 points from ECON 221, ENGSCI 211, STATS 101, 108

OPSMGT 258 15 Points

Business Process Design

Introduces the elements of business process management through mapping and design. Emphasis is on how

organisations identify, design and improve essential business processes. Includes the use of software tools to model and analyse processes for continuous performance improvements.

Prerequisite: BUSINESS 112 or INFOSYS 110 and 15 points from ECON 221, ENGSCI 211, STATS 101, 108

Stage III

OPSMGT 300 15 Points

Directed Study

OPSMGT 357 15 Points

Project Management

An introduction to the management of projects in organisations, with a particular emphasis placed on the interdisciplinary nature and broad application of projects. Topics covered include people management, organisational planning, and resource issues.

Prerequisite: 30 points at Stage II

OPSMGT 370 15 Points

Operations and Supply Chain Strategy

Investigates and explores complex and dynamic issues associated with the design and execution of operations and processes. Promotes an applied, integrated, and systemic approach towards operations across supply chains.

Prerequisite: 15 points from ENGEN 303, OPSMGT 255, 258

OPSMGT 371 15 Points

Business Logistics

Focuses on coordinating logistics across supply chains. Topic coverage features modelling using spreadsheets and includes transportation, forecasting, and inventory control models suitable for use in a distribution and supply chain context.

Prerequisite: OPSMGT 255 or STATS 255 or ENGSCI 255

OPSMGT 376 15 Points

Strategic Procurement

Strategic issues in procurement and supply management, covering analysis, planning, and management of supply activities. To enhance understanding of typical situations procurement managers are dealing with and the impact of their decisions on the overall performance of a supply chain the course uses a game-theoretic approach. Note: Students should be aware that several topics of the course make use of basic calculus concepts such as derivatives and maximisation problems.

Prerequisite: OPSMGT 255 or ENGEN 303 and 30 points at Stage II

OPSMGT 384 15 Points

Special Topic

OPSMGT 385 15 Points

Special Topic

Postgraduate 700 Level Courses

OPSMGT 700 15 Points

Healthcare Analytics and Operations

Addresses techniques for data-driven decision-making in healthcare. Issues faced when managing healthcare operations will be discussed, with particular reference to the New Zealand context. Mathematical and computer-based techniques for managing operations under uncertainty will be introduced, with a focus on how they can be applied in practice in a healthcare setting.

Prerequisite: STATS 201, 208, 210, 225 or equivalent

OPSMGT 701 Directed Study	15 Points	through to organisations, supply chains and society as a whole.	
OPSMGT 702 Contemporary Issues in OSCM Practice - Level 9 An advanced study and substantial review of operations research and supply chain management relating to contemporary issues, providing students with in-depth knowledge of key topics. <i>Prerequisite: 15 points from OPSMG 700-780</i>	15 Points	OPSMGT 788 Research Project - Level 9 <i>Restriction: OPSMG 789</i>	30 Points
OPSMGT 741 System Dynamics and Complex Modelling The concepts, theories and modelling tools of system dynamics are used to deal with the dynamic complexities arising from interdependencies and interactions amongst various parts and functions within organisations and societies alike. Qualitative and computer modelling are used to gain insight and to foresee the intended outcomes as well as unintended consequences of policies and strategic decisions. All aspects of organisations including HR, IT, operations, marketing and strategy are considered and their interdependencies explored. <i>Restriction: INFOSYS 740</i>	15 Points	OPSMGT 790 Research Project - Level 9 OPSMGT 791 OPSMGT 791A OPSMGT 791B Dissertation - Level 9 <i>To complete this course students must enrol in OPSMG 791 A and B, or OPSMG 791</i>	30 Points 30 Points 30 Points 60 Points
OPSMGT 752 Modelling Methods in Operations Management Mathematical modelling methods in operations management research. Includes simulation techniques, Markov decision models, optimisation methods, game theoretic formulations, and other modelling methods. <i>Prerequisite: BUSAN 200 or OPSMG 255 or STATS 108</i>	15 Points	OPSMGT 796A OPSMGT 796B Thesis - Level 9 <i>To complete this course students must enrol in OPSMG 796 A and B</i>	60 Points 60 Points
OPSMGT 759 Applied Research Consultancy Project - Level 9 A practical opportunity to work with a New Zealand or international business or organisation in a consulting capacity and apply advanced disciplinary knowledge to develop research-informed strategic recommendations for a client.	30 Points		
OPSMGT 760 Advanced Operations Systems - Level 9 A core research-oriented course in the postgraduate programme in Operations and Supply Chain Management. The course takes an in-depth view of operations in advanced operations systems such as supply chains, focusing on operational and behavioural factors. <i>Prerequisite: 15 points from OPSMG 700-780</i>	15 Points		
OPSMGT 766 Fundamentals of Supply Chain Coordination Focuses on issues fundamental to supply chain coordination. The impact of information asymmetry, limits of information sharing, incomplete contracts, and other selected topics typically covered in separate subjects such as Contract Theory, Industrial Organisation and Implementation Theory are studied in the supply chain management context. The course will be taught from a quantitative perspective.	15 Points		
OPSMGT 780 Sustainable Transformation Sustainable transformation aspires to balance and integrate societal, economic and environmental dimensions. Focuses on the interrelationships and influences between the sustainability dimensions from a systems dynamics perspective where vision and strategies are translated to sustainable processes, actions, and performance. Explores sustainable transformation of individuals and families	15 Points		
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Property			
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Stage I			
PROPERTY 102 Introduction to Property Knowledge of how property markets work and how properties are valued, managed and financed is critical for property professionals and for understanding modern life. Key terms and definitions surrounding the property profession and introductory analyses of supply and demand characteristics unique to property markets will be key learning outcomes. Students will also learn key concepts surrounding residential property valuation and construction.	15 Points		
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Stage II			
PROPERTY 211 Property Valuation As every property is unique, the valuation of property presents many challenges and has a strong influence on the financial viability of both existing buildings and the development process. General models for valuing commercial property, industrial property, and land will be introduced. <i>Prerequisite: 15 points from ACCTG 101, BUSINESS 114, PROPERTY 102</i> <i>Corequisite: PROPERTY 251</i>	15 Points		
PROPERTY 221 Property Marketing Effective marketing is at the core of successful property management, development and investment. Covers buyer behaviour, marketing research, segmentation and targeting, the marketing plan, the listing process and selling techniques all in the context of the property industry. Develops essential skills for independent thinking, strategic problem solving, effective teamwork and business report writing. <i>Prerequisite: 15 points from BUSINESS 102, 112, 113, PROPERTY 102</i>	15 Points		
PROPERTY 231 Property Management Achieving optimum performance from property assets is a multi-faceted process involving leases, financial structures,	15 Points		

marketing, and occupier demand. Budgeting, operational expenditures, and capital expenditures will be introduced within the property context. An understanding of health and safety issues as well as leases will be provided.

Prerequisite: 15 points from BUSINESS 102, 112, 113, PROPERTY 102

PROPERTY 241 **15 Points**
Land-use Planning and Controls

Provides an understanding of the Resource Management Act and regional and district plans and how these affect land use and subdivision as well as resource consent applications and other property processes.

Prerequisite: 15 points from BUSINESS 115, ECON 101, 151, 152, 191, PROPERTY 102

PROPERTY 251 **15 Points**
Property Finance and Investment

Financing represents a fundamental part of how properties are purchased, developed and managed. The application of general theories of property investment, discounted cash flow, risk and return, and financial mathematics is vital for property professionals. Debt and equity financing options are discussed for residential and income-producing property and development projects.

Prerequisite: 15 points from ACCTG 101, BUSINESS 114, PROPERTY 102

PROPERTY 261 **15 Points**
Property Economics

The supply and demand characteristics of urban developments have impacts on not only the price and availability of property, but on how we live and work. An understanding of development economics, urban policy, and land-use economics will provide students with knowledge of how the decisions of property professionals, policy makers, occupiers shape the built environment.

Prerequisite: 15 points from BUSINESS 115, ECON 101, 151, 152, 191, PROPERTY 102

PROPERTY 271 **15 Points**
Property Law

Fundamental legal principles and issues affecting the property professional will be considered including contract law, common form contracts found in the property industry (including leasing, transfer, and valuation) land ownership and professional liability.

Prerequisite: 30 points from BUSINESS 112, 113, 114, 115, LAW 141, or COMLAW 101 and PROPERTY 102

PROPERTY 281 **15 Points**
Building Construction

Knowledge of construction is vital in understanding property valuation, property management and property development. Building materials, structural options, and building services have a strong influence on how a property performs both financially and functionally. Provides general residential and commercial construction knowledge and an understanding of the construction process.

Prerequisite: 15 points from BUSINESS 102, 112, 113, PROPERTY 102

Restriction: PROPERTY 141

Stage III

PROPERTY 300 **15 Points**
Directed Study

PROPERTY 311 **15 Points**
Advanced Valuation

The theory and practice of valuing special categories of

urban property. Topics include: valuation of CBD land and office buildings, shopping centres, hotels and leasehold land. Also covered are: statutory valuations (compulsory purchase), going-concern valuations, litigation, arbitration, and professional ethics and practice.

Prerequisite: 90 points from PROPERTY 211-281

PROPERTY 331 **15 Points**
Advanced Property Management

Property asset management theory through the study of its practical application in the strategic and estate management of property portfolios held in public and private ownership. The role of corporate real estate management in large organisations.

Prerequisite: 90 points from PROPERTY 211-281

PROPERTY 342 **15 Points**
Property Development

An introduction to the process of property development, including application of analytical methods to case studies.

Prerequisite: 90 points from PROPERTY 211-281

PROPERTY 351 **15 Points**
Advanced Property Finance and Investment

An understanding of how to research, analyse and advise on property financing and investment decisions is an essential analytical skill for property professionals. Topics include: asset pricing models, capital structure decision, weighted average cost of capital and adjusted present value, property as an asset class, and financing and investment strategies.

Prerequisite: 90 points from PROPERTY 211-281

PROPERTY 360 **15 Points**
Property Simulation

An integrated team-based capstone experience based on a property simulation requiring students to demonstrate their ability to work collaboratively as they engage in strategic decision-making.

Prerequisite: 30 points at Stage III in Property

Restriction: PROPERTY 361-364, 371

PROPERTY 361 **15 Points**
Property Industry Case

A challenging 'real world' property industry case project requiring demonstration of personal and professional skills as teams assess a situation, propose solutions and communicate recommendations.

Prerequisite: 30 points at Stage III in Property

Restriction: PROPERTY 360, 362, 363, 364, 371

PROPERTY 362 **15 Points**
Property Industry Project

A challenging property industry case project requiring the application of personal and professional skills in assessing a situation, proposing solutions and communicating recommendations.

Prerequisite: 30 points at Stage III in Property

Restriction: PROPERTY 360, 361, 363, 364, 371

PROPERTY 363 **15 Points**
Internship and Report

A project-based internship with a property company or other appropriate organisation requiring written and oral reports of findings.

Prerequisite: 30 points at Stage III in Property

Restriction: PROPERTY 360, 361, 362, 364, 371

PROPERTY 364 Research Project <i>Prerequisite: A Grade Point Average of 5.0 or higher in 45 points at Stage III in Property</i> <i>Restriction: PROPERTY 360, 361, 362, 363, 371</i>	15 Points	PROPERTY 730 Property Innovation and Technology Focuses on the development of innovative solutions to address challenges facing property profession. Considers best practice in the use of property technologies.	15 Points
PROPERTY 370 Building Surveying Builds the specific knowledge and skills required to work within the building surveying profession. Topics include building pathology and survey techniques, due diligence reporting, Schedules of Condition, maintenance and reinstatement obligations when leasing commercial property, terminal reinstatement assessments and reporting and law in relation to dilapidations. <i>Prerequisite: 90 points from PROPERTY 211-281</i>	15 Points	PROPERTY 743 Property Economics and Sustainable Development Critical analysis of the economics and institutional factors that affect urban property markets. Considers the impact of cultural diversity, sustainability, and supply of money and land in residential and non-residential property development.	15 Points
PROPERTY 371 Property Project A research project, feasibility study or structured internship on an approved topic. <i>Prerequisite: 90 points from PROPERTY 211-281</i> <i>Restriction: PROPERTY 372</i>	15 Points	PROPERTY 753 Property Finance and Management Focuses on advanced concepts of global markets, investment and finance and their application to inter-related property markets, as well as the advanced theories and practices in financial management. Critically evaluates financial management decisions and behaviour of participants within the property markets using case studies and financial software.	15 Points
PROPERTY 380 Property Issues and Trends Property development and investment practices have significant consequences for economic, social and environmental outcomes. Uses relevant literature to provide a critical analysis of contemporary dynamics and problems in international and national property markets. <i>Prerequisite: 90 points from PROPERTY 211-281</i>	15 Points	PROPERTY 785 Special Topic A seminar or individual study on a specialised aspect of property. <i>Corequisite: At least 30 points selected from PROPERTY 701-773, and 784</i>	15 Points
PROPERTY 382 Māori Land Issues History of land conflicts in New Zealand, Waitangi Tribunal process, and development of portfolio management strategies. <i>Prerequisite: 90 points from PROPERTY 211-281</i>	15 Points	PROPERTY 786 Special Topic: Money, Land and Housing	15 Points
PROPERTY 384 Property Technology Develops capabilities in applying analytical tools and technologies to the analysis of issues to enhance understanding of property markets and support effective decision-making. <i>Prerequisite: 90 points from PROPERTY 211-281</i>	15 Points	PROPERTY 789 Research Project - Level 9 A dissertation on a topic in property approved by the Head of Department. <i>Prerequisite: At least 30 points selected from PROPERTY 703-763</i>	30 Points
PROPERTY 385 Special Topic	15 Points	PROPERTY 790 Research Essay - Level 9 A dissertation on an approved topic in property. <i>Prerequisite: At least 30 points selected from PROPERTY 701-773, and 784</i>	30 Points
Postgraduate 700 Level Courses		PROPERTY 791 PROPERTY 791A PROPERTY 791B Dissertation To complete this course students must enrol in PROPERTY 791 A and B, or PROPERTY 791	60 Points 30 Points 30 Points
PROPERTY 700 Directed Study	15 Points	PROPERTY 794A PROPERTY 794B Thesis - Level 9 To complete this course students must enrol in PROPERTY 794 A and B	30 Points 60 Points
PROPERTY 713 Property Valuation and Analysis A review and critical analysis of literature in property valuation theory and practice. Critically evaluates issues relating to concepts, methods, standards and specialist valuation processes, and considers implications for future valuation practice.	15 Points	PROPERTY 796A PROPERTY 796B Thesis for MProp - Level 9 <i>Prerequisite: PROPERTY 701</i> To complete this course students must enrol in PROPERTY 796 A and B	60 Points 60 Points
PROPERTY 720 Property Professional Practice and Consulting A critical analysis of a practice situation or dilemma in an area of property practice of interest, based on a critique of property theory, literature and stakeholder engagement. Considers the impact and proposes recommendations to enhance future practice.	15 Points		

Property Practice

Postgraduate 700 Level Courses

PROPPRAC 700 15 Points Management and Marketing

Achieving optimum performance from property assets is a multi-faceted process involving leases, financial structures, marketing, and occupier demand. Budgeting, operational expenditures, and capital expenditures will be introduced within the property context. An understanding of health and safety issues as well as leases will be provided.

PROPPRAC 701 15 Points Sustainable Construction

Knowledge of construction is vital in understanding property valuation, property management and property development. Building materials, structural options, and building services have a strong influence on how a property performs both financially, functionally and environmentally. Provides general construction knowledge and an understanding of the construction process in context of buildings' impact on the environment.

PROPPRAC 702 15 Points Planning and Development

Property Development is approached from a practical perspective on the development process pathway from vision to commissioning and including the navigation of development controls and other land use restrictions in district plans. Analysis and feasibility are key skills that will be developed with case study illustration and a practical assignment. Design management, consenting, leadership, procurement and delivery will be covered including communication and sustainability.

PROPPRAC 703 15 Points Law and Governance

Fundamental legal principles and issues affecting the property professional will be considered including contract law, common form contracts found in the property industry (including leasing, transfer, and valuation) land ownership and professional liability. Key property-focused governance concepts, practices, structures and mechanisms are studied.

PROPPRAC 704 15 Points Property Market Dynamics

The supply and demand characteristics of urban developments have impacts on not only the price and availability of property, but on how we live and work. Development economics, urban policy, and land-use economics inform and guide decisions of property professionals, policy makers, and occupiers who shape the built environment.

PROPPRAC 705 15 Points Investment and Finance

Financing represents a fundamental part of how properties are purchased, developed and managed. The application of general theories of property investment, discounted cash flow, risk and return, and financial mathematics is vital for property professionals. Debt and equity financing options are discussed for residential and income-producing property and development projects.

PROPPRAC 706 15 Points Valuation

As every property is unique, the valuation of property presents many challenges and has a strong influence on

the financial viability of both existing buildings and the development process. Valuation involves a range of models and approaches for valuing residential, commercial and industrial property and undeveloped land.

PROPPRAC 707 15 Points Property Technology

Develops capabilities in applying analytical tools and technologies to the analysis of issues to enhance understanding of property markets and support effective decision-making.

PROPPRAC 708 15 Points Advanced Valuation

The theory and practice of valuing special categories of property including shopping centres, hotels, leasehold and Māori land. Other professional property practices covered include compulsory purchase, and professional ethics and practice.

Prerequisite: PROPPRAC 706

PROPPRAC 709 15 Points Advanced Property Analytics - Level 9

Extend and apply core property knowledge involving management, development valuation and investment to critically analyse property through use of geographic information system (GIS) and cash flow modelling software.

Prerequisite: 45 points from PROPPRAC 700-708

PROPPRAC 778 30 Points

PROPPRAC 778A 15 Points

PROPPRAC 778B 15 Points

Capstone Project - Level 9

An individual, research-informed practical project with a company or other appropriate organisation with written and oral reports of the findings.

To complete this course students must enrol in PROPPRAC 778 A and B, or PROPPRAC 778

PROPPRAC 779 30 Points

PROPPRAC 779A 15 Points

PROPPRAC 779B 15 Points

Capstone Project - Level 9

A team-based, research-informed practical project with a company or other appropriate organisation with written and oral reports of the findings.

To complete this course students must enrol in PROPPRAC 779 A and B, or PROPPRAC 779

Tertiary Foundation Certificate Business

Foundation Courses

TCFBUS 92F 15 Points Foundation Business

Develops an understanding of the role of business in a rapidly changing national and international context. Focuses on factors impacting success and value creation including effective management and leadership, understanding customers, innovation and product development, financial and accounting practices, and strategic planning and decision-making.

Waipapa Taumata Rau

Stage I

WTRBUS 100**15 Points****Waipapa Taumata Rau: Exploring the Māori Economy - Business Beyond Profit**

Ko Waipapa Taumata Rau tātou. Welcome to your study in He Manga Tauhokohoko, the Faculty of Business and Economics. This core course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. It provides foundational essential skills to support you in your first year and future studies. It explores how Māori cultural values intersect with business practices in Aotearoa New Zealand.

Restriction: SCIGEN 102, 102G, WTR 100, 101, WTRENG 100, WTRMHS 100, WTRSCI 100

FACULTY OF ENGINEERING AND DESIGN

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Faculty of Engineering and Design

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Aerospace Engineering

Postgraduate 700 Level Courses

AEROSPCE 720

15 Points

Space Dynamics and Missions

Classical orbital mechanics and dynamics of spacecraft. Application of this knowledge in mission design for achieving pre-specified objectives and adequate spacecraft pointing. Examples of past missions.

AEROSPCE 730

15 Points

Aerospace Systems Design

Systems engineering for aerospace systems design. Current practice and standard methods to reach a preliminary design review stage are taught, encompassing requirements translation, functional analysis, budgeting, and stakeholder engagement (including Mātauranga Māori perspectives). Overview of major aircraft and satellite subsystems (such as structure, propulsion, aerodynamics), initial vehicle sizing, and the impact of the operational environment on these vehicles.

AEROSPCE 740

15 Points

Aerospace Structures and Mechanisms

Overview of the main issues to be addressed during the structural design process of aircraft and spacecraft, including space mechanisms. Includes requirements definition, analysis processes, materials selection, manufacturing, and typical aircraft and spacecraft configurations.

AEROSPCE 791

45 Points

AEROSPCE 791A

15 Points

AEROSPCE 791B

30 Points

Research Project (Aerospace Engineering) - Level 9

Prerequisite: Departmental approval

To complete this course students must enrol in AEROSPCE 791 A and B, or AEROSPCE 791

AEROSPCE 792A

45 Points

AEROSPCE 792B

45 Points

Thesis (Aerospace Engineering) - Level 9

Prerequisite: Departmental approval

To complete this course students must enrol in AEROSPCE 792 A and B

AEROSPCE 793A

30 Points

AEROSPCE 793B

60 Points

Thesis (Aerospace Engineering) - Level 9

Prerequisite: Departmental approval

To complete this course students must enrol in AEROSPCE 793 A and B

Architectural Design

Stage I

ARCHDES 103

15 Points

Design 2

The Formal: An introduction, in studio format, to the discipline of architectural organisation and form-making. Re-examines the traditional notions of typology, precedent, geometry, parti and diagrams. Emphasises strategies that build on and transform understanding for organising form given contemporary programmes and modes of representation.

Restriction: ARCHDES 101

Stage II

ARCHDES 200

30 Points

Design 3

The Domestic: Exploring through design those things both familiar and unfamiliar in our understanding of home, family, privacy, identity, and community. Examines both the most intimate and the most exposed aspects of dwelling. Emphasises the role of precedent in design and addresses scales ranging from the room to the block.

Prerequisite: ARCHDES 100 or 102 or BLTENV 101

ARCHDES 201

30 Points

Design 4

The Constructed: An introduction to architectural practice as a complex and collaborative enterprise. Offers the opportunity to explore materials, construction, fabrication processes, and detailing, through making. Requires students to understand the full range of drawings required to move from design concept to actual construction.

Prerequisite: ARCHDES 101 or 103

Stage III

ARCHDES 300

30 Points

Design 5

The Experimental: Students will be exposed to experimental approaches to architectural design that seek to expand the field of architecture. Highlights the role and agency of media in explorative architectural pursuits.

Prerequisite: ARCHDES 200

ARCHDES 301

30 Points

Design 6

The Integrated: The culmination of all aspects – conceptual, formal, material, tectonic, environmental, structural – of architectural design within the context of a larger network of infrastructural services. Also requires an understanding of the full range of drawings describing the workings of the building as both an active ‘machine’ and place for human comfort.

Prerequisite: ARCHDES 200, and 201 or 300

ARCHDES 302

30 Points

Directed Study

A topic approved by the Head of School of Architecture and Planning.

Prerequisite: ARCHDES 300 and 301 or Departmental approval

Postgraduate 700 Level Courses

ARCHDES 700

30 Points

Advanced Design 1

A studio based inquiry into an architectural topic approved by the Head of School of Architecture and Planning

intended to facilitate in-depth study that is both tailored to a student's own interest and aligned with the School's research clusters, sharing workshops, discussions, pin-ups and tutorials.

ARCHDES 701 **30 Points**
Advanced Design 2

A studio based inquiry into an architectural topic approved by the Head of School of Architecture and Planning intended to facilitate in-depth study that is both tailored to a student's own interest and aligned with the School's research clusters, sharing workshops, discussions, presentations and tutorials.

ARCHDES 702 **30 Points**
Adaptive Reuse

A studio-based inquiry into an architectural topic in the field of adaptive reuse, approved by the Head of School of Architecture and Planning.

Prerequisite: Head of School approval

ARCHDES 796A **60 Points**

ARCHDES 796B **60 Points**
Thesis - Level 9

A thesis involving a design-based discourse on a topic approved by the Head of School of Architecture and Planning for the degree of Master of Architecture (Professional) under the guidance of an appointed supervisor.

Prerequisite: Students must have completed the taught component of their programme

To complete this course students must enrol in ARCHDES 796 A and B

ARCHDES 797A **30 Points**

ARCHDES 797B **60 Points**
Thesis - Level 9

A thesis involving a design-based discourse on a topic approved by the Head of School of Architecture and Planning for the Degree of Master of Architecture (Professional) and Urban Planning (Professional).

Prerequisite: ARCHDES 700, 701, ARCHGEN 703 or ARCHPRM 700, ARCHPRM 701, URBPLAN 701-708

To complete this course students must enrol in ARCHDES 797 A and B

Architectural History, Theory and Criticism

Stage I

ARCHHTC 102 **15 Points**
Modern Architecture and Urbanism

Examines through case studies the cultural contexts that shaped the development of architecture, urban design, landscape and the environment during the twentieth century. Emphasis is placed on the historical developments that influenced changes in style and the theoretical contexts that shaped attitudes towards inhabitation, social organisation, national identity, and cultural self-expression, amongst other things.

Restriction: ARCHHTC 100

Stage II

ARCHHTC 237 **15 Points**
Postmodern and Contemporary Architecture and Urbanism

Examines architectural and urban history and theory from the postmodern to the recent and contemporary.

Prerequisite: ARCHHTC 102

Restriction: ARCHHTC 235, 236

Stage III

ARCHHTC 341 **15 Points**
Premodern Architecture and Urbanism

Examines topics in pre-modern architectural and urban history and theory across the continents of Eurasia, Africa, the Americas, Australia and Oceania.

Prerequisite: ARCHHTC 237

Restriction: ARCHHTC 339, 340

ARCHHTC 376 **15 Points**
Directed Study

Postgraduate 700 Level Courses

ARCHHTC 700 **15 Points**
Pacific Architecture

Examines architectural history and practice in the Pacific region from ancient sites to the present day. Explores design from all periods, with a view to informing future design through consideration of climate, culture, society, materials and economics.

ARCHHTC 701 **15 Points**
Architecture and Political Philosophy

Examines the political role of architecture and urban space with emphasis on works of Michel Foucault. Analysis of the ways in which architecture constructs habits and habitats in relation to philosophical concepts.

ARCHHTC 702 **15 Points**
History of Housing in Aotearoa New Zealand - Level 9

A research-based examination of New Zealand's more than 100-year history of building housing at medium and high densities. Includes analysis of exemplars.

ARCHHTC 704 **15 Points**
Special Topic

Architectural Media and Fabrication

Stage I

ARCHDRC 104 **15 Points**
Architectural Media 2

Examines specific types of representation – both freehand and digital – used in architectural media to develop concepts, evaluate architectural thinking and describe and refine design projects.

Restriction: ARCHDRC 202

Stage II

ARCHDRC 203 **15 Points**
Architectural Media 3

Explores the relationship between methods of architectural drawing and the three-dimensional communication of fabrication and assemblage. Central to this investigation

is an understanding of how drawing is evolving in relation to new technologies.

Prerequisite: ARCHDRC 103, 104 or BLTENV 103

Restriction: ARCHDRC 301, 303, 304, 370, 371, 372, 373

Postgraduate 700 Level Courses

ARCHDRC 700 15 Points

Advanced Digital Fabrication

Covers fabrication technologies and materials, practical experimentation with a range of fabrication tools and an introduction to current research and development.

ARCHDRC 701 15 Points

Timber Fabrication

Covers fabrication technologies with timber materials. Includes the design and realisation of a small timber building through the preparation of concept plans, developed design plans and a scale models.

ARCHDRC 702 15 Points

Special Topic: Architectural Drawing

Builds a research literature review that supports architectural drawing and design processes, including historical overview of conceptual approaches and applications of drawing, scale and linearity, time and duration, exhibition and documentation, leading to production of series of drawings.

ARCHDRC 703 15 Points

Special Topic

ARCHDRC 704 15 Points

Digital Reconstruction of Buildings

Examines the digital documentation, recording and reconstruction of buildings from 3-D scanning to 3-D modelling.

Prerequisite: ARCHDRC 203

Architectural Professional Studies

Stage III

ARCHPRM 305 15 Points

Project Management

Professional practice and the practical demands of managing construction. Explores the roles of architect, client, builder and consultants; land, building, planning and environmental legislation; the consenting processes that precede construction; documentation; cost and quality management; procurement; contract law; construction contracts; site observation; contract administration and progress payments; completion; final accounts; and post-project procedures.

Prerequisite: ARCHTECH 210

Restriction: ARCHPRM 304, 700

Postgraduate 700 Level Courses

ARCHPRM 700 15 Points

Project Management

The management of the building project from inception to tendering. An examination of client needs and agreements, feasibility studies, project constraints, cost planning and control, consultants, administration and quality control. An analysis of all aspects of the contracts and documentation during construction and final project accounts.

Restriction: ARCHPRM 304, 305

ARCHPRM 701 15 Points

Practice Management

The New Zealand legal system and the law of contract and torts; negotiations, negligence, disputes and remedies relevant to architects in practice. An examination of the requirements for establishing and maintaining an architectural practice as a business venture as well as strategic market management, financial planning, insurance and taxation.

ARCHPRM 702 15 Points

Architectural Project Management

Examines the theory and practice of managing a building construction project. Explores advanced models of project organisation, procurement, construction contracts, time and cost management and efficient delivery methods.

ARCHPRM 703 15 Points

Transnational Professional Practice

Examines the theory and practice of how the built environment is designed and constructed when the architect is operating in a foreign field. Utilising problem-based learning and case studies, the student will assume the role of the alien designer who curates context and thus encounters: the vernacular, regionalism, internationalism and indigeneity.

ARCHPRM 704 15 Points

Special Topic

ARCHPRM 705 15 Points

Special Topic

Architectural Technology and Sustainability

Stage II

ARCHTECH 207 15 Points

Design Technology 1

Development of structural and construction principles and systems for small-scale and residential buildings. Characteristics and behaviour of common building materials. Building components and detailing. Outline of building codes, health and safety regulations and site operations. Active building services and technologies for residential housing, including heating, cooling, ventilation, water, waste, electrical services and vertical transportation. Application to design studio projects.

ARCHTECH 210 15 Points

Environmental Design 1

Climate, context and energy consideration in buildings. Heat transfer and energy balances. Thermal comfort through passive solar systems, materials and building services in small-scale and residential buildings. Integrating renewable energy sources in building design. Indoor air quality and natural ventilation. Air-tightness and moisture control. Daylight performance of buildings and visual comfort. Behaviour of sound and noise and their control for human comfort.

Prerequisite: ARCHTECH 108 or BLTENV 102

Restriction: ARCHTECH 208

Stage III

ARCHTECH 314 15 Points

Environmental Design 2

Indoor environmental quality for complex, large scale and multi-storey buildings. Requirements of the New Zealand Building Code for energy efficiency and human

comfort. Design strategies and innovative materials for high-performance buildings. Qualitative and quantitative approach to sustainable practices. Simulation tools, measurements and techniques. Natural resources, materials optimisation and building reuse. Sustainability and resilience at the urban scale.

Prerequisite: ARCHTECH 210

Restriction: ARCHTECH 307

ARCHTECH 315 15 Points

Design Technology 2

Development of construction and structural principles for complex, large-scale and multi-storey buildings. Investigation of façade technology, material selection and detailing, as applied in practice. Development of factors affecting buildability, fire protection and building code requirements. Application to design studio projects through drawing and prototyping.

Prerequisite: ARCHTECH 207

Restriction: ARCHTECH 312

Postgraduate 700 Level Courses

ARCHTECH 706 15 Points

Building Materials and Technologies

Explores the selection and integration of appropriate materials, components and systems in relation to the different contexts, scales and stages of the design, documentation, procurement and construction of projects, in alignment with the National Standard of Competency for Architects.

Restriction: ARCHTECH 307, 312, 314, 315

ARCHTECH 707 15 Points

Designing with Resilience Thinking

Examines resilience in the built environment, from reviewing the literature on resilience to analysing case studies and developing strategies to enhance resilience in architecture.

ARCHTECH 708 15 Points

Advanced Building Technologies

Examines how responsive skins can be used to improve building performances. Explores the development of building technologies in the Asian and Oceania regions of the Pacific Rim.

Prerequisite: ARCHTECH 314 and 315

ARCHTECH 709 15 Points

Sustainable and Healthy Housing

Examines the current issues of performances and indoor environmental quality in Aotearoa's housing. Explores strategies, technologies and materials for designing and retrofitting sustainable, resilient and healthy housing.

Prerequisite: ARCHTECH 314 and 315

ARCHTECH 710 15 Points

Special Topic

Architecture General

Postgraduate 700 Level Courses

ARCHGEN 702 15 Points

Research Process

An introduction to the research process including: research paradigms and strategies, the identification of research topics and research questions, the review and critique of literature, research methodologies, the structuring of research theses and reports, referencing and the preparation of a bibliography. The focus of the course is

on preparing students to undertake their own research projects.

Restriction: ARCHGEN 400, 700

ARCHGEN 703 15 Points

Design as Research

Examines the literature on, and approaches to, research by design. Considers research processes and architectural design processes, and the ways in which these processes might be creatively combined in the context of a Masters level design thesis, in order that the thesis process and outcomes might meet the expectations of a research-based thesis.

Restriction: ARCHGEN 300

ARCHGEN 704 15 Points

Directed Study

Prerequisite: Departmental approval

ARCHGEN 711 15 Points

Special Topic

Restriction: ARCHGEN 710, 712-716

ARCHGEN 712 15 Points

Special Topic

Restriction: ARCHGEN 710, 711, 713-716

ARCHGEN 713 15 Points

Special Topic

Restriction: ARCHGEN 710-712, 714-716

ARCHGEN 714 15 Points

Special Topic

Restriction: ARCHGEN 710-713, 715, 716

ARCHGEN 715 15 Points

Special Topic

Restriction: ARCHGEN 710-714, 716

ARCHGEN 733 15 Points

Public Urban Space in the Contemporary City

Examines the role of public urban space in the city and how history, geography, culture, physical connections and architectural form contribute to its formation. Explores how contemporary cities are transforming their urban environments through design.

Restriction: ARCHGEN 730-732, 734-735, URBDES 702

ARCHGEN 744 15 Points

Special Topic

Restriction: ARCHGEN 740-743, 745

ARCHGEN 750 15 Points

Heritage Processes

Examines heritage conservation legislation, policy, guidelines and processes. Includes international context as well as New Zealand laws and processes.

ARCHGEN 751 15 Points

Heritage Assessment and Conservation Planning - Level 9

Examines the assessment of cultural heritage value and the use and preparation of conservation plans to guide heritage conservation work. Coursework comprises the researching and writing of a conservation plan.

ARCHGEN 752 15 Points

Conservation of Materials

Examines the theory and practice of conserving materials commonly found in heritage buildings and artefacts, including stone, brick, timber, concrete and steel.

ARCHGEN 753 15 Points**Diagnosis and Adaptation**

Examines the investigation of existing building fabric, diagnosis of issues impacting upon the state of repair or the level of comfort, and the adaptation of heritage buildings, including strengthening, energy upgrading, reuse and the design of additions and alterations.

ARCHGEN 754 30 Points
Research Project - Level 9

A research project in the field of heritage conservation which may include an internship. Placements and topics to be approved by the Head of School of Architecture and Planning.

Prerequisite: ARCHGEN 750, 751

ARCHGEN 790 30 Points**ARCHGEN 790A** 15 Points**ARCHGEN 790B** 15 Points**Research Project - Level 9**

Restriction: ARCHGEN 793, 795

To complete this course students must enrol in ARCHGEN 790 A and B, or ARCHGEN 790

ARCHGEN 793A 60 Points**ARCHGEN 793B** 60 Points**Thesis - Level 9**

A study of research processes, together with a thesis involving a discourse on a topic approved by the Head of School of Architecture and Planning for the degree of Master of Architecture under the guidance of an appointed supervisor.

Restriction: ARCHGEN 795, 796, 797

To complete this course students must enrol in ARCHGEN 793 A and B

ARCHGEN 795A 45 Points**ARCHGEN 795B** 45 Points**Thesis - Level 9**

A study of research processes, together with a thesis involving a discourse on a topic approved by the Head of School of Architecture and Planning for the degree of Master of Architecture under the guidance of an appointed supervisor.

Restriction: ARCHGEN 793, 796, 797

To complete this course students must enrol in ARCHGEN 795 A and B

ARCHGEN 799 60 Points**ARCHGEN 799A** 30 Points**ARCHGEN 799B** 30 Points**Research Report - Level 9**

A report involving research and application in an architectural subject for the Postgraduate Diploma in Architecture under the guidance of appointed supervisor on a topic approved by the Head of School of Architecture and Planning.

Prerequisite: ARCHGEN 700 or 702

Restriction: ARCHGEN 798

To complete this course students must enrol in ARCHGEN 799 A and B, or ARCHGEN 799

Bioengineering**Postgraduate 700 Level Courses****BIOENG 721** 15 Points**Physics of Physiology**

Develops skills in creating and using physics-based

mathematical models of physiological processes. Focuses on using integrative and hierarchical modelling approaches to scale models from the protein function level to cell and tissue function and then to models of organ physiology and systems physiology at the whole-body level.

BIOENG 741 15 Points**The Bioengineering Toolbox**

Principles and practice of techniques used to develop, construct and use devices and systems for conducting precise measurements in bioengineering research. Application of modern tools for extracting useful biological or physiological information directly from the measured data.

BIOENG 789 30 Points**Bioengineering Research Project - Level 9**

Supervised research on a topic of interest in bioengineering assigned by the Director of the Auckland Bioengineering Institute. Requires independent thought and action to investigate the topic in depth and produce an analysis of the problem and its solution using appropriate analytical, computational and/or experimental techniques culminating in a single sole-authored written report.

BIOENG 796A 60 Points**BIOENG 796B** 60 Points**ME Thesis (Bioengineering) - Level 9**

Students are required to submit a thesis on a topic assigned by the Director of Bioengineering.

To complete this course students must enrol in BIOENG 796 A and B

Biomedical Engineering**Stage II****BIOMENG 221** 15 Points**Mechanics of Engineered and Biological Materials**

Introduction to the laws of conservation of mass, linear momentum, angular momentum and energy and their application to engineering problems. Topics include control volume analysis, fluid statics, Bernoulli's equation, heat conduction, diffusion, linear elasticity, stresses and strains specific to direct and torsional loading, material constitutive relationships (including anisotropy, nonlinearity, and viscoelasticity), axial and transverse loading, and pressure loading of engineering structures and biomaterials.

Prerequisite: ENGGEN 150, or ENGSCI 111, or a B+ or higher in MATHS 108 or 110, or a B+ or higher in MATHS 120 and 130

BIOMENG 241 15 Points**Instrumentation and Design**

An introduction to engineering instrumentation related to the measurement of biological signals, including a group project on the design methodology of instrumentation systems. Topics include: fundamentals of measurement systems (electric circuits, basic electronics, frequency domain signal analysis and transient analysis, measurement systems), engineering design (teamwork, communication, safety in design and professional responsibility, software tools, material and manufacturing process selection).

Prerequisite: ELECTENG 101

BIOMENG 261 15 Points**Tissue and Biomolecular Engineering**

Overview of molecular and tissue engineering principles emphasising biochemical kinetics, gene regulation, cell behaviour and biomedical ethics. Laboratory practice

and design project in cell culture and molecular biology techniques. Topics include enzymes and regulation of metabolic pathways, thermodynamic principles of biochemical reactions, systems biology and regulatory motifs in biochemical networks, cell culture techniques, research and medical ethics.

Prerequisite: BIOSCI 107, ENGSCI 211

Restriction: BIOMENG 361

BIOMENG 299 0 Points

Workshop Practice

Restriction: ENGGEN 299

Stage III

BIOMENG 321 15 Points

Continuum Modelling in Bioengineering

An introduction to continuum modelling approaches to bioengineering problems across a range of spatial scales. Topics include: tensor analysis, molecular and cellular mechanics of striated muscle; finite deformation elasticity and constitutive relations for soft biological materials; conservation equations for momentum, mass and heat transfer in fluids; viscous flow; boundary layers; pure conduction and diffusion; advective transport of mass and heat.

Prerequisite: BIOMENG 221, ENGSCI 211

Restriction: ENGSCI 343

BIOMENG 341 15 Points

Bioinstrumentation and Design

Sensors and actuators (temperature, position, force, pressure, flow, bioelectric, optical sensors and instruments). Signals, systems and controls (s-domain signal notation, transfer functions, frequency response functions, block diagrams, the Laplace transform, first and second order systems, characterisation methods, fundamentals of control). Bioinstrumentation design methodology and group design project integrating professional engineering considerations.

Prerequisite: BIOMENG 241

Postgraduate 700 Level Courses

BIOMENG 771 15 Points

Musculoskeletal and Orthopaedic Biomechanics

Topics that biomechanical and orthopaedic engineers use in research and industry. Includes guest lectures from practitioners. Orthopaedic engineering topics cover implant design, material choice, implant stress shielding and bone loss, implant wear and bone remodelling. Musculoskeletal biomechanics topics cover motion capture, inverse kinematics and dynamics, muscle force evaluation, electromyography (EMG), inertial sensors and applications in sports medicine and rehabilitation.

Prerequisite: 15 points from ENGSCI 311, 313, 314

BIOMENG 791 15 Points

Advanced Biomedical Engineering Design

An engineering project requiring the application and integration of material taught in technical and professional engineering courses to the design of medical devices and software to meet client needs. The project also requires consideration of ethical issues, social impact, safety in design, and international regulations.

Prerequisite: BIOMENG 341, and a further 45 points from non-elective courses listed in Part III of the BE(Hons) Schedule for Biomedical Engineering

BIOMENG 792 15 Points

Special Topic

BIOMENG 793 15 Points

Special Topic

BIOMENG 794 15 Points

Special Topic

Built Environment

Stage I

BLTENV 101 15 Points

People, Place and Design Studio

Introduces the conceptual and material domains in which architecture and urban planning operate, making connections to the cultural, physical, formal, social and political dimensions of design in the built environment, emphasising the development of skills and abilities in conceptual thinking, design realisation and representation.

BLTENV 102 15 Points

Environmental and Social Justice

Focuses on developing an ethical understanding of the built environment through the lens of social and environmental justice in order to plan and design fairer habitats, and a critical assessment of social and environmental crises through urban and architectural case studies to develop the knowledge and skills necessary to transition to more sustainable and equitable built environments.

BLTENV 103 15 Points

Media for Spatial Practices

Introduces media processes and methods for spatial practices and designed environments to support design studio practice, and an overview of the analytical and critical values of these techniques for design.

Chemical and Materials Engineering

Stage I

CHEMMAT 121 15 Points

Materials Science

Introduction to materials science starting with the fundamentals of atomic structure and bonding and how this builds up a microstructure to create a solid. Metals, polymers, ceramics, electronic materials, composite and biomaterials will be covered and the properties, advantages and disadvantages of each discussed. Considerations such as corrosion, degradation and failure will be studied with a focus on improving design and creating new materials for our future world.

Stage II

CHEMMAT 201 15 Points

Process Engineering 1: Introduction

Materials and energy balances with and without chemical reaction, materials and energy balances in multiphase systems such as crystallisation, evaporation, drying, humidification, dehumidification, absorption, distillation, extraction and filtration. An introduction to the most important unit operations in the chemical industry, design concept and safety as applied to processing.

Prerequisite: CHEM 110 or 120 or ENGGEN 140

Restriction: CHEMMAT 211

CHEMMAT 202 15 Points**Process Engineering 2: Energy and Processing**

Introduction to thermodynamics for process engineering. The first and second laws of thermodynamics. Application of thermodynamic concepts in closed systems, flow processes and cycles, refrigeration and liquefaction. Classical chemical thermodynamics including concepts of chemical potential, fugacity and activities; their applications to vapour-liquid equilibria and reacting systems. Multi-component physical equilibria. Multiple reaction equilibria and system-free energy minimisation. Practical examples and applications.

Restriction: CHEMMAT 212

CHEMMAT 203 15 Points**Process Engineering 3: Transfer Processes**

Fluid properties and statics (specific gravity, viscosity, surface tension, flow types, manometry). Modelling fluid motion (Bernoulli equation. Dimensional analysis and similitude: Reynolds Number, Friction factor, Prandtl number). Flow measurement (pumps/pumping and valves). Heat transfer including: steady state conduction, convection and radiation; and effects of geometry, force and natural convection. Heat transfer processes (correlation with flow processes, heat transfer coefficients). Applications.

Restriction: CHEMMAT 213

CHEMMAT 204 15 Points**Materials**

Solid state transformation – diffusion, vacancies, solidification, nucleation and growth. Dislocations and plastic deformation, strengthening mechanisms. Mechanical performance of materials. Iron-carbon alloy systems and transformations (including pearlitic, austenitic, bainitic and martensitic), effects of alloying elements. Analytical methods: X-ray diffraction and electron microscopy.

Prerequisite: CHEMMAT 121

Restriction: CHEMMAT 221

CHEMMAT 205 15 Points**Process Design 1**

Mechanics of solids and analysis of stress and strain. Introduction to materials selection. Design of thin walled pressure vessels. Application to the design of vessels, tanks, reactors, piping and heat transfer equipment. Introduction to the chemical industry, unit operations, line diagrams and process equipment. Report writing and oral communication skills.

Prerequisite: ENGGEN 121 or equivalent

Restriction: CHEMMAT 231, 232

CHEMMAT 206 15 Points**Applied Chemistry**

Fundamental chemistry required for chemical engineering and materials engineering. Topics may include phase equilibrium, reaction kinetics, thermodynamics, surface chemistry, electrochemistry and polymer chemistry. This course will have an emphasis on problem definition and solution.

Prerequisite: 15 points from ENGGEN 140, CHEM 110, 120

Restriction: CHEMMAT 242

CHEMMAT 299 0 Points**Workshop Practice**

Restriction: ENGGEN 299

Stage III**CHEMMAT 301** 15 Points**Transfer Processes 2**

Principles of continuous and staged processes. Mass transfer in various media, systems and phases. Interrelating equipment design to mass transfer processes. Studies of selected separation processes such as absorption, solvent extraction, distillation, and membrane processes.

Prerequisite: CHEMMAT 203 or 213, and CHEMMAT 242 or 206

Restriction: CHEMMAT 312

CHEMMAT 302 15 Points**Advanced Process Engineering**

An in-depth analysis of selected topics that influence the design, operation, and performance of process plants. Topics include: particulate technology, particle mechanics and particle motions, non-Newtonian fluid flow, two-phase solid-liquid and gas-liquid flow, computational fluid dynamics, flow through porous media and packed beds, filtration, centrifugation, fluidisation, variable-analysis of variations in materials and product processing, membrane separation methods and optimisation techniques.

Prerequisite: CHEMMAT 203 or 213

Restriction: CHEMMAT 313, 316, 411

CHEMMAT 303 15 Points**Chemical Reactor Engineering**

Kinetics of multiple reactions, analysis of basic reactors – batch, plug flow, and continuous stirred tank. Performance under isothermal, adiabatic, and varying temperature. Effect of semi-continuous, counterflow and recycle on performance. Heterogeneous reactions and catalysis, diffusion and reaction in porous catalysts, effects of external mass transfer resistance, fixed and fluidised bed reactors, gas-liquid reactors. Reactor engineering for biological and electrochemical systems.

Prerequisite: CHEMMAT 202 and 206, or CHEMMAT 212 and 242

Restriction: CHEMMAT 315

CHEMMAT 304 15 Points**The Future of Energy**

Discussion of topical and significant developments in the field of energy transformation, usage and storage in the context of climate change, both globally and in New Zealand. Topics include: energy efficiency, energy storage and applications, sustainability, non-renewable and renewable power generation.

Prerequisite: CHEMMAT 201 or 211

Restriction: CHEMMAT 317

CHEMMAT 305 15 Points**Materials Processing and Performance**

Materials processing and performance are critical components of a materials science and engineering degree. This course examines the processing and performance of metals, polymers and ceramics. Topics include metal-making, casting, forming, and forms of degradation, such as corrosion. Emphasis is placed on materials applications for process engineering.

Prerequisite: CHEMMAT 204 or 221

Restriction: CHEMMAT 321, 322, 421

CHEMMAT 306 15 Points**Process Design 2**

The nature and function of design – process conception, alternatives, constraints and their simulation. Raw materials, safety and environmental considerations. Flow sheet representation of information. Separation systems,

heat exchanger networks, and specification of equipment.
Process economics and project documentation.
Prerequisite: CHEMMAT 201 or 211, and CHEMMAT 205 or 232
Restriction: CHEMMAT 331, 756

Postgraduate 700 Level Courses

CHEMMAT 712 15 Points
Directed Study in Chemical Engineering

CHEMMAT 713 15 Points
Advanced Chemical Engineering - Level 9
An independent study in advanced topics, current issues, new trends and developing technologies relevant to the field of chemical engineering, for example energy and environment, alternative fuels, process modeling and control. Topics are informed and supervised by leading researchers in the field and students develop critical assessment, report writing and oral communication skills through independent projects and seminars.

CHEMMAT 717 15 Points
Electrochemical Engineering
The thermodynamics of aluminium electrolysis; heat and mass balance; components of the cell voltage; anode effect and its mitigation, resistance and voltage tracking; cell magnetism and magnetic modelling.
Corequisite: CHEMMAT 718, 726, 727

CHEMMAT 718 15 Points
Aluminium Reduction Process Operations
Monitoring overall aluminium cell performance – what are the appropriate parameters to measure, how are they measured and how are they used for process control? Optimising cell performance, scheduling of operations, dealing with process excursions, metal treatment and quality. Novel cell designs.
Corequisite: CHEMMAT 717, 726, 727

CHEMMAT 720 15 Points
Materials Design and Processing
Materials processing of metals, ceramics and polymers. Phase transformation. Microstructural development during materials processing. Case studies of materials selection in product design.

CHEMMAT 721 15 Points
Advanced Materials - Level 9
An advanced course with emphasis on new developments in materials science and engineering and their impact on technology and society, for example surface engineering, nanomaterials and composites, alloy development, high performance ceramics, powder processing, biomaterials. Students develop critical assessment, report writing and oral communication skills through independent projects and seminars.

CHEMMAT 722 15 Points
Directed Study in Materials
Directed study in materials science and engineering.

CHEMMAT 723 15 Points
Industrial Materials Engineering
Exploration of materials in an industrial context, including industrial metals and alloys, high temperature corrosion, surface engineering, welding, powder metallurgy and additive manufacturing.
Restriction: CHEMMAT 754

CHEMMAT 724 15 Points
Advanced Materials Characterisation - Level 9
The underlying theory essential to understanding modern methods of advanced materials analysis including: electron microscopy, surface analysis, atomic force microscopy and nanoindentation. Teaching is highly research informed with examples drawn from the Research Centre for Surface and Materials Science (RCSMS) and involves principles, practical experience and independent project work related to the application of these techniques.
Prerequisite: CHEMMAT 305 or 322

CHEMMAT 725 15 Points
Advanced Functional Materials
Electronic properties of materials. Functional properties. Materials applications for energy storage, environmental protection and resource recovery. Nanomaterials and nanotechnology.
Restriction: CHEMMAT 755

CHEMMAT 726 15 Points
The Light Metals Industry
An overview of the light metals, Ti, Al and Mg, their chemistry, metallurgy and processing. It also deals with trends in the global light metals production and uses and recent advances in extending applications for these materials; economics of feedstock and materials selection and availability; power supply and management; efficient use of equipment and resources; and environmental issues.
Corequisite: CHEMMAT 717, 718, 727

CHEMMAT 727 15 Points
Materials Performance and Selection for Light Metals Processing
Performance requirements of anodes, cathodes, cell refractories and other aluminium cell construction materials are assessed. Techniques for monitoring materials performance in operation and post operation (autopsies) are discussed. This course also covers materials specifications, how well they predict performance in the aluminium cell as well as the relationship between the fabrication of the cell components and their performance. New materials.
Corequisite: CHEMMAT 717, 718, 726

CHEMMAT 732 30 Points
CHEMMAT 732A 15 Points
CHEMMAT 732B 15 Points
Advanced Design Project - Level 9
An advanced design project utilising the application of the specialised knowledge required for the design and manufacture of a sophisticated product based on multiple plastics materials. Detailed considerations will include material and process selection, mould design, costing and economics, and environmental impact.
To complete this course students must enrol in CHEMMAT 732 A and B, or CHEMMAT 732

CHEMMAT 750A 15 Points
CHEMMAT 750B 15 Points
Capstone Design Project
Specification, planning and executing a specific process design project. The detailed considerations in the project to include environmental impact, safety and occupational health issues, material selection, process energy demand

and efficiency, costing and economics, process start-up and operation.

Prerequisite: CHEMMAT 306 or 331

Restriction: CHEMMAT 431, 432

To complete this course students must enrol in CHEMMAT 750 A and B

CHEMMAT 751A 15 Points

CHEMMAT 751B 15 Points

Research Project - Level 9

Students are required to submit a report on independent investigation carried out on a topic assigned by the Head of Department of Chemical and Materials Engineering. The work shall be supervised by a member of staff.

Restriction: CHEMMAT 441, 442

To complete this course students must enrol in CHEMMAT 751 A and B

CHEMMAT 752 15 Points

Process Dynamics and Control - Level 9

Application of simulation for understanding industry 4.0 focusing on digital twin and process control. Includes rigorous treatment of modelling and control fundamentals, advanced classical control and multiple loop control. Individual research is undertaken to apply advanced concepts and methods in modern chemical processes.

Prerequisite: ENGSCI 211

Restriction: CHEMMAT 311, 411, 412

CHEMMAT 753 15 Points

Biological Materials and Biomaterials - Level 9

Fundamentals of biological materials from small-scale building blocks (genes, proteins) to large-scale biological entities (organs, joints). Biomaterial design, material selection and functionalisation and the interaction between biomaterials and the biological tissue. Critique and review recent research on selected topics. Individual and team research projects apply advanced concepts and methods to design and implement a scaffold or implant prototype.

Prerequisite: BIOMENG 221, or CHEMMAT 204 and 205, or CHEMMAT 221 and 232

Restriction: CHEMMAT 422

CHEMMAT 754 15 Points

Materials Performance Enhancement - Level 9

Materials under extreme service conditions – surface engineering, high-temperature corrosion/oxidation. Nanomaterials and nanotechnology – special properties, synthesis and processing techniques, applications in sensing, catalysis and biomedical areas. Advanced manufacturing technology – additive manufacturing, powder metallurgy, and sustainable/green manufacturing. Selected advanced concepts in materials performance enhancement are taught through research based individual projects.

Prerequisite: CHEMMAT 121, and 305 or 322 or equivalent

Restriction: CHEMMAT 423

CHEMMAT 755 15 Points

Materials for Energy and Environmental Applications - Level 9

Electronic properties of materials. Applications in energy storage. Smart materials and devices – magnetic and dielectric materials, sensors and actuators, recording devices. Materials for environmental applications – photocatalysis and environmental cleaning, membrane materials, and eco-materials. Core concepts related to energy and

environmental applications are extended by individual research projects on selected topics.

Prerequisite: CHEMMAT 121, and 305 or 322 or equivalent

Restriction: CHEMMAT 424

CHEMMAT 756 15 Points

Food Process Engineering

Application of engineering principles to food processing. Topics include: heating and thermal processing, cooling, freezing and thawing, evaporation, dehydration, the use of membranes and packaging. Innovative food processes: high pressure, pulsed electric, UV, ultrasounds and ohmic heating/cooking, and fundamental areas of engineering relevant for food processing such as heat and mass transfer. Process impact on food safety, quality and preservation.

Prerequisite: CHEMMAT 201 or 211, and 15 points from ENGGEN 150, ENGSCI 111, MATHS 108, 110

Restriction: CHEMMAT 463, 772

CHEMMAT 757 15 Points

Engineering Biotechnology

Principles of biochemical engineering. Exploitation of bioreaction and bioprocess systems. Enzyme and microbial reaction kinetics, bioreactor design and downstream processing. Examples of biochemical process and food industry applications.

Prerequisite: ENGSCI 111 or MATHS 108 or equivalent

Restriction: CHEMMAT 361, 464, FOODSCI 704

CHEMMAT 758 15 Points

Resource Recovery Technologies - Level 9

Selection and application of resource recovery processes. Examination of a variety of resource recovery technologies. Critical evaluations of the latest research and development in innovative resource recovery techniques. Social and economic aspects as catalysts or obstacles to resource recovery. Includes an independent research project.

CHEMMAT 759 15 Points

Industry 4.0 for Chemical Engineering

In-depth coverage of digitalisation and Industry 4.0 in the context of modern biological, chemical, food and materials processing industries. Topics include model building, digital models and digital twins using process simulators, scripting, open source software and data-driven analysis using machine learning concepts, and the application of these to modelling a virtual plant.

Prerequisite: ENGSCI 311

CHEMMAT 760 15 Points

Advanced Microbial Technology in Bioprocess Engineering

Microbiological, biochemical, and molecular approaches crucial for analysing, developing, and optimising engineering bioprocesses. Fundamentals of microbial growth and the effect of environmental factors, molecular tools for quantifying bacterial cells and activities, bioinformatics, and in vitro enzymatic reactions. Applications of microbiology in engineering processes for chemical production, food engineering, bioenergy, and waste treatment.

CHEMMAT 761 15 Points

Special Topic

CHEMMAT 762 15 Points

Special Topic

CHEMMAT 763 15 Points

Waste Reduction and Recycling Technologies

Principles, concepts, and technologies in waste minimisation and recycling. Topics include implementation

of waste management and recycling technologies, economic analysis of waste recycling and minimisation and the three pillars of sustainability.

CHEMMAT 772 15 Points

Advanced Food Process Engineering - Level 9

Critical evaluation of the latest research and development in innovative thermal and non-thermal food processing technology. Open-ended application of these latest developments to different specific end-point food processing requirements. Teaching is highly research informed with principles, application examples and related individual research project work.

Restriction: CHEMMAT 756

CHEMMAT 773 15 Points

Food Process Systems Engineering - Level 9

Advanced understanding of the theory and application of process systems engineering for the food industry. Includes advanced process analytical technology, real-time quality control, multivariate data analysis, advanced statistical process control, advanced control methods and strategies, and real-time optimisation. Teaching is highly research informed with examples from the Industrial Information and Control Centre (I2C2) and includes an independent laboratory based project.

CHEMMAT 774A 15 Points

CHEMMAT 774B 45 Points

Dissertation in Food Process Engineering - Level 9

A structured supervised research project addressing a topic relevant to the development and commercialisation of food process engineering technologies.

Restriction: CHEMMAT 775, 776, 777

To complete this course students must enrol in CHEMMAT 774 A and B

CHEMMAT 775A 30 Points

CHEMMAT 775B 30 Points

Dissertation in Food Process Engineering - Level 9

A structured supervised research project addressing a topic relevant to the development and commercialisation of food process engineering technologies.

Restriction: CHEMMAT 774, 776, 777

To complete this course students must enrol in CHEMMAT 775 A and B

CHEMMAT 776A 30 Points

CHEMMAT 776B 60 Points

Research Portfolio - Level 9

A structured supervised research portfolio addressing a topic relevant to the development and commercialisation of process engineering technologies.

Restriction: CHEMMAT 774, 775, 776

To complete this course students must enrol in CHEMMAT 776 A and B

CHEMMAT 777A 45 Points

CHEMMAT 777B 45 Points

Research Portfolio - Level 9

A structured supervised research portfolio addressing a topic relevant to the development and commercialisation of process engineering technologies.

Restriction: CHEMMAT 774, 775, 776

To complete this course students must enrol in CHEMMAT 777 A and B

CHEMMAT 778 15 Points

Dairy Process Engineering - Level 9

Industry-focused advanced topics in post-farm-gate

processing of milk including liquid milk, powdered dairy and fermented products. Waste and high value product recovery from milk processing. Trends in global dairy industry including new development in food physics and chemistry, new products and processes, design and production of novel foods. Includes individual project-based work, laboratory work and completion of a group-based project. Includes independent research to create unique innovative solutions to an open-ended problem.

CHEMMAT 779A 15 Points

CHEMMAT 779B 15 Points

Food Engineering Research Project - Level 9

A structured supervised research project addressing a topic relevant to the development and commercialisation of food process engineering technologies.

Restriction: CHEMMAT 774, 775, 776, 777

To complete this course students must enrol in CHEMMAT 779 A and B

CHEMMAT 780 30 Points

CHEMMAT 780A 15 Points

CHEMMAT 780B 15 Points

Research Project - Level 9

To complete this course students must enrol in CHEMMAT 780 A and B, or CHEMMAT 780

CHEMMAT 787 15 Points

Project X - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

CHEMMAT 788 30 Points

CHEMMAT 788A 15 Points

CHEMMAT 788B 15 Points

Research Project - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in CHEMMAT 788 A and B, or CHEMMAT 788

CHEMMAT 789 30 Points

Project Z - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

CHEMMAT 795 45 Points

CHEMMAT 795A 15 Points

CHEMMAT 795B 30 Points

Research Project - Level 9

Students are required to submit a report on a topic relevant to the specialisation, as assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in CHEMMAT 795 A and B, or CHEMMAT 795

CHEMMAT 796A 60 Points

CHEMMAT 796B 60 Points

ME Thesis (Chemical and Materials) - Level 9

Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in CHEMMAT 796 A and B

Civil Engineering

Stage II**CIVIL 200** 15 Points**Introduction to Geotechnical Engineering**

The basic concepts and principles governing the mechanical behaviour of soil. Engineering geology, site investigation and soil classification. The principle of effective stress, permeability and seepage, and soil shear strength.

Restriction: CIVIL 220, 221

CIVIL 201 10 Points**Land Information Systems**

Aspects of elementary engineering surveying as used for gathering site information for the design and setting out of works. Land information systems, modern methods of gathering, processing and presenting information for engineering purposes.

CIVIL 202 15 Points**Fluid Mechanics and Pipe Flow**

Approaches to fluids: classification, dimensional analysis and similarity, integral and differential flow analysis; fluid properties; hydrostatics: pressure distribution in fluids, manometry, forces on plane and curved surfaces; conservation of mass; conservation of energy: Bernoulli equation, energy losses and gains, laminar and turbulent pipe friction losses, local losses, pipes in series and parallel, pipe networks, pumps, cavitation; conservation of momentum: Newton's Second Law, dynamic forces, fluid transients, Joukowski equation.

Restriction: CIVIL 230, 331

CIVIL 203 15 Points**Transport Design and Geomatics**

Introduction to Transportation Engineering (mobility for people and goods, sea, land and air transportation systems). Design and construction of longitudinal infrastructure (plans, longitudinal sections and cross sections, earthworks, quantities, mass haul). Transport geometric design (horizontal, vertical and cross sectional design). Geomatic surveying systems (levelling, theodolites, GPS, drones, digital topographical survey systems and remote sensing).

Restriction: CIVIL 201, 360

CIVIL 210 15 Points**Introduction to Structures**

Structural forms and systems. Analysis of determinate systems, elasticity. Engineering beam theory, elasticity, failure theories. Introduction to structural design.

Prerequisite: ENGGEN 121 or 150

Restriction: ENVENG 210

CIVIL 211 10 Points**Structures and Design 1**

Introduction to structural design – philosophy, loads, codes; design of simple structural elements in various materials.

CIVIL 220 10 Points**Introductory Engineering Geology**

Principles of physical and structural geology. Elementary stratigraphy. Applied geomorphology. Geologic surveying and mapping. Elementary seismology; microzoning and seismotectonic hazard evaluation. Engineering properties, description and identification of geologic materials. General applications of geology to engineering.

CIVIL 221 10 Points**Geomechanics 1**

The basic concepts and principles governing the mechanical behaviour of soil, including phase relationships, permeability and seepage, the principle of effective stress, soil strength, compressibility and basic stability analysis.

CIVIL 230 10 Points**Fluid Mechanics 1**

Fluid properties and definitions. Hydrostatics and stability of floating bodies. Fluid flow, energy and continuity relationships. Viscosity. Force and momentum relationship. Dimensional analysis and similarity. Introduction to turbomachinery.

CIVIL 250 10 Points**Civil Engineering Materials and Design**

Properties and manufacturing of concrete, steel and timber structural products. Design principles and examples for concrete, steel and timber members.

CIVIL 270 5 Points**Directed Study****CIVIL 271** 10 Points**Directed Study****CIVIL 299** 0 Points**Workshop Practice**

Restriction: ENGGEN 299

Stage III**CIVIL 300** 15 Points**Geotechnical Engineering**

Compaction, settlement and rate of consolidation. Stability analysis in geotechnical engineering, including slope stability, earth pressures on retaining structures and bearing capacity of shallow foundations. Environmental and sustainability considerations.

Prerequisite: CIVIL 200

Restriction: CIVIL 322

CIVIL 301 15 Points**Foundation Engineering**

Design of foundations, both shallow and pile, for buildings and other structures. Assessment of foundation ultimate capacity and working load settlement. Site investigation methods, with particular emphasis on the use of penetrometer tests to estimate soil parameter values. Current foundation construction methods.

Design of embedded retaining walls. Special aspects of house foundation design and construction. Observed foundation performance.

Prerequisite: CIVIL 300, and STRCTENG 300 or 301 or 304

Restriction: CIVIL 721

CIVIL 302 15 Points**Hydrology and Open Channel Flow**

Engineering hydrology: Hydrologic processes, analysis of rainfall-runoff relationships, statistical analysis of hydrological data, groundwater flow. Open channel flow: energy and momentum, uniform flow and flow resistance, critical flow, specific energy and flow force, backwater analysis, channel transitions. Environmental and sustainability considerations.

Prerequisite: CIVIL 202

Restriction: CIVIL 331, ENVENG 333

CIVIL 303 15 Points**Transport Operations and Pavements**

Traffic engineering, transportation planning and road pavement design. Topics include the main transport planning and traffic design techniques, criteria and fundamentals used in transportation engineering practice, traffic studies, public transport and active modes and transport modelling (micro and macro simulation). Additionally, pavement design, surfacings, traffic loading, mechanistic approaches and rehabilitation of road pavements, and environmental and sustainability considerations, are included.

Prerequisite: CIVIL 203

Restriction: CIVIL 360, 361

CIVIL 304 15 Points**Climate Adaptation Design**

Fundamental understanding of the impact of climate change on the built environment and strategies, and design for adaptation. Topic areas include assessing climate change impacts, vulnerability studies, and climate change adaptation strategies, adaptation design and asset management for major infrastructure and infrastructure networks. Awareness and consideration of holistic adaptation strategies including indigenous knowledge perspectives and nature-based solutions.

Prerequisite: CIVIL 200, 203, ENVENG 200

Corequisite: CIVIL 303

CIVIL 305 15 Points**Construction Informatics**

The application of digital and automation technologies (such as building information modelling, virtual reality/augmented reality, internet of things, laser scanning, drones, artificial intelligence, big data, robotics) in civil engineering and management.

CIVIL 312 15 Points**Structures and Design 2**

Structural analysis of indeterminate structures. Moment-area method for deformations. Loading actions as per NZS 1170 and load collation. Design of structural members in timber portal frames.

Prerequisite: CIVIL 211

CIVIL 313 15 Points**Structures and Design 3**

Design of structures in reinforced concrete, prestressed concrete and structural steel. Computer analysis of structures; use of a commercial analysis program. Design project.

Prerequisite: CIVIL 211

CIVIL 314 10 Points**Structural Dynamics**

Dynamics of single and multi-degree-of-freedom systems. Ground motion, response spectra, time-history and spectral modal analysis; introduction to seismic design.

CIVIL 322 10 Points**Geomechanics 2**

Stability analysis in geotechnical engineering; slope stability, soil pressures on retaining structures, bearing capacity. Consolidation and settlement.

Prerequisite: CIVIL 221

CIVIL 324 10 Points**Geomechanics 3**

Shear strength of soil – triaxial testing, measurement of pore water pressures, and interpretation of test data. Effective

and total stress paths for drained and undrained loading in laboratory tests and field applications. Consolidation. Application of elastic solutions in geomechanics. Geotechnical numerical modelling.

Prerequisite: CIVIL 322 or equivalent

Restriction: CIVIL 420, 728

CIVIL 331 10 Points**Hydraulic Engineering**

Pipe flow – fluid resistance, friction factor, simple pipe flow and minor losses, steady-state pipe flow and pipe networks. Open channel flow – energy and momentum, uniform flow and flow resistance, critical flow, specific energy and flow force, backwater analysis, channel transitions.

Prerequisite: CIVIL 230 or equivalent

CIVIL 332 10 Points**Fluid Mechanics 2**

Laminar and turbulent flow. Ideal fluid flows. Boundary layer theory and separation, drag and lift. River morphology and flows. River pollution. Unsteady flow in channels.

CIVIL 360 10 Points**Transportation Engineering 1**

Highway alignment geometrics (horizontal, vertical and cross sectional design). Basis of the main pavement design techniques, pavement materials, stabilisation, compaction and bituminous surfacings.

CIVIL 361 10 Points**Transportation Engineering 2**

Planning for land transport facilities and urban development. Arrangement of street networks and environmental areas. Basic operational analyses at priority and signalised intersections for vehicles and pedestrians. Highway capacity analyses. Parking design. Introduction to transportation planning modelling.

CIVIL 370 5 Points**Directed Study****CIVIL 371 10 Points****Directed Study**

Postgraduate 700 Level Courses**CIVIL 700 15 Points****Geotechnical Analysis**

Shear strength of soil – triaxial testing, measurement of pore water pressures, and interpretation of test data for use in analysis. Introduction to numerical modelling in geotechnical engineering. The use of traditional methods versus numerical modelling in design.

Prerequisite: CIVIL 300

Restriction: CIVIL 324

CIVIL 701 15 Points**Studies in Civil Engineering 1**

Advanced course on topics to be determined each year by the Head of Department of Civil and Environmental Engineering.

CIVIL 702 15 Points**Design of Earthquake Resistant Foundations - Level 9**

Observed behaviour of foundations during earthquakes. Site investigation and laboratory testing to estimate values for required soil parameters. Earthquake induced foundation actions. Shallow and deep foundations subject to earthquake excitation. Soil-foundation-structure-interaction. Force-based and displacement-based design. Earthquake induced earth pressures on stiff retaining

structures. An independent foundation design project is required.

Prerequisite: CIVIL 301, STRCTENG 300 or 304

CIVIL 703 15 Points
Project Management in Built Environments

Application of different project management domains and principles in civil engineering projects, including the theory and practice of planning and control of civil engineering projects from inception to completion.

Restriction: ENGGEN 740, 742

CIVIL 704 15 Points
Advanced Topics in Project Management - Level 9

Advanced topics in project management are analysed such as: advanced scheduling techniques, integrated project delivery, lean construction, building-information modelling, negotiation techniques, dispute resolution and innovative project delivery models. Independent research is undertaken in an advanced project in project management.

CIVIL 705A 15 Points

CIVIL 705B 15 Points

Research Project - Level 9

Restriction: CIVIL 408

To complete this course students must enrol in CIVIL 705 A and B

CIVIL 706 15 Points
Special Topic: Water-sensitive Cities

CIVIL 707 15 Points
Construction Supply Chain Management - Level 9

Advanced topics in construction supply chain management such as construction logistics, buffer management, relational contracts and behavioural dimensions, analytical models for construction, information technologies and sustainable supply chains. Independent research is undertaken by developing individual research projects in which students study logistics and supply chain problems by analysing real production scenarios or the current literature available in this topic.

CIVIL 710 15 Points
Advanced Structural Dynamics - Level 9

Advanced topics in structural dynamics, such as wave guide representation, holistic consideration of structural behaviour including soil, main and secondary structures interaction, nonlinearities of soil-foundation-structure systems including uplift, pile-soil separation, plastic hinge or pounding. The core skills are taught and accompanied by an individual project in which independent research is undertaken to solve a challenging structural dynamics problem.

Prerequisite: Departmental approval

CIVIL 711 15 Points
Structures Seminar

Selected topics from recent developments in structural analysis and design, including an introduction to the advanced behaviour and design of thin-walled steel sections and composite components made from cold-formed sheet and light-weight fillers.

CIVIL 713 15 Points
Structures and Design 4

Continuation of the design and detailing of structural assemblages in structural steel, reinforced concrete, reinforced masonry and timber, including connections in steelwork, composite steel/concrete beams and reinforced masonry structures. Emphasis on good load

paths, application of seismic design, techniques for the checking of existing structures and lessons learnt from failures. Introduction to the NZ Standard for light timber frame construction and concepts for light steel frame construction.

Prerequisite: either CIVIL 312 and 313, or STRCTENG 301 and 302 and 303

Restriction: CIVIL 411

CIVIL 714 15 Points
Multistorey Building Design

Techniques for the design of structures to resist seismic loading. Derivation of design actions, alternative structural systems for resisting these loads, design of structural components subject to cyclic inelastic action, detailing of members and joints to enhance earthquake resistance. Techniques of seismic isolation. Design project.

Prerequisite: either CIVIL 313, or STRCTENG 302 and 303

CIVIL 715 15 Points
Advanced Structural Concrete - Level 9

Design and detailing of prestressed and precast concrete components. Advanced mechanics of reinforced concrete members subject to axial, flexure, shear, and torsion actions. Design of state-of-art low-damage concrete structural systems. Includes an independent concrete design project and an independent research project on past failures of concrete structures.

Prerequisite: CIVIL 313 or STRCTENG 303

CIVIL 716 15 Points
Construction Risk Management - Level 9

A broad-based understanding of the critical elements of risk and risk management within the civil engineering industry. Risk analysis tools and techniques for the construction engineer, and risk response. Risk monitoring techniques, risk control and transference of risk methods. An independent project is undertaken in which students apply risk principles to civil engineering projects.

Restriction: ENGGEN 737

CIVIL 717 15 Points
Advanced Structural Timber - Level 9

Advanced topics in timber design such as: shearwalls, diaphragms, special glulam beams, bolted connections, new fasteners, engineered wood products, laminated bridges, inspection of timber structures. Emphasis will be placed on latest international developments. The core skills are taught and accompanied by an individual project in which independent research is undertaken to solve a challenging timber connection problem.

Prerequisite: CIVIL 451 or 750 or equivalent

CIVIL 718 15 Points
Light Gauge Steel

Use of thin steel load bearing structural components in walls, floors and roofs. Behaviour of members and connections under the full range of structural actions. Theory and design application including the Direct Strength Method of design. Use of light gauge steel acting compositely with other materials such as concrete and structural foams.

Prerequisite: CIVIL 313 or STRCTENG 302

CIVIL 719 15 Points
Matrix Structural Analysis

Direct stiffness method applied to linear, nonlinear and stability analyses. Introduction to variational principles and finite element method. Projects in practical modelling

of major structures such as bridges and multi-storey buildings. Use of commercial software.

Restriction: CIVIL 416

CIVIL 720

15 Points

Earthquake Engineering

Earthquakes and the effects on civil infrastructure. The passage of seismic waves from inception, propagation, arrival at site bedrock, site specific response, infrastructure response. Including engineering seismology, seismotectonic setting of NZ, probabilistic seismic hazard analyses, NZS 1170.5, infrastructure dynamics, base isolation, effects of site geology, geophysical and geotechnical site characterisation, concepts of soil-structure interaction, the Canterbury series of earthquakes.

Prerequisite: either CIVIL 313 and ENGSCI 311, or ENGSCI 311 and at least 15 points from STRCTENG 301-304 or equivalent

CIVIL 721

15 Points

Foundation Engineering

Foundation performance requirements. Foundation types. Foundation design loads. Limit state design. Design of shallow foundations. Design of deep foundation. Case histories illustrating construction, performance and failure of foundations. Design and performance of gravity retaining structures, embedded retaining walls and reinforced earth walls.

Prerequisite: CIVIL 312 or equivalent

Restriction: CIVIL 323, 421

CIVIL 722

15 Points

Slope Engineering

Slope failure mechanisms, geological controls and classification. Shear strength of rock and soil materials. Laboratory testing of earth materials for slope stability. Limit equilibrium techniques, including analytical, numerical and graphical methods. Effects of water and earthquake on slope stability. Slope monitoring, stabilisation and remediation. Landslide risk management.

Prerequisite: CIVIL 300 or 322

Restriction: CIVIL 422, ENVENG 324

CIVIL 724

15 Points

Soil Behaviour - Level 9

Advanced topics in soil behaviour including stress-strain-strength response of remoulded and natural geomaterials when subject to monotonic and cyclic loading; critical state soil mechanics; advanced soil testing; and partially saturated soils. Includes an independent research project related to an applied topic in soil behaviour.

Prerequisite: CIVIL 324 or equivalent

CIVIL 725

15 Points

Geotechnical Earthquake Engineering - Level 9

Advanced topics in earthquake effects on geotechnical structures, including: dynamic properties of soils; earthquake-induced ground response; seismic stability of slopes, embankments; earth-retaining structures; soil liquefaction; ground deformations; remediation and mitigation techniques. Design applications and advanced methods of analysis with case history analyses of major earthquakes. An independent research project will be used to solve a challenging geotechnical earthquake engineering problem.

Prerequisite: CIVIL 300

CIVIL 726

15 Points

Engineering Geology

Introduction to fundamentals in soil and rock mechanics and their application to engineering projects. Discussion

of natural hazards and their implications on infrastructure design. Practical exercises in field mapping, core logging, aerial photograph interpretation, and basic laboratory tests.

Restriction: CIVIL 404, EARTHSCI 372, GEOLOGY 372

CIVIL 727

15 Points

Dynamics of Structures in Earthquakes

Dynamic behaviour of structures and the means of predicting their response to the effects of earthquakes. Fundamental principles of earthquake engineering, including the effects of structural properties, and the roles of ductility, damping and isolation in mitigating earthquake damage. An individual research project on the impact of earthquakes on civil infrastructure is undertaken.

Prerequisite: STRCTENG 200

Restriction: CIVIL 314, STRCTENG 300

CIVIL 728

15 Points

Geotechnical Engineering in Professional Practice

Shear strength of soil – triaxial testing, measurement of pore water pressures, and interpretation of test data. Effective and total stress paths for drained and undrained loading in laboratory tests and field applications. Consolidation. Application of elastic solutions in geomechanics. Geotechnical numerical modelling. Includes a project.

Prerequisite: Departmental approval

Restriction: CIVIL 324

CIVIL 729

15 Points

Humanitarian Engineering

Evaluate frameworks used in the humanitarian engineering field to assist with human crises, including shelter, standards, law, human rights, resilience, appropriate engineering. Rapid assessments, application of minimum international standards for engineering, engineered shelter solutions, water, sanitation and hygiene and the engineering management of humanitarian crises.

CIVIL 731

15 Points

Water Resources Modelling

Risk and uncertainty in water resources systems; evaluation of alternatives in water resources; hydrologic modelling; hydraulic modelling; river basin modelling; water resources economics.

CIVIL 732

15 Points

Coastal Engineering Design

Deriving design conditions, wave pressures and forces, design of structures, beaches and control structures, introduction to port, introduction to coastal modelling.

Prerequisite: CIVIL 733

CIVIL 733

15 Points

Coastal Engineering Dynamics

Waves, wave theories, surf zone processes, sediment transport, dynamics of coastal systems.

Restriction: CIVIL 431

CIVIL 734

15 Points

River Engineering

Scales; flows; fluvial processes; mixing; ecohydraulics.

CIVIL 735

15 Points

Transport Modelling and Design

The planning, modelling, design and operation of current and future transport systems. Topics include transport models and their applications, Intelligent Transport Systems and emerging technologies, transport planning process and travel demand modelling. Transport models are developed to plan, design and manage transport

networks based on fundamental modelling concepts, New Zealand specifications and international best practices.

Prerequisite: CIVIL 303

Restriction: CIVIL 758

CIVIL 736 15 Points

Transport Safety and Mobility

Develop a sound understanding of safety and mobility of transport systems. Transport safety topics include safe systems, crash reduction studies, road safety audits and at-grade intersection geometric design, economic appraisal methods and transport infrastructure funding. Planning for transport mobility and sustainable transport systems, public transport systems, active modes and travel behaviour.

Prerequisite: CIVIL 203

Restriction: CIVIL 759

CIVIL 737 15 Points

Coastal Modelling

Computer simulation of coastal and wave processes. Introduces modelling software for coastal engineering, ranging from simplified wave propagation codes to sophisticated computational fluid dynamics (CFD) solvers. The learning approach is mostly hands-on, building on information delivered in lectures to allow the student to gain practical knowledge of the software in computer laboratory sessions.

Prerequisite: CIVIL 733

CIVIL 738 15 Points

Construction 4.0: The Future of Construction - Level 9

Advanced knowledge in Construction 4.0 and the deployment of related technologies (Internet of Things (IoT) smart construction sites, reality capture tools such as drones, 3D scanning, robotics, visualisation) in engineering and construction projects. Applications of technologies in addressing health and safety, productivity, efficiency and sustainability. Best practices of technology implementation in built environments. Independent research is undertaken in Construction 4.0.

CIVIL 740 15 Points

Studies in Civil Engineering 3 - Level 9

Advanced course on topics to be determined each year by the Head of Department of Civil and Environmental Engineering. The course will include the independent application of highly specialised knowledge and skills related to the study area.

CIVIL 741 15 Points

Ground Improvements and Geosynthetics Engineering

Advanced ground improvement techniques including: densification, consolidation, preloading and surcharge, soil reinforcement, stabilisation and thermal ground improvement.

Prerequisite: CIVIL 300 or 322

Restriction: CIVIL 403

CIVIL 742 15 Points

Bridge Design

Comprehensive overview of road and rail bridge typologies, design philosophies, performance requirements in key areas of strength and serviceability, calculation methods to address these topics and the analysis and strengthening of existing bridges. Bridge technology used in New Zealand and associated legislative requirements.

Prerequisite: CIVIL 713, 715 or equivalent

CIVIL 743 15 Points

Special Topic: Building Information Modelling

Introduction to the main principles and tools of Building Information Modelling (BIM) in the Architecture-Engineering-Construction (AEC) industry. This course is suitable for different AEC professionals such as civil and structural engineers, architects, among others.

CIVIL 744 15 Points

Special Study in Earthquake Engineering

An advanced course on topics in earthquake engineering to be determined each year by the Head of Department of Civil and Environmental Engineering.

CIVIL 745 15 Points

Seismic Assessment of Existing Buildings - Level 9

Principles of assessing the response of buildings to earthquakes and identification of vulnerabilities for different building types. Example buildings will be assessed using these advanced methodologies and independent research conducted on appropriate forms of retrofit.

Prerequisite: STRCTENG 303 or equivalent

CIVIL 746 15 Points

Nonlinear Structural Analysis - Level 9

Nonlinear behaviour of structures and the formulation of elements to model such behaviour; solution strategies; nonlinear material and section response; nonlinear dynamic analysis; nonlinear geometry; application of nonlinear analysis in engineering practice. Research and critically compare modeling approaches used for real buildings. Includes an independent research project involving nonlinear analysis of a real structure as a 'blind prediction'.

CIVIL 750 15 Points

Timber Engineering

The practical understanding of timber and its use in the construction industry. Design and detailing techniques for connections in timber structures, plywood structures, pole structures, timber floor systems, bridges, multi-storey buildings, formwork and falsework, arches and cable stayed systems.

Prerequisite: CIVIL 312 or STRCTENG 301

Restriction: CIVIL 451

CIVIL 754 15 Points

Geotechnical Modelling

Analysis of stress and strain in two and three dimensions, the idea of a constitutive law, elastic and plastic models for geomaterials. Numerical modelling of consolidation. Implementation of realistic models for soil and rock mass stress-strain-strength behaviour in numerical analysis software and evaluation of geotechnical software against known solutions.

CIVIL 756 15 Points

Capstone Project

Final year team exercise with students in multi-disciplinary civil and environmental roles integrating technical learning into realistic design outcomes. Comprehensive investigation of an open ended, complex, real or synthetic civil engineering problem with simulated professional design office constraints. Includes technical, economic, cultural, social, ethical, and environmental impact components to complete a scheme assessment report, incorporating safety in design concepts.

Prerequisite: 90 points from Part III courses listed in the BE(Hons) Schedule for Civil Engineering or Structural Engineering

CIVIL 761 15 Points**Planning and Design of Transport Facilities**

Selected topics from: traffic signal practice/safety audits, two way highway planning, arterial traffic management, modelling and simulation and traffic flow.

CIVIL 762 15 Points**Transportation Planning**

Provides an in-depth exploration of various components of the urban transportation planning process, with emphasis on theories on modelling. The principle behind the conventional four-stage transport planning model, namely, trip generation, trip distribution, modal split and trip assignment, is covered in detail.

CIVIL 763 15 Points**Smart Infrastructure Analytics**

Develops fundamental knowledge in the use of computer programming and data analytics to solve real-world infrastructure problems, such as reducing traffic congestion, predicting water usage and infrastructure failures. Group and independent projects are undertaken in which students study complex smart infrastructure analytics problems using real-world data.

CIVIL 764 15 Points**Highway Safety and Operations - Level 9**

Advanced planning, design, operation and safety management of predominantly two way two lane highways, including: passing and overtaking models analysis and treatments, collision modification and mitigation, roadway design, skid resistance, delineation, temporary traffic control, evaluation methods, and environmental management measures. An independently applied research project will use advanced analytical skills to critically evaluate factors which impact highway safety.

Prerequisite: CIVIL 360, 361, and 15 points from 661, 759, or equivalent

CIVIL 765 15 Points**Infrastructure Asset Management - Level 9**

Advanced theories and techniques fundamental to the management of infrastructure assets, with a primary focus on Asset Management Plans. Covers the entire spectrum of infrastructure, including roads, water networks and buildings. A major independent project incorporates a literature review and selection, and then critical review, of an Asset Management Plan from industry.

CIVIL 766 15 Points**Transportation Asset Management - Level 9**

Focuses on advanced topics in transportation asset management. Develops a critical awareness of the key issues encountered, including those related to the evaluation of performance; risk management; predictive modelling and calibration; prioritisation and optimisation; and life cycle analysis. The core skills are extended by an independent applied project in which students undertake to solve a complex transportation asset management problem.

CIVIL 767 15 Points**Pavement Analysis and Design**

Selected topics from: pavement design philosophy; stresses, strains and deflections in pavements; pavement material properties and characterisation; traffic loading and volume; pavement failure mechanisms; structural and functional assessment of pavements; empirical and

mechanistic pavement design methods; pavement overlay design; asphalt mix design.

Prerequisite: 15 points from CIVIL 661, 759, or equivalent

CIVIL 769 15 Points**Highway Geometric Design - Level 9**

An advanced course in highway geometric design techniques. Through the use of an independent applied project, students will apply advanced theory, methods, processes and design tools to the safe design of highway geometric alignments that includes an understanding of human / driver behaviour characteristics.

Prerequisite: CIVIL 360, 361, and 15 points from 661, 759, or equivalent

CIVIL 770 15 Points**Transport Systems Economics - Level 9**

Advanced specialist topics in transportation economics including economic analysis, the theory of demand and supply of transport, government intervention policies, and the theory of externalities and agglomeration. Students are required to undertake a major research project by analysing two major transportation infrastructure projects to determine the likely future social and real time benefits and dis-benefits which accrue to the wider community.

CIVIL 771 15 Points**Planning and Managing Transport - Level 9**

An advanced course on integrating land use planning and transport provisions, including planning for different land use trip types and parking, travel demand management techniques, and intelligent transport systems applications. An independent project applies this specialised knowledge towards planning, designing and managing transport infrastructure in a Territorial Local Authority (TLA) area.

CIVIL 773 15 Points**Sustainable Transport: Planning and Design**

Pedestrian planning and design; cycling facilities and planning; land use and trips; travel behaviour change and travel plans; integrated transport assessment; transport impact guidelines for site development.

CIVIL 774 15 Points**Studies in Transportation 1**

A graduate course on a range of selected topics to be determined each year by the Head of the Department of Civil and Environmental Engineering.

CIVIL 779A 15 Points**CIVIL 779B 30 Points****Research Project in Transportation - Level 9**

Students are required to submit a report on a topic in transportation assigned by the Head of Department.

To complete this course students must enrol in CIVIL 779 A and B

CIVIL 781 15 Points**Civil Engineering Planning and Execution**

Coverage of legislation, regulatory processes and best practice pertaining to the project lifecycle of civil engineering projects, including stakeholder analysis, feasibility and financial assessment, multi-criteria analysis, mana whenua, sustainable use of natural resources, health and safety, procurement, critical path programming, engineering contracts, contract administration and professional engineering ethics. Case studies are used to reinforce the practical application of theoretical ideas.

Restriction: CIVIL 790

CIVIL 782 15 Points**Water Resources Engineering**

A selection from the following: reservoir design and optimisation, flood control and design of flood control structures, micro to large scale hydroelectric engineering, river engineering and sedimentation. A water resources engineering design project.

Prerequisite: either CIVIL 302, or CIVIL 331 and ENVENG 333

Restriction: CIVIL 480, 482

CIVIL 783 15 Points**Water Distribution System Modelling and Analysis**

Fundamental theory of hydraulics and water quality in pipe networks, its implementation in software simulation tools and the application of models to the design and management of water distribution systems. Network theory, simulation practice, consumer and fire demand, water loss management, design, optimisation and master planning.

Prerequisite: CIVIL 202

CIVIL 787 15 Points**Project X - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval required

CIVIL 788 30 Points**CIVIL 788A 15 Points****CIVIL 788B 15 Points****Research Project - Level 9**

Prerequisite: Departmental approval required

To complete this course students must enrol in CIVIL 788 A and B, or CIVIL 788

CIVIL 789 30 Points**Project Z - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval required

CIVIL 790 15 Points**Civil Engineering Administration**

The application of legal, cultural, social and ethical principles to problems in civil engineering and environmental engineering management. Examines the administration of national and international engineering contracts. Discusses statutes affecting engineering business. Investigates the implications of resource management and natural resource allocation legislation on engineering projects. Analyses processes for resolving engineering disputes.

Restriction: CIVIL 401, 490, ENGGEN 734

CIVIL 791 15 Points**Construction Management**

Understanding topics necessary for effective construction management. Using a generic construction project life cycle, essential aspects of construction projects including the tendering process, planning, resource allocation, teamwork, site safety, and contract types are covered. Case studies are used to reinforce the application of theoretical ideas to the successful running of construction projects with considerations of cultural, social and ethical responsibilities.

Restriction: CIVIL 409

CIVIL 792 15 Points**Discrete-event Simulation in Construction - Level 9**

Application of discrete-event simulation (DES) modelling

to advanced planning and design construction operations and management of the construction supply chain. Critical assessment of the improvements in efficiency of planning methods and decisions patterns in construction management using DES. Individual and team research projects will apply advanced DES concepts and methods to complex, real-world construction projects.

CIVIL 793A 30 Points**CIVIL 793B 60 Points****Thesis - Level 9**

To complete this course students must enrol in CIVIL 793 A and B

CIVIL 794A 45 Points**CIVIL 794B 45 Points****Thesis - Level 9**

To complete this course students must enrol in CIVIL 794A and B

CIVIL 795 45 Points**CIVIL 795A 15 Points****CIVIL 795B 30 Points****Research Project (Civil) - Level 9**

Students are required to submit a report on a topic relevant to the specialisation, as assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in CIVIL 795 A and B, or CIVIL 795

CIVIL 796A 60 Points**CIVIL 796B 60 Points****Thesis - Level 9**

Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in CIVIL 796 A and B

Computer Systems Engineering

Stage II**COMPSYS 201 15 Points****Fundamentals of Computer Engineering**

Digital systems and binary coding; binary numbers; Boolean algebra and computer logic; combinational logic circuits; sequential logic circuits; hardware description language; digital design flow; register transfer level descriptions and design; data paths and control units; from circuits to microprocessors; basic computer organisation; introduction to modern microprocessors; timers and interfacing; C and assembly language for microprocessors; designing digital systems using microprocessors.

Prerequisite: ELECTENG 101

COMPSYS 202 15 Points**Object Oriented Design and Programming**

A project-based course with extensive hands-on programming experience. Includes: an introduction to object oriented design including UML, sequence diagrams, use-case analysis; an introduction to object oriented programming in a modern high level language, algorithms, data abstraction and elementary data structures.

Prerequisite: ENGGEN 131 or ENGSCI 131

Restriction: MECHENG 270

COMPSYS 209 15 Points**Computer Systems Design**

Project-based course introducing real-world design aspects of hardware and software components of computer systems using appropriate design methodology. Practical skills will be gained in computer aided design tools, printed circuit board design and construction. Professional issues introduced in ENGGEN 204 (health and safety, sustainability, cultural diversity/awareness, communication, leadership, teamwork, financial awareness) and design for repair are reinforced and developed.

Prerequisite: COMPSYS 201 and ELECTENG 202, or COMPSYS 201 and ELECTENG 291, or PHYSICS 140 and 244

Restriction: ELECTENG 209

COMPSYS 299 0 Points**Workshop Practice**

Restriction: ENGGEN 299

Stage III**COMPSYS 301 15 Points****Design: Hardware Software Systems**

An appreciation of the engineering design process as applied to computer systems. Design skills are enhanced through engineering projects which typically include elements of: computer hardware/software design, system design and control, sensing, actuation and interfacing. Professional issues introduced in ENGGEN 204 and 303 (health and safety, ethics, sustainability, cultural diversity/awareness, communication, leadership, teamwork, financial awareness) are reinforced and developed.

Prerequisite: COMPSYS 305, and COMPSYS 209 or ELECTENG 209, and COMPSYS 202 or SOFTENG 281

COMPSYS 302 15 Points**Design: Software Practice**

A project-based course to gain experience in software design emphasising problem solving techniques and applications in computer systems engineering. The course includes practical, real-world project(s) involving a representative subset of the following topics: algorithm and data structure selection and implementation, parsing and translation, object-oriented and multi-threaded programming, scripting languages, peer-to-peer communication over internet.

Prerequisite: COMPSYS 202 or SOFTENG 281

COMPSYS 303 15 Points**Microcomputers and Embedded Systems**

Embedded applications. Microprocessors, microcontrollers, architecture, organisation, programming memories, I/O interfacing. Sensors, actuators, analog interfaces. Hardware/Software partitioning and interfacing. Concurrency. Implementing data transformations and reactivity. Case studies.

Prerequisite: COMPSYS 201, and COMPSYS 202 or SOFTENG 251 or 281

COMPSYS 304 15 Points**Computer Architecture**

Modern processor architectures. Principles of modern processor design; pipelining; memory hierarchies; I/O and network interfacing; compiler and OS support; embedded processors; performance; multiprocessing.

Prerequisite: COMPSYS 201

Restriction: COMPSYS 313

COMPSYS 305 15 Points**Digital Systems Design**

Digital Systems implementation technologies with

emphasis on hardware description languages and design abstraction levels; structural, architectural and behavioural modelling; register-transfer level design; datapath and control units; functional and timing simulations; FPGA-based implementation design flow and case studies.

Prerequisite: COMPSYS 201

COMPSYS 306 15 Points**Artificial Intelligence and Machine Learning**

Fundamentals of artificial intelligence, including topics from artificial neural networks, fuzzy models, genetic algorithms. Using machine learning as an application of artificial intelligence to use data for training and inference, including topics from convolutional neural networks, deep learning, pattern classification and recognition.

Prerequisite: COMPSYS 201, and COMPSYS 202 or SOFTENG 281

Postgraduate 700 Level Courses**COMPSYS 700A 15 Points****COMPSYS 700B 15 Points****Research Project - Level 9**

Students are required to submit a report on project work carried out on a Computer Systems Engineering topic assigned by the Head of Department. The work shall be supervised by a member of staff.

Prerequisite: COMPSYS 301, and 45 points from COMPSYS 302-305, ELECTENG 303, 331, 332

Restriction: COMPSYS 401

To complete this course students must enrol in COMPSYS 700 A and B

COMPSYS 701 15 Points**Advanced Digital Systems Design - Level 9**

Advanced concepts in digital design including: System-on-Chip (system level description, behavioural and register-transfer descriptions); advanced modelling techniques and design flows; design space exploration and optimisation; hardware-software partitioning and trade-offs; component reusability; reconfigurable systems; low-power systems; case studies (speech, image, video algorithms implementation, application specific processor design); individual research projects to analyse the problem, model and implement the required hardware-software components.

Prerequisite: COMPSYS 305

COMPSYS 704 15 Points**Advanced Embedded Systems - Level 9**

Selected advanced topics from current research in embedded systems such as: embedded systems based on formal models of computation; centralised and distributed architectures for embedded systems; static and dynamic embedded systems; languages and frameworks for distributed embedded systems; actor and agent systems; verification. Includes a significant individual research project.

Prerequisite: COMPSYS 723, and 202 or SOFTENG 281

COMPSYS 705 15 Points**Formal Methods for Safety Critical Software - Level 9**

Formal methods for the validation/verification of safety critical software, including machine learning algorithms. Topics covered will include mathematical modelling for embedded, automation, and mechatronic systems; advanced techniques for validation and verification; techniques for formal specification; methods of verification such as Bisimulation and model checking; state space explosion problem and solutions such as BDDs, symbolic

model checking, and modular verification; verification of HDL/C using model checking tools. Includes a significant individual research project.

Prerequisite: COMPSYS 202 or ENGSCI 233 or MECHENG 270 or 313 or SOFTENG 211 or 281 or 282

COMPSYS 708 15 Points
Special Topic

An advanced course on topics to be determined each year by the Head of Department.

COMPSYS 710 15 Points
Studies in Computer Systems Engineering 1

Advanced courses on topics to be determined each year by the Head of Department.

COMPSYS 711 15 Points
Studies in Computer Systems Engineering 2

Advanced courses on topics to be determined each year by the Head of Department.

COMPSYS 713 15 Points
Studies in Computer Systems Engineering 4

Advanced courses on topics to be determined each year by the Head of Department.

COMPSYS 714 15 Points
Studies in Computer Systems Engineering 5

Advanced courses on topics to be determined each year by the Head of Department.

COMPSYS 715 15 Points
Studies in Computer Systems Engineering 6

Advanced courses on topics to be determined each year by the Head of Department.

COMPSYS 721 15 Points
Machine Intelligence and Deep Learning

Explores essential concepts and technologies in state-of-the-art deep neural network architectures, including convolutional neural networks, decision trees, random forests, similarity learning, recurrent neural networks, and long short-term memory networks. Includes hands-on experience combining hardware components with software implementations.

Prerequisite: COMPSYS 306, and COMPSYS 302 or SOFTENG 306 or 351

Restriction: COMPSYS 726

COMPSYS 722 15 Points
Special Topic

An advanced course on topics to be determined each year by the Head of Department.

COMPSYS 723 15 Points
Embedded Systems Design

Concurrency and models of computation, task models and race conditions, real-time operating systems based approach, synchronous approach, safe state machines, key properties: determinism and reactivity, SoPC and MPSoC, cyber-physical embedded systems, static analysis techniques, case studies in smart grid, automotive, medical devices and the like.

Prerequisite: COMPSYS 303 or 304 or SOFTENG 370

Restriction: COMPSYS 402, 403, 727

COMPSYS 725 15 Points
Distributed Cyber-Physical Systems Design

Network layers and protocols. Packet switching. Broadband network principles. Low versus high bandwidth services.

Network interfaces and instrumentation. Wireless networks in embedded applications. Industrial networking.

Prerequisite: COMPSYS 201, and 202 or SOFTENG 281

Restriction: COMPSYS 405

COMPSYS 726 15 Points
Robotics and Intelligent Systems - Level 9

Fundamentals of robotic and intelligent systems, including reactive and deliberative functionality, navigation techniques, planning and programming of robot actions, machine learning, artificial neural networks and may include topics in sensors and actuators, kinematic analysis, fuzzy systems, genetic algorithms. Core concepts are extended by an individual research project where a challenging robotics problem is analysed and a solution implemented and tested.

Prerequisite: 15 points from COMPSYS 302, 306, ENGSCI 331, MECHENG 313, SOFTENG 306

Restriction: COMPSYS 406, 721

COMPSYS 727 15 Points
Model-based Embedded Systems Design - Level 9

Traditional and advanced methods of embedded systems modelling and design, models of computation, hardware-software co-design, real-time and safety-critical systems, principles of embedded and real-time operating systems, design using the real-time operating systems approach and the synchronous approach, use of the networks in real-time embedded systems. The assessment includes a significant individual research project.

Prerequisite: COMPSYS 303

Restriction: COMPSYS 402, 403, 723

COMPSYS 728 15 Points
Special Topic - Level 9

An advanced course on a topic to be determined each year by the Head of Department. Includes a substantial individual research project.

Prerequisite: Departmental approval

COMPSYS 729 15 Points
Special Topic - Level 9

An advanced course on a topic to be determined each year by the Head of Department. Includes a substantial individual research project.

Prerequisite: Departmental approval

COMPSYS 730 15 Points
Robotics and Society

Explores the moral, ethical and societal impacts of increasing automation in our society, and how both work and leisure will be impacted as robots become more commonplace. Topics also include legal issues, privacy, safety, standards, and indigenous and cultural issues and opportunities.

COMPSYS 731 15 Points
Human-Robot Interaction

Human aspects of robotic systems, including how humans and robots can live and interact together. Cultural considerations around the perception of robots and expected robot behaviours in different domains such as agriculture, education, healthcare, and manufacturing.

Prerequisite: 15 points from COMPSYS 302, 306, ENGSCI 331, MECHENG 313, SOFTENG 306

COMPSYS 732 15 Points
Mobile Autonomous Robotics

Techniques and principles for designing and developing mobile robots that interact autonomously with their environment. Topics include sensors and actuators,

kinematic analysis, computer vision, state estimation and planning. Includes significant hands-on experience through the design and development of a mobile robot.

Prerequisite: 15 points from COMPSYS 302, 306, ENGSCI 331, MECHENG 313, SOFTENG 306

COMPSYS 770 15 Points

Capstone Project

Final year team exercise with students in multi-disciplinary roles, with focus on computer systems engineering and integrating technical learning into realistic design outcomes. Comprehensive investigation of an open ended, complex, real or synthetic computer, electrical and software engineering problem with simulated professional design office constraints. Includes technical, economic and environmental impact components to complete a scheme assessment report.

Prerequisite: 75 points from Part III courses listed in the BE(Hons) Schedule for the Computer Systems Engineering specialisation

COMPSYS 787 15 Points

Project X - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

COMPSYS 788 30 Points

COMPSYS 788A 15 Points

COMPSYS 788B 15 Points

Research Project - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in COMPSYS 788 A and B, or COMPSYS 788

COMPSYS 789 30 Points

Project Z - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

COMPSYS 792 45 Points

COMPSYS 792A 15 Points

COMPSYS 792B 30 Points

Research Project (Robotics and Automation) - Level 9

Prerequisite: CHEMMAT 751 or CIVIL 705 or COMPSYS 700 or ELECTENG 700 or ENGEN 769 or ENGSCI 700 or MECHENG 700 or SOFTENG 700

To complete this course students must enrol in COMPSYS 792 A and B, or COMPSYS 792

COMPSYS 795 45 Points

COMPSYS 795A 15 Points

COMPSYS 795B 30 Points

Research Project (Computer Systems) - Level 9

Students are required to submit a report on a topic relevant to the specialisation, as assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in COMPSYS 795 A and B, or COMPSYS 795

COMPSYS 796A 60 Points

COMPSYS 796B 60 Points

ME Thesis (Computer Systems) - Level 9

Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in COMPSYS 796 A and B

Design

Stage I

DESIGN 100 30 Points

Design Methods and Processes 1

Introduces students to human-centred design methods and tools that range from problem framing to prototyping, modelling, and validating solution ideas. Students will address a variety of briefs based on real-world problems and contexts, exploring their personal creative potential through a series of hands-on projects supported by presentations.

DESIGN 101 15 Points

Design Theory and Fundamentals

Introduces historical and contemporary drivers of design as a maker of socio-cultural meaning. Students will learn fundamental design principles used for communication and sense-making, applied across a variety of mediums and technologies. Students will be introduced to tikanga Māori and to the main ethical, socio-cultural, economic and environmental propellants of design.

DESIGN 102G 15 Points

Design for Sustainable Futures

New opportunities are continually emerging in the field of design. This course introduces design as strategy, demonstrating how contemporary design practices have evolved, responded to, and influenced change. By developing a design project that responds to the United Nations Sustainable Development Goals, students will learn how design thinking complements current practice and expands career prospects.

Stage II

DESIGN 200 30 Points

Design Methods and Processes 2

A studio-based course in which students learn new design methods and technologies. Students also develop customised design strategies in response to real-world challenges. By working on a detailed case study, students learn to address issues that affect local communities. Students present their design solutions, learn to pitch design concepts, and evaluate potential outcomes.

Prerequisite: DESIGN 100, 101

DESIGN 201 15 Points

Creative Communities

Introduces how the digital revolution has empowered people to organise themselves, collaborate and co-operate in non-hierarchical, creative ways. Students will explore the role of designers as catalysts for bottom-up, self-determined and distributed creativity within this scenario. They will learn to design for purpose and positive impact, co-creating open and resilient systems within their local communities.

Prerequisite: DESIGN 100, 101

DESIGN 210 15 Points Identity, Indigeneity and Place Encourages students to identify their own positionality within Aotearoa and the wider Pacific. Using decolonising methods to critically analyse design solutions, students will explore their own identity and position themselves as cultural practitioners with obligations towards local communities. <i>Prerequisite: DESIGN 100, 101</i>	DESIGN 222 15 Points Business Tools for Designers Examines the most relevant tools that designers use for project management and business development. This includes services and technologies involved in strategic planning, content management, scheduling, communicating, collaborating, costing, client relations, impact planning, and product and market research. <i>Prerequisite: DESIGN 100, 101</i>
DESIGN 211 15 Points Aotearoa New Zealand Narratives An introduction to cultural narratives of Aotearoa New Zealand, and the role that contemporary design is playing as a participatory method for community-led change, both from bottom-up and institutional perspectives. Students will explore design as a practice for facilitating self-determination, and learn ways to enable genuine, respectful partnerships in order to tackle complex local and global challenges. <i>Prerequisite: DESIGN 100, 101</i>	DESIGN 223 15 Points Game Design Provides students with a practical foundation in game design with a focus on concept development, design decomposition, and prototyping. Using game design theory, analysis, physical prototyping, playtesting, and iteration students learn how to translate game ideas, themes, and metaphors into gameplay and player experiences. Students will further be exposed to the basics of effective game design and learn the basics of game development. <i>Prerequisite: DESIGN 100, 101</i>
DESIGN 212 15 Points Local Making Examines historic and contemporary making techniques, materials, and networks to understand the scope, scale and value of local traditions, with an emphasis on Māori and Pacific practices. Students will collate a personalised database of local inspirations and resources for continued development and professional reference. This will form the inspiration for the students' own made outcomes. <i>Prerequisite: DESIGN 100, 101</i>	DESIGN 224 15 Points Special Topic: Visual Communication Provides extended visual communication concepts and skills for application across a range of design practices and technologies. Practical experiments with a range of materials and technologies explore the elements and principles of visual communication to strengthen skills in effective sense-making, organisation, encoding, and expression of information to convey meaning. <i>Prerequisite: DESIGN 100 and 101, or 60 points passed in the Bachelor of Communication</i>
DESIGN 213 15 Points Food Design Explores the complex global social, technical, and ecological relationships of food production, management, and consumption, with a focus on Aotearoa and the Pacific. Narrative, place-based, cultural, economic and creative perspectives on food design will provide frameworks for problem identification and prototype development to enhance local food systems. <i>Prerequisite: DESIGN 100, 101</i>	DESIGN 230 15 Points Design, Wellbeing and Communities Students will identify and analyse how selected design interventions contribute to the health and wellbeing of communities in a range of contexts. Using service and experience design methods students will present ethical and feasible design strategies that examine notions of wellbeing, health, happiness and freedom, from individual to community level perspectives. <i>Prerequisite: DESIGN 100, 101</i>
DESIGN 214 15 Points Special Topic	DESIGN 231 15 Points The Future of Work and Play Students will analyse how global techno-social changes such as automation and climate change could impact the way we work and play, now and in the future. Students will critically speculate about possible and probable futures by developing fictional scenarios which test a range of design concepts for transition into preferable futures. <i>Prerequisite: DESIGN 100, 101</i> <i>Corequisite: DESIGN 200</i>
DESIGN 220 15 Points Design Innovation Introduces students to entrepreneurship within creative industries, focusing on the role of strategic design as a driver for purpose-led, sustainable innovation. Students will learn trends, methods and tools for organisational innovation, whether funding, launching, and managing new start-up companies, or dealing with change within existing organisations (intrepreneurship). <i>Prerequisite: DESIGN 100, 101</i>	DESIGN 232 15 Points Smart Homes and Cities Introduces the main drivers, strategies, and technologies that make smart cities efficient and sustainable. Students will analyse case studies to understand how these cities work from a systems-level perspective to a human-scale, experiential level. They will propose concept solutions to identified problems and opportunities, demonstrating how future homes and cities may operate synergistically through a connected system of interfaces and services. <i>Prerequisite: DESIGN 100, 101</i> <i>Corequisite: DESIGN 200</i>
DESIGN 221 15 Points Professional Design Practice Examines personal career paths, design team and project operations and responsibilities in small studios through to large organisations, the role of professional networks, and resources for designers to present themselves and their work to future collaborators. <i>Prerequisite: DESIGN 100, 101</i> <i>Corequisite: DESIGN 200</i>	

DESIGN 233**15 Points****Design for the Natural Environment**

An overview of the ways that design can promote and actualise the regeneration of our natural environment through collaborative, systemic, and circular innovation. Students will learn fundamental theory, frameworks and methods to create positive impact using design strategy within the fields of environmental sustainability and conservation.

Prerequisite: DESIGN 100, 101

DESIGN 240**15 Points****Designing with Data**

Introduces students to the impact data representation has on public perception of global issues. Students will engage and experiment with computational methodologies to interpret, visualise and interact with data sources corresponding to a specific Sustainable Development Goal. Students will produce provocative data-driven visualisations that promote a call-to-action related to a foreseeable local or global crisis.

Prerequisite: DESIGN 100, 101

Corequisite: DESIGN 200

DESIGN 241**15 Points****Designing Mixed Realities**

Introduces an overview of new materials, products and processes connecting virtual and physical worlds. Students will explore these alternative realities as catalysts for positive impact. Students will experiment with technologies to design projects that augment human experiences in hybrid environments.

Prerequisite: DESIGN 100, 101

DESIGN 242**15 Points****Design and Autonomous Technology**

Introduces the major social, ethical, and technical trends driving the adoption of autonomous technologies and artificial intelligence. Students will explore the expanding role design can play within this field, through a purpose-led, human-centred perspective. Students will produce a prototypical device designed to have autonomous capabilities to affect human or ecological advancement.

Prerequisite: DESIGN 100, 101

Corequisite: DESIGN 200

DESIGN 243**15 Points****Design and Assistive Technologies**

Students will investigate design interventions that have successfully employed assistive strategies to improve or extend human movement, sensation or mental capacity for a range of individuals and communities. Students will experiment with a range of technologies, experiences and services to design an assistive or rehabilitative intervention that reduces inequalities amongst individuals.

Prerequisite: DESIGN 100, 101

Corequisite: DESIGN 200

Stage III**DESIGN 300****15 Points****Design Research Methodologies**

Introduction to a range of key design methodologies that inform contemporary design thinking, research and practice within Aotearoa New Zealand, with reference to Mana Moana philosophies of making and community. Drawing on methodological principles, students learn how to develop design strategies, apply design processes and test their design concepts. Consideration will be given to the phasing

and planning of design investigations from data analytics to design concepts to practical methods and proposed solutions.

Prerequisite: DESIGN 100, 101 and 90 points from DESIGN 200-243

DESIGN 303**15 Points****Design Research Practice**

Explores design research methods for conducting practical, material, and technological investigations to test prototype concepts. Provides a framework for investigations to inform the development of a design project proposal in preparation for DESIGN 304.

Prerequisite: DESIGN 200, 201

Corequisite: DESIGN 300

Restriction: DESIGN 302

DESIGN 304**45 Points****Advanced Design Methods Capstone**

Facilitates completion of a major design project in collaboration with local stakeholders. Provides frameworks for development of a design strategy in response to a real-world issue. Design research methodologies, methods and tools are applied to prototype solutions and document studio practice. Presentation and critique skills are honed through interaction with design professionals.

Prerequisite: DESIGN 300, 303

Restriction: DESIGN 301

Postgraduate 700 Level Courses**DESIGN 700****15 Points****Design Research Methodologies**

A study of how to adopt and adapt different methodologies for context analysis, concept development, design iteration, deployment and evaluation.

DESIGN 701**15 Points****Design Practices**

A survey of current contexts, resources and networks to be applied in advanced design practice.

DESIGN 702**30 Points****Design Technologies**

A studio-based study of process and production technologies for advanced design outcomes.

DESIGN 704**15 Points****Design Impacts**

A studio-based investigation that considers design as a catalyst for change and the models for measuring the impacts of design interventions.

Prerequisite: DESIGN 700-702

DESIGN 705**15 Points****Design Futures**

Applying speculative design methods to develop future scenarios and solutions for emerging societal and environmental challenges.

Prerequisite: DESIGN 700-702

DESIGN 706**30 Points****Design Innovation**

A studio-based study of enterprise practices for the stable deployment and viable adoption of design products and services.

Prerequisite: DESIGN 700-702

DESIGN 709**15 Points****Project Design**

The formulation and development of a design project, from

ideation to research design, in preparation for undertaking the DESIGN 710 Capstone Project.

Prerequisite: DESIGN 700-702

DESIGN 710	60 Points
DESIGN 710A	30 Points
DESIGN 710B	30 Points

Capstone Project - Level 9

An advanced, supervised design project that combines research, prototyping, tangible design work and in-depth stakeholder engagement toward investigation of a specific issue that would benefit from an advanced design response. Students will integrate appropriate research and design methods, synthesised findings and impact analysis at an in-depth level through a capstone report or case book.

Prerequisite: DESIGN 709

To complete this course students must enrol in DESIGN 710 A and B, or DESIGN 710

DESIGN 711	15 Points
Special Topic	

DESIGN 794A	30 Points
DESIGN 794B	60 Points

Thesis - Level 9

Prerequisite: DESIGN 700-702

To complete this course students must enrol in DESIGN 794 A and B

DESIGN 795A	30 Points
DESIGN 795B	60 Points

Research Portfolio - Level 9

Prerequisite: DESIGN 700-702

To complete this course students must enrol in DESIGN 795 A and B

Disaster Management

Postgraduate 700 Level Courses

DISMGT 701	15 Points
Disaster Risk Management - Level 9	

A broad based understanding of the critical elements of risk and risk management in pre- and post-disaster scenarios. Key elements include risk identification with regard to the forms and types of risk inherent in areas prone to disasters. Risk management approaches are explored and applied to different aspects of disaster management.

DISMGT 703	15 Points
Disaster Management and Resilience - Level 9	

Disaster management concepts and approaches related to urban resilience, including societal and infrastructure resilience. Key elements include exploring holistic approaches to disaster management and assessment of the relationship between resilience and disaster management. This includes systems and complexity, policy and general regulatory environment. This course involves group work and a course project.

DISMGT 704	45 Points
DISMGT 704A	15 Points
DISMGT 704B	30 Points

Research Project - Level 9

Supervised research project addressing a topic relevant to disaster management.

To complete this course students must enrol in DISMGT 704 A and B, or DISMGT 704

DISMGT 705	15 Points
Special Topic	

DISMGT 706	15 Points
Special Topic	

Electrical and Electronic Engineering

Stage I

ELECTENG 101	15 Points
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Electrical and Digital Systems

An introduction to electrical, computer and electronic systems and technology. Digital circuits and analysis techniques, computer organisation. Analog circuits and analysis techniques. Inductive power transfer, power systems and electric machines. Communication systems.

Restriction: ELECTENG 202, 204, 208, 210

Stage II

ELECTENG 202	15 Points
Circuits and Systems	

Aims to provide a good understanding of the way electrical circuits work. It covers DC and AC circuit theorems and analysis; transient analysis, including the Laplace transform; transfer functions; AC power calculations; and time and frequency representation of signals.

Prerequisite: ELECTENG 101

ELECTENG 204	15 Points
Engineering Electromagnetics	

Electrostatics (Coulomb's and Gauss's Laws, scalar potential, energy, capacitance, dielectrics), magnetostatics (Biot-Savart and Ampere's Laws, moving conductors, magnetic forces/torques, ferromagnetic hysteresis, inductance, magnetic materials), electromagnetic induction (Faraday's and Lenz's Laws). Transmission lines subjected to pulse excitation, magnetic circuits and single-phase transformers. Introduction to computational electromagnetics.

Prerequisite: ELECTENG 101

ELECTENG 208	15 Points
Electric Circuit Analysis	

Aims to provide a good understanding of the way electrical circuits work. The course covers DC and AC circuit theorems and analysis. It also introduces some semiconductor devices (diodes, transistors and operational amplifiers) and gives examples of their applications.

Prerequisite: ELECTENG 101

Restriction: ELECTENG 202 or 291

ELECTENG 209	15 Points
Analogue and Digital Design	

Project-based course introducing the process of electrical engineering design. Students will research a diverse range of practical problems and develop solutions and prototypes, test and evaluate hardware and software solutions, and communicate the design and results. Professional issues introduced in ENGGEN 204 (health and safety, sustainability, cultural diversity/awareness, communication, leadership, teamwork, financial awareness) and design for repair are reinforced and developed.

Prerequisite: COMPSYS 201 and ELECTENG 202, or COMPSYS 201 and ELECTENG 291, or PHYSICS 140 and 244

ELECTENG 210	15 Points
Electronics 1	

Semiconductor devices and applications, diodes, bipolar

junction transistors and operational amplifiers. Elementary device physics. Linear and non-linear devices, terminal characteristics, small-signal modelling and analysis. Frequency-dependent behaviour of circuits and analysis methods. Linear and non-linear circuits such as amplifiers and switching circuits. Biasing, coupling and bypass techniques. Operational amplifiers, frequency-dependence and characteristic limitations, frequency selective and non-linear switching circuits.

Prerequisite: ELECTENG 101

ELECTENG 291 15 Points

Fundamentals of Electrical Engineering

AC and DC circuit analysis in the context of linear electrical and electronic systems. Time and frequency domain approaches to describing and analysing electrical networks and systems.

Prerequisite: ELECTENG 101

Restriction: ELECTENG 202

ELECTENG 292 15 Points

Electronics

Electronic devices and circuits for solving engineering problems. Analysis of linear and non-linear microelectronic circuits and their practical applications.

Prerequisite: ELECTENG 202 or 291, or PHYSICS 121 and 244

Restriction: ELECTENG 210

ELECTENG 299 0 Points

Workshop Practice

Restriction: ENGEN 299

Stage III

ELECTENG 303 15 Points

Systems and Control

Introduction to linear, time-invariant, continuous-time system theory from both a time-domain and frequency domain standpoint. This leads on to the fundamental body of knowledge underlying the control and enhancement of system behaviour, with application to the analysis and control of electrical systems.

Prerequisite: ELECTENG 202

ELECTENG 305 15 Points

Applied Electronics

An advanced treatment of electronic circuits including a rigorous treatment of feedback, device limitations, noise effects, stability, and design considerations. Emphasis on common practical circuits taken from analog and switching applications.

Prerequisite: ELECTENG 202 or 291, and 210 or 292

ELECTENG 307 15 Points

Fields and Waves

Transmission lines subjected to AC excitation, the Smith chart, introduction to matching network design and introduction to antennas for radio systems. Maxwell's equations in differential and integral form, divergence and Stokes' theorems, skin effect and uniform plane waves (lossless/lossy media, reflection and transmission, polarisation). Case studies in computational electromagnetics.

Prerequisite: ELECTENG 204

ELECTENG 309 15 Points

Power Apparatus and Systems

Introduces students to three-phase electric machines and power system components. Covers theory, modelling and practical aspects for synchronous machines, induction

machines, transformer connections, transmission lines and substation components.

Prerequisite: ELECTENG 204

ELECTENG 310 15 Points

Electrical Engineering Design 1

An appreciation of the design process as applied to electrical and electronic engineering systems. Design skills are enhanced through engineering projects which typically involve modelling, simulation and analogue/digital electronic hardware design. Professional issues introduced in ENGEN 204, 303 and 403 (ethics, sustainability, cultural awareness, communication, leadership, teamwork, financial awareness, safety in design) and design for repair are reinforced and developed.

Prerequisite: COMPSYS 201, and COMPSYS 209 or ELECTENG 209, and ELECTENG 202 or 291, and COMPSYS 202 or SOFTENG 281

ELECTENG 311 15 Points

Electrical Engineering Design 2

The formal introduction to the design process is completed by one or more open-ended projects which typically include elements of design from concept to working prototype. Professional issues introduced in ENGEN 303 (health and safety, sustainability, cultural diversity/awareness, communication, leadership, teamwork, financial awareness) and design for repair are reinforced and developed.

Prerequisite: ELECTENG 310

ELECTENG 331 15 Points

Signals and Systems

Introduction to continuous-time and discrete-time signals and systems. Spectral analysis and representation of analog and digital signals, and linear, time-invariant systems. Conversion between analog and digital signals. Systems for manipulating and filtering signals in hardware and software.

Prerequisite: ELECTENG 202 or 291, or PHYSICS 140 and 244

Restriction: ELECTENG 303

ELECTENG 332 15 Points

Control Systems

Introduction to modelling in the time-domain and frequency domain. The fundamental body of knowledge underlying the control and enhancement of system behaviour, with application to the analysis and control of systems.

Prerequisite: ELECTENG 202 or 291

Restriction: ELECTENG 303

Postgraduate 700 Level Courses

ELECTENG 700A 15 Points

ELECTENG 700B 15 Points

Research Project - Level 9

Students are required to submit a report on project work carried out on a topic assigned by the Head of Department. The work shall be supervised by a member of staff.

Prerequisite: ELECTENG 310, 311, and 30 points from ELECTENG 303, 305, 309, 331, 332

Restriction: ELECTENG 401

To complete this course students must enrol in ELECTENG 700 A and B

ELECTENG 701 15 Points

Mobile Wireless Engineering

Aspects of the design and planning of mobile radio systems. Radio propagation for mobile radio systems (multipath, narrowband and wideband channels, channel characterisation and measurements), propagation

modelling (free-space, plane-earth, diffraction). Frequency reuse and interference, outage probabilities, system performance evaluation, space diversity, MIMO and millimetre-wave systems.

Prerequisite: ELECTENG 307 or 721 or 737

ELECTENG 703 15 Points

Advanced Power Systems - Level 9

Electricity markets: structure, pricing, optimisation, ancillary services; power system protection practices; distribution network development: smart grid, demand side participation; HVDC and FACT devices theory and application; renewable energy grid integration. Includes a substantial individual research project.

Prerequisite: ELECTENG 731

Restriction: ELECTENG 738

ELECTENG 704 15 Points

Advanced Control Systems - Level 9

Advanced theory of modern control systems with emphasis on optimisation techniques for both deterministic and stochastic processes. State-space modelling of dynamic systems and choice of suitable performance criteria. Adaptive, nonlinear and sliding mode control systems. Core concepts are extended by an individual research project in which a challenging control problem is analysed and solved.

Prerequisite: ELECTENG 722

ELECTENG 706 15 Points

Topics in Digital Signal Processing - Level 9

An advanced treatment of digital signal processing topics with an emphasis on state of the art techniques. Case studies of digital signal processing methods used to solve practical problems in science and engineering. Includes a substantial individual research project.

Prerequisite: ELECTENG 733

ELECTENG 711 15 Points

Studies in Electrical and Electronic Engineering 1

Advanced course on topics to be determined each year by the Head of Department.

ELECTENG 712 15 Points

Studies in Electrical and Electronic Engineering 2

Advanced course on topics to be determined each year by the Head of Department.

ELECTENG 713 15 Points

Studies in Electrical and Electronic Engineering 3

Advanced course on topics to be determined each year by the Head of Department.

ELECTENG 714 15 Points

Studies in Electrical and Electronic Engineering 4

Advanced course on topics to be determined each year by the Head of Department.

ELECTENG 715 15 Points

Studies in Electrical and Electronic Engineering 5

Advanced course on topics to be determined each year by the Head of Department.

ELECTENG 716 15 Points

Studies in Electrical and Electronic Engineering 6

Advanced course on topics to be determined each year by the Head of Department.

ELECTENG 721 15 Points

Radio Engineering

Matching networks, waveguides, transmitter/receiver design, noise, non-linear behaviour, antennas, applications

in computational electromagnetics. Fundamentals of radio propagation, tropospheric effects, diffraction, link budgets, point-to-point link design, multipath propagation, introduction to area coverage (mobile radio) systems. Introduction to radar systems, the radio spectrum and exposure standards.

Prerequisite: ELECTENG 307

Restriction: ELECTENG 421, 737

ELECTENG 722 15 Points

Modern Control Systems

State space analysis, relationship to transfer function methods, controllability and observability, multivariable plant. Computer simulation. Stability considerations. State variable feedback. Digital control system, design and realisation of digital controllers, adaptive controllers. Nonlinear systems, phase-plane and describing function techniques, Lyapunov's method of stability analysis, design of controllers for non-linear systems. Variable structure systems.

Prerequisite: ELECTENG 303 or 331 or 332

Restriction: ELECTENG 422, MECHENG 720, 724

ELECTENG 724 15 Points

Special Topic

An advanced course on topics to be determined each year by the Head of Department.

Prerequisite: Departmental approval

ELECTENG 726 15 Points

Digital Communications

Advanced principles and techniques in digital transmission systems: baseband and passband digital systems. Geometric representation of signals: theory of orthonormal signals, correlation demodulators, optimal detector. Digital phase (PSK) and frequency (FSK) modulation. Digital communication systems with noise. Information theory, capacity theorem and applications. Signal and information coding: data compression, digital transmission, error detection and correction, block and convolutional codes. Noise, thermal noise, noise figure. Traffic theory. Digital networks and OSI model.

Prerequisite: 15 points from ELECTENG 303, 331, 332

Restriction: ELECTENG 426, 741

ELECTENG 731 15 Points

Power Systems

Builds on the knowledge of three-phase power systems components to understand modelling, formulation and typical analysis carried out by electricity transmission, distribution and generation entities. Load flow, fault, stability and power quality. Supplemented by laboratories where students learn to use professional software to implement the theoretical aspects.

Prerequisite: ELECTENG 309

Restriction: ELECTENG 411

ELECTENG 732 15 Points

Communication Systems

Analog AM and FM modulation. Noise in AM and FM systems. AM modulators and demodulators. Coherent and non-coherent receivers. Superheterodyne receivers. Multiplexing: FDM, TDM, CDMA. Pulse modulation. Nyquist theorem; PCM modulation and multiplexing. Baseband digital transmission; optimal filtering; matched filter detection; probability of error. Intersymbol interference, waveform coding and data compression, base-band

data transmission. Introduction to digital systems and modulations.

Prerequisite: ELECTENG 303 or 331

Restriction: ELECTENG 412

ELECTENG 733 15 Points
Digital Signal Processing

Analysis and manipulation of discrete-time signals and systems. Spectral representations and analysis using the z-transform, discrete Fourier transform and fast Fourier transform. Introduction to stochastic processes. Hardware systems for processing digital signals.

Prerequisite: ELECTENG 303 or 331 or ENGSCI 311 or 313

Restriction: ELECTENG 413

ELECTENG 734 15 Points
Power Electronics - Level 9

Selected advanced concepts in power electronics are introduced through a practical and research based individual design project, utilising modern power converter topologies with supporting lectures that include: inductive power transfer and control, DC-DC converter design and control, high frequency magnetics design, semiconductor switches, practical design issues, controlled rectifiers and PWM converters with application to conventional and brushless DC motors.

Prerequisite: ELECTENG 305, 310, 311

Restriction: ELECTENG 414

ELECTENG 735 15 Points
Green Energy Technologies

Advanced green energy technologies with examples from current industry practice and cutting edge research developments. Topics include: renewable energy systems, distributed power generation, energy storage techniques, transportation electrification, power converters for renewable energy integration, soft-switched resonant converters, wireless power transfer, new semiconductor devices, motor drives, and LED lighting.

Prerequisite: ELECTENG 734

ELECTENG 736 15 Points
Analog and Digital Filter Synthesis

Filter concepts and network functions, a review of approximation techniques and frequency transformations, leading to a thorough treatment of passive, active and digital filter implementations.

Prerequisite: ELECTENG 303 or 331

Restriction: ELECTENG 416

ELECTENG 737 15 Points
Advanced Radio Engineering - Level 9

Advanced topics in radio system and high frequency electromagnetic design including: Matching networks, waveguides, transmitter/receiver design, noise, non-linear behaviour, antennas, applications in computational electromagnetics. Fundamentals of radio propagation, tropospheric effects, diffraction, link budgets, point-to-point link design, multipath propagation, introduction to area coverage (mobile radio) systems. Introduction to radar systems, the radio spectrum and exposure standards. Students will also undertake an individual research project involving high frequency systems design.

Prerequisite: ELECTENG 307

Restriction: ELECTENG 421, 721

ELECTENG 738 15 Points
Selected Topics in Advanced Power Systems - Level 9

Electricity markets: structure, pricing, optimisation, ancillary services; Power system protection practices;

Distribution Network Development: Smart Grids, Demand Side Participation, Integration of DG/renewable sources and Electric Vehicles. Core concepts are extended by an individual research project, a self-guided protection laboratory and industry engagement in advanced power system practices.

Prerequisite: ELECTENG 731

Restriction: ELECTENG 703

ELECTENG 739 15 Points
Special Topic - Level 9

An advanced course on a topic to be determined each year by the Head of Department. Includes a substantial individual research project.

Prerequisite: Departmental approval

ELECTENG 740 15 Points
Special Topic - Level 9

An advanced course on a topic to be determined each year by the Head of Department. Includes a substantial individual research project.

Prerequisite: Departmental approval

ELECTENG 741 15 Points
Advanced Digital Communications - Level 9

Advanced topics in modern digital communication systems and networks including: Advanced digital modulation theory and practice in single and multi-user communications systems; advanced information theory including single and multiple source coding; modern error control coding methods and applications; traffic theory and application in communication systems and networks. Theoretical knowledge is extended by an advanced laboratory programme and research projects.

Prerequisite: 15 points from ELECTENG 303, 331, 332

Restriction: ELECTENG 426, 726

ELECTENG 770 15 Points
Capstone Project

Final year team exercise with students in multi-disciplinary roles, with focus on electrical and electronic engineering, integrating technical learning into realistic design outcomes. Comprehensive investigation of an open-ended, complex, real or synthetic computer, electrical and software engineering problem with simulated professional design office constraints. Includes technical, economic and environmental impact components to complete a scheme assessment report.

Prerequisite: 75 points from Part III courses listed in the BE(Hons) Schedule for the Electrical and Electronic Engineering specialisation

ELECTENG 787 15 Points
Project X - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

ELECTENG 788 30 Points

ELECTENG 788A 15 Points

ELECTENG 788B 15 Points

Research Project - Level 9

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in ELECTENG 788 A and B, or ELECTENG 788

ELECTENG 789 30 Points
Project Z - Level 9
 Students are required to submit a report on a topic assigned by the appropriate Head of Department.
Prerequisite: Departmental approval

ELECTENG 795 45 Points
ELECTENG 795A 15 Points
ELECTENG 795B 30 Points
Research Project (Electrical and Electronic) - Level 9
 Students are required to submit a report on a topic relevant to the specialisation, as assigned by the appropriate Head of Department.
Prerequisite: Departmental approval
 To complete this course students must enrol in ELECTENG 795 A and B, or ELECTENG 795

ELECTENG 796A 60 Points
ELECTENG 796B 60 Points
ME Thesis (Electrical and Electronic) - Level 9
 Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.
Prerequisite: Departmental approval
 To complete this course students must enrol in ELECTENG 796 A and B

Energy

Postgraduate 700 Level Courses

ENERGY 721 15 Points
Energy Resources
 Past, present and likely future uses of various forms of energy focused on electricity generation. Energy resources. Energy economics, prices and markets. Environmental considerations in energy production and use. Climate change, carbon sequestration, carbon trading and carbon taxes.

ENERGY 722 15 Points
Energy Technology
 First and second laws of thermodynamics and thermodynamic cycles. Chemical and biological thermodynamics. Geotechnology for resource exploration and delineation. Engineering technology for production and use of oil and gas, coal, wind, geothermal, tidal, solar, nuclear, bio-fuels. Energy storage, batteries, fuel cells. Energy efficiency.

ENERGY 785A 15 Points
ENERGY 785B 30 Points
Research Project - Level 9
 Supervised research project addressing a topic relevant to the technical, economic, environmental, regulatory or business aspects of energy.
Prerequisite: Departmental approval
Restriction: ENERGY 786
 To complete this course students must enrol in ENERGY 785 A and B

ENERGY 786A 30 Points
ENERGY 786B 15 Points
Research Project - Level 9
 Supervised research project addressing a topic relevant

to the technical, economic, environmental, regulatory or business aspects of energy.
Prerequisite: Departmental approval
Restriction: ENERGY 785
 To complete this course students must enrol in ENERGY 786 A and B

ENERGY 794A 30 Points
ENERGY 794B 60 Points
Thesis - Level 9
Prerequisite: Departmental approval
 To complete this course students must enrol in ENERGY 794 A and B

ENERGY 795A 60 Points
ENERGY 795B 30 Points
Thesis - Level 9
Prerequisite: Departmental approval
 To complete this course students must enrol in ENERGY 795 A and B

Energy Technology

Diploma Courses

GEOTHERM 601 15 Points
Geothermal Resources and their Use
 Worldwide occurrence of geothermal systems, introductory geology, volcanoes and volcanic rocks, New Zealand geothermal systems, structure of the TVZ, hydrothermal alteration, permeability and porosity, introduction to geochemistry of geothermal systems, geothermal surface manifestations, water compositions, geothermometry, silica geochemistry, overview of geophysics for geothermal exploration, geothermal resource assessment.
Corequisite: GEOTHERM 602, and 603 or 620
Restriction: GEOTHERM 785

GEOTHERM 602 15 Points
Geothermal Energy Technology
 Worldwide geothermal development, types of geothermal systems, thermodynamics, properties of water and steam tables, heat transfer, fluid mechanics, steam-field equipment, geothermal power stations, geothermal drilling, wellbore processes, completion tests, downhole measurements, reinjection, corrosion, stored heat, Darcy's law, cold groundwater, geothermal reservoirs, direct use, reservoir modelling, reservoir monitoring and steam-field management.
Corequisite: GEOTHERM 601
Restriction: GEOTHERM 785

GEOTHERM 603 15 Points
Geothermal Exploration
 Hydrothermal alteration, clays, fluid inclusions, direct use, subsidence, scaling and corrosion in geothermal wells, production geochemistry, environmental aspects of geothermal development, feasibility study, physical properties of rocks and self-potential (SP), magnetics, thermal methods, gravity, seismic methods, electrical methods, magneto-tellurics (MT).
Corequisite: GEOTHERM 601, 602
Restriction: GEOTHERM 785

GEOTHERM 620 15 Points
Geothermal Engineering
 Completion tests, wellbore flow, two-phase flow, geothermal power cycles, flow measurements, direct use of geothermal energy, environmental effects, scaling and corrosion in geothermal wells, drilling engineering, flow

measurements, steam-field operation and maintenance, subsidence, waste heat rejection, heat exchangers, geothermal well-test analysis, stimulation, pipeline design, feasibility study, reservoir modelling theory, TOUGH2, reservoir modelling process, case study (data and conceptual model, natural state modelling), Wairakei model.

Corequisite: GEOTHERM 601, 602

Restriction: GEOTHERM 785

GEOTHERM 689 15 Points **Geothermal Project**

Based on a study using field, lab or theoretical methods, students are required to submit a report on some aspect of geothermal exploration, development or exploitation.

Postgraduate 700 Level Courses

GEOTHERM 785 15 Points **Geothermal and Reservoir Engineering**

Topics include: worldwide geothermal development, types of geothermal systems, geothermal geology, resource estimation, thermodynamics, properties of water and steam, steam-field equipment, geothermal power cycles, direct use of geothermal energy, completion tests, two-phase flow, flow measurements, geothermal reservoir engineering modelling theory, reinjection, scaling and corrosion, drilling engineering, heat exchangers, geothermal well-test analysis, stimulation, sedimentary geology, oil and gas formation, petroleum reservoir engineering.

Prerequisite: CHEMMAT 302 or 313 or ENGSCI 343 or MECHENG 311, and ENGSCI 311 or 313 or 314

Restriction: GEOTHERM 601, 602, 603, 620

Engineering General

Stage I

ENGGEN 102 15 Points **Basic Skills for Engineering**

An introduction to key concepts in areas such as mathematics and physics relevant to intending engineers. This course upskills students who wish to complete an engineering degree but have little prior knowledge of core areas such as differentiation, integration, and mechanical systems. Recommended preparation: Achievement standards 91261 Apply algebraic methods in solving problems and 91262 Apply calculus methods in solving problems, or equivalent.

Restriction: ENGSCI 111, 211, MATHS 102, 108, 110, 120, 130

ENGGEN 115 15 Points **Principles of Engineering Design**

An introduction to the principles of design as a fundamental part of engineering practice and a foundation for subsequent design courses. Students are also introduced to essential drawing skills and CAD, and complete group-based design projects. Topics include systems life cycle, design, and introductions to professional issues such as health and safety, ethics, sustainability, cultural diversity, communication, leadership, and teamwork.

ENGGEN 121 15 Points **Engineering Mechanics**

An introduction to planar mechanics including: free body diagrams, planar equilibrium of rigid bodies, friction, distributed forces, internal forces, shear force and bending moment diagrams, kinematics and kinetics of particles,

work and energy, relative motion, kinematics and kinetics of rigid bodies.

Restriction: CIVIL 210, MECHENG 222

ENGGEN 131 15 Points **Introduction to Engineering Computation and Software Development**

Introduction to problem solving in engineering through the use of the software package MATLAB, and the programming language C.

Restriction: ENGSCI 233, 331

ENGGEN 140 15 Points **Fundamentals of Engineering in Society**

An introduction to chemistry and biology as applied to solving fundamental engineering problems from first principles using conservation laws and with appropriate consideration for uncertainty. Problems will also be addressed from a social perspective, considering the environment, the Treaty of Waitangi, social license to operate, and the role of professional engineering skills in the community and society.

ENGGEN 199 0 Points **English Language Competency**

To complete this course students must attain a level of competency in the English language as determined by the Faculty of Engineering.

Stage II

ENGGEN 204 15 Points **Professional Skills, Communication, and Collaboration**

A system-wide view of the role of the professional engineer in society and business. The skills of advocacy, and individual and group-based communication are put into practice. Scenarios representative of real-world issues are addressed through team-based projects and problem solving. The professional issues introduced in ENGGEN 115 (health and safety, ethics, sustainability, cultural diversity, communication, leadership, and teamwork) are continued and developed.

Prerequisite: ENGGEN 115, 199

ENGGEN 299 0 Points **Workshop Practice**

Restriction: BIOMENG 299, CHEMMAT 299, CIVIL 299, COMPSYS 299, ELECTENG 299, ENGSCI 299, MECHENG 299, MECHTRON 299, SOFTENG 299, STRCTENG 299

Stage III

ENGGEN 303 15 Points **Innovation and Business Cases**

Introduction to theory and practice of managing projects, innovation, product development and service delivery. Students work in interdisciplinary teams to complete a project based on a complex real-world systems scenario. Project management and innovation topics are integrated with design studies covered in previous courses, and extended to wider business issues of risk and opportunities, entrepreneurship, financial management, and regulatory issues.

Prerequisite: ENGGEN 199, 204

ENGGEN 388 0 Points **Leadership in Engineering**

Prepares engineers for roles as future leaders. Enhances skills in seeing problems from non-engineering perspectives and dealing with situations without ideal solutions.

Develops skills from other disciplines and increases awareness of the broader context of how engineering supports society.

Prerequisite: Programme Director approval

Stage IV

ENGGEN 403 15 Points

Systems Thinking

An introduction to the commercial drivers and business practices which prepare students for successful roles in the commercial, government, and non-profit sectors after graduation. Students are presented with a systems thinking approach to managing large, complex, multidisciplinary challenges. Professional issues (such as health and safety, sustainability, resilience, ethics, leadership, and cultural diversity) from previous courses are expanded.

Prerequisite: BUSINESS 101 and 102, or BUSINESS 111 and 112, or DESIGN 220 or 221 or 222, or ECON 151 and GLOBAL 101, or COMMS 320 or ENGGEN 303 or LAW 241 or MUS 186 or 365 or PROPERTY 231 or SCIGEN 201 or 201G

ENGGEN 499 0 Points

Practical Work

Students are required to complete 800 hours of engineering practical work and complete formal written reports reflecting on their work experience. This enables students to gain workplace experience, practical knowledge, and hands-on engineering experience by working in an organisation.

Diploma Courses

ENGGEN 601 15 Points

Case Studies in Engineering 1

The case study may include aspects of design or analysis, a survey and/or evaluation of a problem in any branch of engineering. Students are required to submit a report.

ENGGEN 602 15 Points

Case Studies in Engineering 2

The case study may include aspects of design or analysis, a survey and/or evaluation of a problem in any branch of engineering. Students are required to submit a report.

ENGGEN 622 15 Points

Advanced Topics in Engineering 1

Courses on topics determined each year by the Associate Dean Postgraduate in the Faculty of Engineering.

ENGGEN 623 15 Points

Advanced Topics in Engineering 2

Courses on topics determined each year by the Associate Dean Postgraduate in the Faculty of Engineering.

ENGGEN 698 0 Points

Practical Work for Experienced Engineers

Students will demonstrate via formal records at least 800 hours of relevant practical work experience in Engineering completed in the last 5 years.

Prerequisite: At least 800 hours of practical work in responsible engineering employment

Restriction: ENGGEN 699

ENGGEN 699 0 Points

Practical Work

Students will complete 800 hours of relevant practical work experience in Engineering and reflect on the connections between their work and their study. The work experience can be undertaken at any time during the degree programme or via a combination of some prior

work experience and ongoing work experience gained concurrently with the degree.

Restriction: ENGGEN 698

Postgraduate 700 Level Courses

ENGGEN 701 15 Points

Professional Project

A comprehensive investigation, analysis and reporting of a complex engineering design, development or professional engineering problem.

Prerequisite: Departmental approval

Restriction: ENGGEN 401, 405, 410, 705

ENGGEN 705 15 Points

Engineering Product Development

Advanced topics in the engineering design and development of new manufactured products, taking an integrated approach including technical, commercial, and user aspects. Theory is linked to practice through multidisciplinary teams engaging in projects and case studies.

Prerequisite: B grade or higher in ENGGEN 303

Restriction: ENGGEN 401, 405, 410, 701, MGMT 305

ENGGEN 720 15 Points

Special Topic

ENGGEN 721 15 Points

Special Topic

Restriction: ENGGEN 769

ENGGEN 722 15 Points

Special Study in Engineering Management 1

Directed study of an engineering management topic approved by the Programme Coordinator.

Restriction: CIVIL 716

ENGGEN 723 15 Points

Special Study in Engineering Management 2

Directed study of an engineering management topic approved by the Programme Coordinator.

ENGGEN 724 15 Points

Special Study in Technology Management 1

Directed study of an engineering technology topic approved by the Programme Coordinator.

ENGGEN 725 15 Points

Special Study in Technology Management 2

Directed study of an engineering technology topic approved by the Programme Coordinator.

ENGGEN 726 15 Points

Climate Adaptation of Infrastructure

Impacts of climate change on infrastructure and adaptation strategies to respond to these changes. Impact assessments, vulnerability studies, and development of adaptation strategies and techniques for whole of life asset management. Decision-making, management and climate resilience of transport, potable water provision, stormwater and wastewater systems, buildings and other physical infrastructure systems.

ENGGEN 730 15 Points

Management Skills for Project Professionals

Core theories and their implications for the art and practice of project management in organisations.

ENGGEN 731 15 Points

Agile and Lean Project Management

The culture, structures, roles, tools and techniques required

for effective management of projects in uncertain, volatile and ambiguous environments where the project scope evolves or the timescale is the primary driver. Students will learn advanced techniques and apply them to reinforce their learning.

Restriction: ENGGEN 740

ENGGEN 732 15 Points

Systems Thinking and Project Business Case

The business case as the tool of choice for many businesses for turning strategy into projects and the subsequent investment appraisals. Topics include systems thinking, the theory of constraints, value, cost/benefit analysis, quadruple bottom line, sensitivity analysis, risk analysis, investment appraisal, performance measurement and benefit realisation.

ENGGEN 733 15 Points

Strategy, Portfolios, Programmes and Projects

The practical application of strategic management principles to enable the successful delivery of portfolios, programmes and projects in demand and supply side organisations in the public and private sectors. Examination of international examples from different industry sectors illustrates how theoretical concepts and practical applications can relate to the success or failure of portfolios of resources, programmes of work, and individual projects, sometimes in conditions of uncertainty and ambiguity.

Restriction: ENGGEN 741

ENGGEN 734 15 Points

Engineering Contracts for Project Managers

Theoretical concepts in engineering commercial contracts, how those concepts apply to the work environment and manifest in the contracts in use in the project environment. Students will study relevant case law, NZS3910, NEC3 and FIDIC.

Restriction: CIVIL 790

ENGGEN 735 15 Points

Project Management Case Studies

Examination of examples from industry to show how theoretical concepts relate to the success or failure of projects. Students will study a range of projects from across the world that highlight critical success factors.

Restriction: ENGGEN 741

ENGGEN 736 15 Points

Research Implementation and Dissemination - Level 9

Critical reflections on undertaking a research project focussing on elements of project implementation and dissemination of research findings and outcomes. Leverage the benefits of the research project by focussing on the communicating the findings of the project to appropriate audiences and maximising the impact of the project for key stakeholders. Critically evaluate own performance in undertaking a project and adoption of a philosophy of continuous improvement during implementation stage of a project. Identification of lessons learned in order to inform future research.

Corequisite: ENGGEN 792 or 794 (ENGGEN 736 must be taken in the same semester as ENGGEN 792 or 792B or 794 or 794B)

ENGGEN 737 15 Points

Engineering Risk Management - Level 9

The theory and practice of risk management, providing a comprehensive approach to identify, analyse, and treat risks inherent in engineering projects. Critical analysis and synthesis of risk management frameworks to deliver outcomes in scenarios of uncertainty and to communicate

plans at a professional level. An independent project is undertaken in which students apply risk management theories to engineering projects.

Restriction: CIVIL 716

ENGGEN 738 15 Points

Work Based Learning - Level 9

Studies in professional and interpersonal skills within the context of engineering and project management practice. Develops ability to critically self-assess competencies. Fosters and enhances competencies in preparation towards membership of a professional body via application of theory and exploration of work practices. Students prepare a portfolio of independent work demonstrating competencies required of a Chartered professional at an advanced level.

Restriction: CIVIL 708

Note: Students must be in professional employment or have completed at least three years' professional employment within engineering.

ENGGEN 739 15 Points

Cost Engineering - Level 9

Advanced topics in cost engineering such as engineering economics, cost planning, cost estimating, cost control, cost analysis and lifecycle costing. These topics are extended by independent and group applied projects in which students solve complex engineering management problems. The core taught skills are complemented by independent research to solve cost engineering problems or critically analyse alternative cost engineering approaches.

Restriction: CIVIL 709

ENGGEN 740 30 Points

Project Management Bodies of Knowledge

A comprehensive and critical review of existing and emerging project management bodies of knowledge including Waterfall, Agile, Lean and Extreme Project Management approaches. Comparison of a range of project management frameworks and methodologies for management of risk, including the applied application of a range of tools, techniques and knowledge to open-ended project scenarios.

Restriction: CIVIL 703, ENGGEN 731, 742

ENGGEN 741 30 Points

Project, Programme and Portfolio Management

Critical elements of project delivery including leadership, organisation, owner profile and participation, project objectives, investment decisions and change management. Project, Programme and Portfolio Management frameworks and their practical application to organisations in managing strategy implementation. Examples from industry show how theoretical concepts relate to the success or failure of projects, programmes and portfolios under conditions of uncertainty and ambiguity.

Restriction: ENGGEN 733, 735

ENGGEN 742 15 Points

Project Management

Planning, organisation and control of projects in ordered environments. Application of project management principles, concepts, disciplines, tools, techniques and processes to the typical project lifecycle. Studies in the knowledge areas/domains defined by the Project Management Institute (PMI). Development of a range of skills, tools and techniques to become an effective project manager.

Restriction: CIVIL 703, ENGGEN 740

ENGGEN 743 15 Points**Applied Creative Thinking**

Application of inventive problem solving and creative thinking to formulate novel engineering solutions. Theories, tools and techniques to assist with generating innovative ideas. Techniques for improving the creativity of teams. Develops skills in the facilitation of workshops to help teams solve complex problems. Practical application of the concepts are synthesised to solve case study industry problems, and students' individual scenarios.

Restriction: ENGGEN 722

ENGGEN 766 45 Points**ENGGEN 766A 15 Points****ENGGEN 766B 30 Points****Research Project in Engineering Management - Level 9**

A major project which should relate to a practical situation in an organisation or company selected by the candidate. The project must be approved by the Master of Engineering Management Programme Director, and may take the form of a survey and evaluation of modern advances in engineering management practices, the development and/or implementation of new management strategies, or a management oriented industrial case study.

Restriction: ENGGEN 763, 764, 765

To complete this course students must enrol in ENGGEN 766 A and B, or ENGGEN 766

ENGGEN 769 15 Points**Research Methods for Engineers**

Development of research methods knowledge and skills including research philosophy and design, research ethics, data collection and analysis techniques, identification of limitations, and writing up and reporting. Qualitative and quantitative research methods are addressed.

Restriction: CHEMMAT 751, CIVIL 705, COMPSYS 700, ELECTENG 700, ENGGEN 721, ENGSCI 700, MECHENG 700, SOFTENG 700

ENGGEN 770 15 Points**Medical Device and Technology Development - Level 9**

Clinical and technical aspects of medical device development. Identification and definition of a medical device, examples and case studies. Evidence based technology, justification and motivation for developing medical devices. Techniques and issues concerning medical device research and design processes. Includes individual research related to medical device and technology development.

ENGGEN 771 15 Points**Medical Device Industry Practice - Level 9**

Commercial lifecycle considerations in medical device design. Clinical evaluation of systems; safety and ethics issues. Medical and regulatory requirements and international standards for medical devices; quality assurance and controlled design. Examples drawn from surgical assistance and medical intervention systems, training systems, prosthetics, orthotics, exoskeleton devices, and healthcare robotics.

ENGGEN 784 30 Points**ENGGEN 784A 15 Points****ENGGEN 784B 15 Points****Capstone Project - Level 9**

An extensive team-based project within a virtual or real-world organisation, where students will apply highly specialised theories, frameworks, and tools to analyse complex problems and develop practical solutions to industry standards. Students will formulate plans, reports,

and deliver presentations that convey their findings and facilitate critical reflective analysis of their learning experiences throughout the project.

To complete this course students must enrol in ENGGEN 784 A and B, or ENGGEN 784

ENGGEN 785 30 Points**ENGGEN 785A 15 Points****ENGGEN 785B 15 Points****Professional Capstone - Level 9**

An advanced course comprising an integrating project with students working independently and inter-dependently in teams to research, investigate and apply engineering knowledge to develop solutions. A comprehensive investigation of an open-ended, complex, real or synthetic engineering problem within a simulated professional office. Completion of a comprehensive report and presentation covering technical, economic, environmental, health and safety and management components.

Prerequisite: 60 points from 700 level courses in the BE(Hons) and MProfEng Schedules

To complete this course students must enrol in ENGGEN 785 A and B, or ENGGEN 785

ENGGEN 790 45 Points**ENGGEN 790A 15 Points****ENGGEN 790B 30 Points****Research Project - Level 9**

To complete this course students must enrol in ENGGEN 790 A and B, or ENGGEN 790

ENGGEN 791A 30 Points**ENGGEN 791B 30 Points****Dissertation in Medical Devices - Level 9**

A structured supervised research project addressing a topic relevant to the development and commercialisation of medical devices and technologies.

Prerequisite: Departmental approval

To complete this course students must enrol in ENGGEN 791 A and B

ENGGEN 792 30 Points**ENGGEN 792A 15 Points****ENGGEN 792B 15 Points****Research Project - Level 9**

A research project which requires students to undertake a practical application in a temporary endeavour to deliver a product, service or specified outcome. May take the form of surveys, interviews, action research, project implementation and evaluation of modern advances in project management practices, or a project management oriented case study. Projects conducted by students working in pairs. Each student must prepare a separate individual report.

To complete this course students must enrol in ENGGEN 792 A and B, or ENGGEN 792

ENGGEN 794 30 Points**ENGGEN 794A 15 Points****ENGGEN 794B 15 Points****Research Project - Level 9**

A research project which requires a student to undertake a practical application in a temporary endeavour to deliver a product, service or specified outcome. May take the form of action research, project implementation and evaluation of modern advances in project management practices, or a project management oriented case study. Project will

be conducted by students working individually within an existing project orientated team.

Prerequisite: Departmental approval

To complete this course students must enrol in ENGGEN 794 A and B, or ENGGEN 794

ENGGEN 796A 60 Points

ENGGEN 796B 60 Points

ME Thesis (Engineering) - Level 9

Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in ENGGEN 796 A and B

Engineering Science

Stage I

ENGSCI 111 15 Points

Mathematical Modelling 1

Introduction to mathematical modelling. Differentiation and integration (polynomials, trigonometric, exponential, logarithmic, and rational functions). Integration by parts, substitution and partial fractions. Differential equations and their solutions (including Euler's method). Vector and matrix algebra, transformations, solving systems of linear equations. Modelling using probability.

Restriction: ENGSCI 211, 213, 311, 313, 314

Stage II

ENGSCI 205 15 Points

Engineering-Centric Machine Learning

Introduction to machine learning algorithms with a focus on their applicability to engineering problems. Implementation of machine learning pipelines using high-level software libraries. Project-based application of the data science process to engineering problems. Data- and signals-based model development and calibration. Interpretable machine learning. Evaluation of machine learning models for engineering-centric applications. Physics-informed machine learning.

ENGSCI 211 15 Points

Mathematical Modelling 2

First and second order ordinary differential equations and solutions. Laplace transforms. Taylor series and series in general. Multivariable and vector calculus including divergence, gradient and curl. Further linear algebra. Eigenvalues and eigenvectors. Fourier series. Application of the techniques through appropriate modelling examples. Introductory data analysis and statistics.

Prerequisite: ENGGEN 150, or ENGSCI 111, or a B+ grade or higher in MATHS 108 or 110, or a B+ grade or higher in MATHS 120 and 130

Restriction: ENGSCI 213

ENGSCI 233 15 Points

Computational Techniques and Computer Systems

Introduction to computer architecture and computational techniques. Data representation, memory, hardware, interfacing, and limitations. Numerical computation and algorithms, coding design and paradigms.

Prerequisite: ELECTENG 101 and ENGGEN 131, and ENGGEN 150 or ENGSCI 111

Corequisite: ENGSCI 211 or 213

ENGSCI 255 15 Points

Modelling and Analytics in Operations Research

Emphasises the relationship between business and industrial applications and their associated operations research models. Software packages will be used to solve practical problems. Topics such as: linear programming, transportation and assignment models, network algorithms, queues, inventory models, simulation, analytics and visualisation will be considered.

Prerequisite: 15 points at Stage I in Engineering General or Engineering Science

Restriction: STATS 255

ENGSCI 263 15 Points

Engineering Science Design I

Introduction to concepts of model design for engineering problems, including model formulation, solution procedures, validation, and shortcomings, with examples from topics in computational mechanics, operations research and data science. Further development of problem-solving skills, group project work, and group communication skills. The use of computational models to support design-focused decision making while considering ethical, societal, cultural, and environmental factors.

Prerequisite: ENGGEN 115 and ENGSCI 233

Corequisite: ENGSCI 211 or 213

ENGSCI 270 15 Points

Special Topic

ENGSCI 299 0 Points

Workshop Practice

Restriction: ENGGEN 299

Stage III

ENGSCI 309 15 Points

Image and Digital Signal Processing

Fundamentals of image processing and digital signal processing. One dimensional signals and digital filters. Digital filtering with FIR and IIR filters and the Digital Fourier Transform (DFT). Two-dimensional signals, systems and analysis methods. 2D images, spatial sampling, grey-scale quantification, point operations, spatial operations, high pass filtering, sharpening images, noisy images, nonlinear image processing.

Prerequisite: ENGSCI 211 or 213

ENGSCI 311 15 Points

Mathematical Modelling 3

A selection from: ordinary differential equations, systems of equations, analytical and numerical methods, non-linear ODEs, partial differential equations, separation of variables, numerical methods for solving PDEs, models for optimisation, industrial statistics, data analysis, regression, experimental design reliability methods.

Prerequisite: ENGSCI 211

Restriction: ENGSCI 313, 314

ENGSCI 313 15 Points

Mathematical Modelling 3ECE

Complex Analysis, including complex numbers, analytic functions, complex integration, Cauchy's theorem, Laurent series, residue theory; Laplace transforms; Modelling with partial differential equations, including electronic and electrical applications; Fourier Analysis, Fourier transform, Fast Fourier transform; Optimisation,

including unconstrained and constrained models, linear programming and nonlinear optimisation.

Prerequisite: ENGSCI 271

Restriction: ENGSCI 311, 314

ENGSCI 314 15 Points

Mathematical Modelling 3ES

Mathematical modelling using ordinary and partial differential equations, calculus of variations and statistical methods. Topics include: eigenvalues, eigenvectors, systems of equations, stability, separation of variables, wave and heat equations, Euler-Lagrange equation, Hamilton's Principle, probability, random variables, common distributions, Poisson process, exploratory data analysis, confidence intervals, hypotheses tests, linear models including one-way and two-way ANOVA, ANCOVA and multiple regression, introduction to logistic regression.

Prerequisite: ENGSCI 271

Restriction: ENGSCI 311, 313, 321

ENGSCI 331 15 Points

Computational Techniques 2

Methods for computing numerical solutions of mathematical models and data analytics problems with focus on translating algorithms to computer code. A selection of topics from numerical solution of linear and non-linear equations, eigen problems, ordinary and partial differential equations, databases, inverse problems and parameter estimation.

Prerequisite: ENGSCI 233

Corequisite: ENGSCI 311 or 313 or 314

ENGSCI 343 15 Points

Mathematical and Computational Modelling in Mechanics

Development of macroscopic models of physical systems using fundamental mathematical techniques and physical laws. Topics include vector and tensor calculus including indicial notation and integral theorems, conservation laws, control volumes and constitutive equations, continuum assumptions, isotropy and homogeneity. Possible applications include deformation, strain and stress, fluid flow, electromagnetism, reactive chemical transport, and kinetics.

Prerequisite: BIOMENG 221 or MECHENG 242, and ENGSCI 271 or 213

Restriction: BIOMENG 321

ENGSCI 344 15 Points

Computational Design for Physical Systems

Integrate sustainability and environmental considerations into computational engineering. This will develop skills in: analysing complexity and selecting an appropriate model representation of the physical problem; choosing the correct computational tool with which to solve the model; designing and executing appropriate numerical experiments using the chosen tool; validating, interpreting and communicating the simulation results. Enhance skills in sustainable decision-making and addressing environmental challenges.

Prerequisite: BIOMENG 321 or ENGSCI 343

Restriction: ENGSCI 746

ENGSCI 355 15 Points

Simulation Modelling for Process Design

Use of simulation models to design complex processes including consideration of cultural, environmental, societal and ethical factors as appropriate. Focus on

practical problem solving, translational methods and the development of real-world modelling skills.

Prerequisite: ENGSCI 255 or STATS 255

Restriction: OPSRES 385

ENGSCI 370 15 Points

Special Topic

ENGSCI 391 15 Points

Optimisation in Operations Research

Linear programming, the revised simplex method and its computational aspects, duality and the dual simplex method, sensitivity and post-optimal analysis. Network optimisation models and maximum flow algorithms. Transportation, assignment and transshipment models, and the network simplex method. Introduction to integer programming.

Prerequisite: 15 points from ENGGEN 150, ENGSCI 111, 211, MATHS 108, 208, 250, 253, and 15 points from COMPSCI 101, ENGGEN 131, MATHS 162, STATS 220

Restriction: ENGSCI 765

Postgraduate 700 Level Courses

ENGSCI 700A 15 Points

ENGSCI 700B 15 Points

Research Project - Level 9

An investigation carried out under the supervision of a member of staff on a topic assigned by the Head of Department of Engineering Science. A written report on the work must be submitted.

Prerequisite: 60 points from non-elective courses listed in Part III of the BE(Hons) Schedule for either Engineering Science or Biomedical Engineering

To complete this course students must enrol in ENGSCI 700 A and B

ENGSCI 701 15 Points

Studies in Engineering Science

An advanced course on topics to be determined each year by the Head of Department of Engineering Science.

Prerequisite: Departmental approval

ENGSCI 705 15 Points

Special Topic

ENGSCI 706 15 Points

Special Topic

ENGSCI 711 15 Points

Advanced Mathematical Modelling

A selection of modules on mathematical modelling methods in engineering, including theory of partial differential equations, integral transforms, methods of characteristics, similarity solutions, asymptotic expressions, theory of waves, special functions, non-linear ordinary differential equations, calculus of variations, tensor analysis, complex variables, wavelet theory and other modules offered from year to year.

Prerequisite: 15 points from ENGSCI 311, 313, 314

ENGSCI 712 15 Points

Computational Algorithms for Signal Processing

Advanced topics in mathematical modelling and computational techniques, including topics on singular value decomposition, Principle Component Analysis and Independent Component Analysis, eigen-problems, and signal processing (topics on neural network models such as the multi-layer perception and self organising map).

Prerequisite: 15 points from ENGSCI 311, 313, 314

ENGSCI 713 15 Points**Mathematical Modelling for Professional Engineers**

Mathematical modelling techniques required by professional engineers, such as partial and ordinary differential equations, differentiation and integration, vector calculus, linear algebra, analytical and numerical methods, industrial statistics, and data analysis.

Prerequisite: ENGSCI 211 or 213

Restriction: ENGSCI 311, 313, 314

ENGSCI 721 15 Points**Data-centric Engineering for Physical Systems**

Mathematical modelling of complex physical systems, including model development, parameterisation and evaluation, illustrated using examples from current research and industry. Inverse problems and uncertainty quantification for physical models in engineering and science, including principles of uncertainty propagation for linear and nonlinear physical models given real-world data, and connections to physics-informed machine learning.

Prerequisite: 15 points from COMPSCI 101, ENGGEN 131, MATHS 162, 199; and either 15 points from ENGSCI 311, 313, 314, or MATHS 260 and either STATS 210 or 225

ENGSCI 740 15 Points**Computational Engineering for Physical Systems**

Principles and practice for modelling complex physical systems. Applications in biomechanics, fluid mechanics and solid mechanics. Including topics such as large deformation elasticity theory applied to soft tissues, inviscid flow theory, compressible flows, viscous flows, meteorology, oceanography, coastal ocean modelling, mixing in rivers, fracture, composite materials and geomechanics. Underlying theories, computational techniques and industry applications explored using commercial software.

Prerequisite: BIOMENG 321 or ENGSCI 343

ENGSCI 742 15 Points**Studies in Continuum Mechanics**

An advanced course in continuum mechanics covering topics in the mechanics of solids and fluids and other continua.

Prerequisite: Departmental approval

ENGSCI 746 15 Points**Advanced Modelling and Simulation in Computational Mechanics**

Solution of real-world continuum mechanics problems using computational tools commonly used in engineering practice. Develops skills in analysing complexity; selecting a model representation of the physical problem; choosing the correct computational tool to solve the model; designing and executing appropriate numerical experiments; validating, interpreting and communicating simulation results. Advanced solver methods, and modelling of advanced materials such as large-deformation elastic/plastic materials.

Prerequisite: BIOMENG 321 or ENGSCI 343

Restriction: ENGSCI 344

ENGSCI 755 15 Points**Decision Making in Engineering**

Introduction to techniques for decision making in engineering systems including decision heuristics, simple prioritisation, outranking approaches, analytic hierarchy process, application to group decision making.

Prerequisite: ENGSCI 211 or MATHS 250

ENGSCI 760 15 Points**Algorithms for Optimisation**

Meta-heuristics and local search techniques such as Genetic Algorithms, Simulated Annealing, Tabu Search and Ant Colony Optimisation for practical optimisation. Introduction to optimisation under uncertainty, including discrete event simulation, decision analysis, Markov chains and Markov decision processes and dynamic programming.

Prerequisite: 15 points from COMPSCI 101, ENGGEN 131, MATHS 162, 199, and 15 points from COMPSCI 120, ENGSCI 111, STATS 125

ENGSCI 761 15 Points**Integer and Multi-objective Optimisation**

Computational methods for solving optimisation problems. Algorithms for integer programming including branching, bounding, cutting and pricing strategies. Algorithms for linear and integer programmes with multiple objective functions.

Prerequisite: ENGSCI 391 or 765

ENGSCI 763 15 Points**Advanced Simulation and Stochastic Optimisation**

Advanced simulation topics with an emphasis on optimisation under uncertainty. Uniform and non-uniform random variate generation, input distribution selection, output analysis, variance reduction. Simulation-based optimisation and stochastic programming. Two-stage and multi-stage programs with recourse. Modelling risk. Decomposition algorithms. Scenario construction and solution validation.

Prerequisite: ENGSCI 391 or 765

ENGSCI 765 15 Points**Advanced Optimisation in Operations Research**

Linear programming, the revised simplex method and its computational aspects, duality and the dual simplex method, sensitivity and post-optimal analysis. Network optimisation models and maximum flow algorithms. Transportation, assignment and transshipment models, and the network simplex method. Integer programming. The implementation and solution of optimisation models for practical applications.

Prerequisite: 15 points from ENGGEN 150, ENGSCI 111, MATHS 208, 250, 253, and 15 points from COMPSCI 101, ENGGEN 131, MATHS 162, STATS 220

Restriction: ENGSCI 391

ENGSCI 768 15 Points**Advanced Operations Research and Analytics**

Advanced Operations Research and Analytics topics including selected theory, algorithms and applications for non-linear programming, smooth and non-smooth optimisation, equilibrium programming and game theory.

Prerequisite: ENGSCI 391 or 765

ENGSCI 773 15 Points**Capstone Project**

Group based projects involving the application and integration of knowledge in computational engineering, data analytics and operations research for design, prototyping and performance testing of a new product. Topics include social and Te Tiriti considerations, engineering design practice, optimisation methods in robust design, material selection and structural analysis, risk management, communication skills, prototype manufacturing and design validation.

Prerequisite: 60 points from non-elective courses listed in Part III of the BE(Hons) Schedule for Engineering Science, including at least 15 points from ENGSCI 344, 355

Restriction: ENGSCI 363

ENGSCI 787 15 Points
Project X - Level 9
 Students are required to submit a report on a topic assigned by the appropriate Head of Department.
Prerequisite: Departmental approval

ENGSCI 788 30 Points
ENGSCI 788A 15 Points
ENGSCI 788B 15 Points

Research Project - Level 9
 Students are required to submit a report on a topic assigned by the appropriate Head of Department.
Prerequisite: Departmental approval
 To complete this course students must enrol in ENGSCI 788 A and B, or ENGSCI 788

ENGSCI 789 30 Points
Project Z - Level 9
 Students are required to submit a report on a topic assigned by the appropriate Head of Department.
Prerequisite: Departmental approval

ENGSCI 793A 45 Points
ENGSCI 793B 45 Points
Thesis (Operations Research and Analytics) - Level 9
Prerequisite: Departmental approval
 To complete this course students must enrol in ENGSCI 793 A and B

ENGSCI 794A 30 Points
ENGSCI 794B 60 Points
Thesis (Operations Research and Analytics) - Level 9
Prerequisite: Departmental approval
 To complete this course students must enrol in ENGSCI 794 A and B

ENGSCI 795 45 Points
ENGSCI 795A 15 Points
ENGSCI 795B 30 Points
Research Project - Level 9
Prerequisite: Departmental approval
 To complete this course students must enrol in ENGSCI 795 A and B, or ENGSCI 795

ENGSCI 796A 60 Points
ENGSCI 796B 60 Points
Thesis - Level 9
Prerequisite: Departmental approval
 To complete this course students must enrol in ENGSCI 796 A and B

Environmental Engineering

Stage II

ENVENG 200 15 Points
Fundamentals of Environmental Engineering
 Introduction to environmental engineering principles. Role of environmental engineers in the twenty-first century. Environmental measurements, environmental standards and impact assessment. Material mass balance. Drinking water, wastewater and stormwater treatment. Air quality parameters. Solid waste management. Sustainability. Environmental Impact Assessment.
Prerequisite: ENGGEN 140
Restriction: ENVENG 244

ENVENG 244 15 Points
Environmental Engineering 1
 Water quality, water and wastewater characteristics

– physical, chemical and biological treatments (unit operations and processes). Solid waste characteristics and disposal, hazardous waste treatment. Stormwater management.
Restriction: ENVENG 243

Stage III

ENVENG 300 15 Points
Natural and Built Environment Processes
 Chemical and biological treatment processes. Surface water quality modelling. Soil chemistry. Contaminant fate and transport in soil and groundwater. Contaminated sites remediation. Environmental responsibilities and sustainability considerations.
Prerequisite: ENVENG 200
Restriction: ENVENG 341

ENVENG 331 15 Points
Three Waters: Quality and Treatment
 Drinking-water treatment, stormwater and agricultural runoffs, biological wastewater treatment, small-scale water treatment systems, nutrient removal, micropollutants, emerging contaminants, water quality standards.

ENVENG 333 10 Points
Engineering Hydrology
 Hydrologic processes, analysis of rainfall-runoff relationships. Statistical analysis of hydrological data. Groundwater movement.

ENVENG 341 15 Points
Environmental Engineering 2
 Examines natural environmental processes and their relevance to engineering. Soil and water chemistry, equilibrium and organic chemistry, microbiology, biochemistry and biological processes will be examined, focusing on the application of these in engineering design, practice and management.

ENVENG 342 15 Points
Environmental Engineering Design
 The applications of design practice in environmental engineering with a number of design projects. Elements of water and wastewater engineering. Landfill design and air pollution control.
Restriction: ENVENG 405

Stage IV

ENVENG 400 15 Points
Special Topic

Postgraduate 700 Level Courses

ENVENG 701 15 Points
Urban Stormwater Management - Level 9
 Design and application of stormwater runoff quantity and quality control systems for urban development including: bioretention, living roofs, swales, permeable/porous pavement, detention ponds, and constructed wetlands. An independent project couples technical design, safety, maintenance, construction, hydrologic and water quality modelling, and stakeholder engagement in an application of "Low Impact Design" from the site to the catchment scale.
Prerequisite: either CIVIL 302 and ENVENG 200, or ENVENG 244 and 333

ENVENG 702 15 Points**Engineering Decision Making in Aotearoa - Level 9**

Advanced systems engineering based decision making; complex problem framing including ontology analysis; cultural opportunity mapping; absolute sustainability analysis; risk threshold determination; temporal cumulative effects; and effective consultation. Independent research is undertaken to solve a complex engineering decision making problem.

ENVENG 705 15 Points
Special Topic

A course on a topic in environmental engineering to be determined each year by the Head of Department of Civil and Environmental Engineering. The course will include the independent application of highly specialised knowledge and skills related to the study area.

Restriction: ENVENG 402

ENVENG 706 15 Points
Special Topic

A course on a topic in environmental engineering to be determined each year by the Head of Department.

Restriction: ENVENG 403

ENVENG 707 15 Points**Advanced Water Treatment and Reuse - Level 9**

Advanced water, wastewater, greywater, stormwater treatment technologies including advanced oxidation processes, photochemistry, electrochemistry, membrane treatment, and fundamentals of water reuse, applications, and case studies for potable reuse, industrial reuse, and aquifer recharge. Includes an individual research project.

Prerequisite: either ENVENG 300 and 331, or ENVENG 244 and 342

ENVENG 708 15 Points**Environmental Engineering for Sustainable Futures**

Addresses emerging engineering solutions to challenges facing humankind including climate change, sustainability and resilience of our society, and persistent waste and pollution in the environment. Includes applications of systems modelling through a holistic thinking lens, sustainability innovations, risk assessment and impact in various technologies and processes, climate change adaptation and mitigation.

ENVENG 740 15 Points**Water and Wastewater Engineering**

Chemistry and microbiology of water and wastewater treatment, flow models and reactors. Unit operations and process analysis and design. Treatment plant design and operation. Nutrient removal processes. Effluent and residues disposal.

ENVENG 744 15 Points**Environmental Engineering Processes Laboratory**

Laboratory research methods (safety, sampling procedures, sample preservation, data analysis and report writing). Laboratory experiments exploring various physical, chemical and biological processes, such as sedimentation, chemical coagulation and precipitation, chlorination, reactor residence time distribution, activated carbon and anaerobic digestion.

ENVENG 746 15 Points**Surface Water Quality Modelling - Level 9**

Advanced specialist topics in modelling of lakes and rivers. Specific topics covered include response to different loadings applied to surface water systems, and modelling

of organic matter, dissolved oxygen consumption, eutrophication, and toxic substances. The core taught skills are extended by an individual project in which independent research is undertaken to solve a challenging surface water quality engineering problem.

Prerequisite: either ENVENG 300, or ENVENG 341 and 342

ENVENG 747 15 Points**Environmental Fate of Chemicals and Mitigation - Level 9**

Focuses on modelling sorption, degradation kinetics, and leaching of chemicals in the soil environment. Topics include deriving sorption parameters, parent and metabolite fitting with statistical rigours, calculating degradation end-points, novel adsorbents for removing contaminants in soil and water. The core taught skills are extended by an individual project in which independent research is undertaken to solve an environmental issue.

Prerequisite: ENVENG 300 or 341

ENVENG 752 15 Points**Sustainability and Life Cycle Assessment**

Assessment and applications of sustainability principles in the design of products and/or infrastructures, including the use of sustainability tools. Provides an overview of life cycle assessment (LCA) based on ISO 14040 and ISO 14044 standards. Introduces LCA software to assist in analysing the data, interpreting the results and writing LCA reports.

ENVENG 760 15 Points**Water-Sensitive Cities**

Presents a range of water-sensitive and sustainable engineering solutions for the management of water, and explores their viability and effectiveness in the New Zealand context, both under current and future climate scenarios. Explores how population growth, climate change and economics put pressure on urban water systems, and the need for urban water systems design to be resilient to such pressures.

ENVENG 787 15 Points**Project X - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

ENVENG 788A 15 Points**ENVENG 788B 15 Points****Project Y - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in ENVENG 788 A and B

ENVENG 789 30 Points**Project Z - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

ENVENG 795 45 Points**ENVENG 795A 15 Points****ENVENG 795B 30 Points****Research Project (Environmental) - Level 9**

Students are required to submit a report on a topic relevant to the specialisation, as assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in ENVENG 795 A and B, or ENVENG 795

ENVENG 796A 60 Points
ENVENG 796B 60 Points
ME Thesis (Environmental) - Level 9
 Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.
Prerequisite: Departmental approval
To complete this course students must enrol in ENVENG 796 A and B

Heritage Conservation

Postgraduate 700 Level Courses

HERCONS 700 15 Points
Heritage Processes
 Examines heritage conservation legislation, policy, guidelines and processes. Includes international context as well as New Zealand laws and processes.
Restriction: ARCHGEN 750

HERCONS 701 15 Points
Heritage Assessment and Conservation Planning - Level 9
 Examines the assessment of cultural heritage value and the use and preparation of conservation plans to guide heritage conservation work. Coursework comprises the researching and writing of a conservation plan.
Restriction: ARCHGEN 751

HERCONS 702 15 Points
Conservation of Materials
 Examines the theory and practice of conserving materials commonly found in heritage buildings and artefacts, including stone, brick, timber, concrete and steel.
Restriction: ARCHGEN 752

HERCONS 703 15 Points
Diagnosis and Adaptation
 Examines the investigation of existing building fabric, diagnosis of issues impacting upon the state of repair or the level of comfort, and the adaptation of heritage buildings, including strengthening, energy upgrading, reuse and the design of additions and alterations.
Restriction: ARCHGEN 753

HERCONS 790 30 Points
Research Project - Level 9
 A research project in the field of heritage conservation which may include an internship. Placements and topics to be approved by the Head of School of Architecture and Planning.
Prerequisite: ARCHGEN 750, 751, or HERCONS 700, 701
Restriction: ARCHGEN 754

Mechanical Engineering

Stage II

MECHENG 201 15 Points
Introduction to Mechatronics
 Introduces mechatronics to mechanical and mechatronics engineers. Covers sensors and actuators, analogue and digital circuit elements for signal processing and programming.
Prerequisite: ELECTENG 101, ENGGEN 131

MECHENG 211 15 Points
Thermofluids
 The fundamentals of fluid mechanics, thermodynamics and

heat transfer with practical applications to engineering devices and systems.

MECHENG 222 15 Points
Dynamics
 Kinematics of particles, rectilinear and curvilinear motion, kinematics of rigid bodies in the plane. Kinetics of particles, systems of particles and rigid bodies. Impulse and momentum, mechanism motion in the plane. Vibration of a particle.
Prerequisite: ENGGEN 121 or 150

MECHENG 235 15 Points
Design and Manufacture 1
 The engineering design process as a teamwork and problem-solving activity involving analysis, synthesis, evaluation and critical thinking. Design methodology and communicating design intent through written and graphical means. Introduction to selected motive power sources, machine elements for mechanical power systems, and production and fabrication processes.
Prerequisite: ENGGEN 115

MECHENG 236 15 Points
Design and Manufacture 2
 Applying the engineering design process to mechanical parts and assemblies, with consideration of risk management and manufacturing impacts. Design for common production processes and fabrication methods. Design of machine elements including hydraulic and pneumatic systems and components. Documenting and communicating detailed design process and outputs.
Prerequisite: ENGGEN 115

MECHENG 242 15 Points
Mechanics of Materials 1
 Principles of elastic material behaviour in the design of load carrying elements. Statically determinate stress systems; stress-strain relations. Bending of beams: stress-moment and moment-curvature relations; beam deflections; buckling of struts. Shear in joints, couplings, beams and circular shafts. General analysis of plane stress. Introduction to failure criteria by yield and fracture.
Prerequisite: ENGGEN 121 or 150

MECHENG 270 15 Points
Software Design
 Fundamentals of software design and high-level programming making use of case studies and programming projects. Includes: requirements analysis, specification methods, software architecture, software development environments, software quality, modularity, maintenance, reusability and reliability; models of software development.
Prerequisite: ENGGEN 131
Restriction: COMPSYS 202, SOFTENG 281

MECHENG 299 0 Points
Workshop Practice
Restriction: ENGGEN 299

Stage III

MECHENG 306 15 Points
Design of Sensing and Actuating Systems
 A range of projects on mechatronic elements and systems, involving sensors, actuators and microcontrollers, as well as their interfacing. The design of mechatronic sub-systems, including interfacing, signal conditioning and processing,

sensors, actuators, control technologies, software, systems modelling, simulation, analysis and design.

Prerequisite: MECHENG 235 and 270

Restriction: MECHENG 312

MECHENG 311 15 Points
Thermal Engineering

Second Law of Thermodynamics, entropy. Cycles and applications. Heat transfer, heat exchangers.

Prerequisite: MECHENG 211

MECHENG 313 15 Points
Design of Real-Time Software

Introduces the principles of software design in a real-time environment. Main topics include computer/microcontroller architecture, programming in a real-time environment, software design and data acquisition systems.

Prerequisite: MECHENG 270

MECHENG 322 15 Points
Control Systems

An introduction to classical control of mechanical and mechatronic systems. Topics include: transfer functions, block diagrams, time response characteristics, stability, frequency response characteristics, and controller design (e.g., pole placement, lead-lag compensation, PID). Applications in MATLAB/Simulink and with physical systems.

Prerequisite: ENGSCI 211, MECHENG 222

MECHENG 325 15 Points
Dynamics of Fluids and Structures

3D rigid body dynamics - inertia tensor, Euler's equations, gyroscopic motion. Vibration of single and two degree of freedom systems. Applications to vibration engineering. Introductory acoustics and New Zealand sound insulation standards. Mass, linear momentum, angular momentum and energy equations. Application to internal and external flows, boundary layers, pumps, turbines and lifting bodies. Experimental and numerical methods, dimensional analysis, similarity, and flow measurement.

Prerequisite: MECHENG 211, 222

MECHENG 334 15 Points
Design and Manufacture 3

Good practice and standard methods in mechanical engineering design. Conceptual and detailed design in projects involving machine elements, engineering sciences and engineering mechanics. Some of the advanced computer-aided tools (e.g., CAD, CAM, CAE) will be introduced and utilised in some projects.

Prerequisite: MECHENG 235, 236, 242

MECHENG 340 15 Points
Mechanics of Materials 2

Complex material behaviour and structural analysis, extending capability from two to three dimensions. States of stress and strain at a point in a general three-dimensional stress system. Generalised stress-strain relations for linearly elastic isotropic materials. Failure theories for ductile and brittle materials, elementary plasticity, and fatigue. Analytical techniques and numerical analysis of complex mechanical elements.

Prerequisite: MECHENG 242

MECHENG 352 15 Points
Manufacturing Systems

An introduction to the procedures and technological aspects of a typical manufacturing system; basic concepts and practice of plant and work design, automation, CAD/CAM, planning and simulation; selected

IoT technologies; and project-based introduction to the tools and techniques applied by professional engineers in a modern manufacturing setting.

MECHENG 370 15 Points
Electronics and Signal Processing

An introduction to the design, analysis and implementation of electronic circuits or systems for various applications such as signal generation and processing, interfacing, and high power electronics.

Prerequisite: ELECTENG 101

MECHENG 371 15 Points
Digital Circuit Design

Fundamental concepts in the design of combinational and sequential logic circuits. Modern approach to design using CAD tools that exploit the advantage of automation. Students will be exposed to the use of FPGA to rapid prototype digital systems using schematic and hardware description language entries.

Prerequisite: ELECTENG 101

Postgraduate 700 Level Courses

MECHENG 700A 15 Points

MECHENG 700B 15 Points

Research Project - Level 9

Supervised research on a topic in engineering culminating in an independent written project report that includes a literature review, a description of the research and its findings, and a statement of research contribution. Further supporting technical material will be provided as a compendium.

Prerequisite: 75 points from Part III courses in the BE(Hons) Schedule

Restriction: MECHENG 407, 408, 461, 462, 762, 763

To complete this course students must enrol in MECHENG 700 A and B

MECHENG 701 15 Points
Directed Study

Supervised research on a topic or topics approved by the Academic Head or nominee.

MECHENG 705 15 Points
Mechatronics Systems

Fundamentals of digital control and signal processing as applied to mechatronics systems. Modelling and analysis of mechatronics systems that includes transducers and applications. Issues related to mechatronics systems such as thermal management, signal detection, filtering and integrity, etc.

Prerequisite: MECHENG 322, 370

MECHENG 706 15 Points
Mechatronics Design Projects

A range of projects that demonstrate the application and integration of engineering knowledge to create practical intelligent devices, machines and systems. AI based control techniques will be introduced.

Prerequisite: MECHENG 306, 313, 370

MECHENG 707 15 Points
Special Topic

MECHENG 708 15 Points
Special Topic

MECHENG 709 15 Points
Industrial Automation

Automation technologies widely used in manufacturing and

processing industries. Topics include industrial robotics; programmable logic controllers (PLCs); pneumatics; machine vision systems; automated assembly; design for automation; and Industry 4.0 (such as machine-to-machine communications and data analysis). Students will participate in a number of hands-on labs throughout the course.

Restriction: MECHENG 710, 753, 754

MECHENG 710 15 Points

Advanced Industrial Automation - Level 9

Automation technologies widely used in manufacturing and processing industries. Topics include: industrial robotics; programmable logic controllers (PLCs); pneumatics; machine vision systems; automated assembly; design for automation; and Industry 4.0 (such as machine-to-machine communications and data analysis). Students will participate in a number of hands-on labs, including an individual research project related to the application of advanced automation techniques.

Restriction: MECHENG 709, 753, 754

MECHENG 711 15 Points

Advanced Computational Fluid Dynamics - Level 9

Application of computational methods to fluid dynamics and heat transfer. Finite volume and finite difference methods. Convergence and stability. Mesh generation and post-processing. Application of commercial computer programs to industrial problems. An individual project in which the student will be required to apply a commercial CFD code to a research problem of the student's choice.

Restriction: MECHENG 718

MECHENG 712 15 Points

Aerohydrodynamics

The study of fluid mechanics relevant to external flows, e.g., wind turbines, yachts, aircraft or wind loadings on buildings, boundary layers, computational fluid dynamics.

Prerequisite: MECHENG 325

MECHENG 713 15 Points

Energy Technology

Industrial thermodynamics and energy conversion/efficiency, power cycles, availability and irreversibility, simple combustion analysis, mass transfer, energy studies, boiling and condensation.

Prerequisite: MECHENG 311

MECHENG 714 15 Points

Wind Engineering - Level 9

Advanced specialist topics in wind engineering such as: the wind-loading chain - planetary boundary-layer flow, extreme winds, wind structure, wind loads, dynamic response, bluff body aerodynamics, vortex shedding, aero-elasticity, wind-tunnel testing, pedestrian level winds, wind energy. The core taught skills are extended by an individual project in which independent research is undertaken to solve a challenging wind engineering problem.

Prerequisite: MECHENG 712

MECHENG 715 15 Points

Building Services

Principles and practice of heating, ventilation, air-conditioning and refrigeration (HVAC&R), psychrometry, heating/cooling loads, mass transfer and air quality, refrigeration/heat pump systems, cooling towers, pumps, fans, valves, pipes and ducts.

Prerequisite: MECHENG 325

MECHENG 718 15 Points

Computational Fluid Dynamics

Application of computational methods to fluid dynamics and heat transfer. Finite volume and finite difference methods. Convergence and stability. Mesh generation and post-processing. Application of commercial computer programs to industrial problems.

Restriction: MECHENG 711

MECHENG 719 15 Points

Advanced Engineering Vibrations - Level 9

Selected topics in advanced vibration engineering: multiple degree of freedom and continuous systems, spectral analysis, analytical, approximate and numerical methods, including FEA, vibration instrumentation, measurement and testing, modal analysis, vibration treatment. Includes an individual project in which independent research is undertaken to solve a challenging advanced vibration problem.

Prerequisite: MECHENG 325

Restriction: MECHENG 722

MECHENG 720 15 Points

Advanced Multivariable Control Systems - Level 9

Advanced control of mechanical and mechatronic systems. Topics include: state-space representations, linearisation, discretisation, stability, state feedback control design, optimal control, state estimation and Kalman filters. Applications in MATLAB/Simulink and with physical systems. Includes an individual research project related to the design of advanced control systems encountered in practice.

Prerequisite: MECHENG 322

Restriction: ELECTENG 722, MECHENG 724

MECHENG 722 15 Points

Engineering Vibrations

Selected topics in vibration engineering: Multiple degree of freedom and continuous systems; Spectral analysis; analytical, approximate and numerical methods, including FEA; vibration instrumentation, measurement and testing; modal analysis; vibration treatment.

Prerequisite: CIVIL 314 or ELECTENG 303 or MECHENG 325 or equivalent

Restriction: MECHENG 719

MECHENG 724 15 Points

Multivariable Control Systems

Advanced control of mechanical and mechatronic systems. Topics include: state-space representations, linearisation, discretisation, stability, state feedback control design, optimal control, state estimation and Kalman filters. Applications in MATLAB/Simulink and with physical systems.

Prerequisite: MECHENG 322

Restriction: ELECTENG 722, MECHENG 720

MECHENG 726 15 Points

Acoustics for Engineers

The wave equation and solutions. Noise sources. Sound reflection and propagation. The ear and hearing system. Psychology of hearing. Measurement of sound fields and acoustic properties of rooms. Legal and standards requirements. Sound fields in enclosures. Sound transmission. Materials as absorbers and reflectors. Electro-acoustics. Digital signal processing for audio and acoustics.

Prerequisite: ELECTENG 331 or MECHENG 325

MECHENG 728 15 Points**Advanced MEMS and Microsystems - Level 9**

Working principles and fabrication of MEMS/microsystems such as microsensors, microactuators, microfluidics, etc. Exposure to engineering design principles including engineering mechanics, fluidics, materials, etc., at microscale. Includes an individual research project related to the design and fabrication of a device for an advanced application.

Prerequisite: MECHENG 325

Restriction: MECHENG 735

MECHENG 730 15 Points**Advanced Biomechatronic Systems - Level 9**

Advanced mechatronic principles and techniques for measuring and manipulating biological systems. Human biomechanics and motion control, advanced serial and parallel robots, compliant soft robots, software and functional safety, human robot interaction and force control, novel sensors and actuators, and biomechatronic design principles. Includes an individual research project related to the analysis, selection and successful implementation of one of these advanced technologies.

Restriction: MECHENG 736

MECHENG 731 15 Points**Mechanical Design Projects**

Team design projects requiring the ideation, development, prototyping and communication of design solutions. The projects will involve application of project management tools and techniques alongside selection and appropriate application of suitable engineering methods, while accounting for a range of design issues such as suitability, quality, safety and regard for the environment, with consideration to stakeholder values in the New Zealand context.

Prerequisite: MECHENG 334

MECHENG 735 15 Points**MEMS and Microsystems**

Introduction to working principles and fabrication of MEMS/microsystems such as microsensors, microactuators, microfluidics, etc. Exposure to engineering design principles including engineering mechanics, fluidics, materials, etc. at microscale. Exposure to microfabrication processes as part of a laboratory component.

Prerequisite: MECHENG 325

Restriction: MECHENG 728

MECHENG 736 15 Points**Biomechatronic Systems**

Mechatronic principles and techniques for measuring, assisting, augmenting and mimicking biological systems. Topics include: brain machine interfaces, sensors and actuators, biomechanics and motion control, wearable and assistive devices, bioinstrumentation, soft robotic technologies, human factors, safety/ethical aspects, and biomechatronic design principles. Significant hands-on experience through the design, modelling and development of paradigmatic biomechatronic systems.

Restriction: MECHENG 730

MECHENG 742 15 Points**Advanced Materials Manufacturing - Level 9**

Properties and processing of polymers and polymer composites. Analysis of selected manufacturing processes such as injection moulding, extrusion and liquid composites moulding. Viscous flow, flow through porous media and heat transfer. Includes an individual research project

related to recent developments in advanced composites in terms of processability/manufacturability, functionality and performance/potential.

MECHENG 743 15 Points**Composite Materials**

Applications and manufacturing of composite materials. Mechanics of composite lamina/laminate. Failure prediction, design and finite element analysis of composite laminates and structures. Analysis and design of sandwich structures.

Prerequisite: MECHENG 340

MECHENG 747 15 Points**Manufacturing and Industrial Processes**

Analysis and design of manufacturing processes, with a focus on techniques to manipulate metals and polymers. Application of solid mechanics, fluid mechanics and heat transfer to current additive, subtractive, forming and injection/casting manufacturing technologies. Topics include: bulk and sheet forming, extrusion, injection moulding, 2D and 3D printing processes.

Prerequisite: MECHENG 340

MECHENG 751 15 Points**Advanced CAD/CAM/CNC - Level 9**

Advanced computer-aided design (CAD), computer-aided manufacturing (CAM) and computer numerical control (CNC). Intelligent CAD, feature-based design and manufacturing, CAD data interoperability, advanced CAM methodologies, smart CNC systems, and integration of the above technologies. Includes an independent research project to demonstrate mastery of the philosophy, analysis, selection and successful implementation of manufacturing technologies.

Prerequisite: MECHENG 352 or 752

MECHENG 752 15 Points**Technology Management**

An appreciation of the strategic systems and technology management aspects of manufacturing systems. Industry based projects that explore the design and optimisation of manufacturing operations form a major part of the course.

Prerequisite: B grade or higher in ENGGEN 303

MECHENG 753 15 Points**Advanced Industry 4.0 Smart Manufacturing - Level 9**

New or emerging technologies and their applications in manufacturing enterprises, including Industry 4.0, product modelling technologies, smart manufacturing systems, industrial IoT (Internet of Things) sensing and data analysis technologies, digital twins, and applications of RFID (Radio Frequency Identification) and interoperability standards such as OPC UA in a modern manufacturing setting. Students will work on research projects individually and independently on a topic related to Industry 4.0.

Prerequisite: MECHENG 352 or 752

Restriction: MECHENG 709, 710, 754

MECHENG 754 15 Points**Industry 4.0 Smart Manufacturing**

New information technologies and their applications in manufacturing enterprises, including introduction to Industry 4.0, product modelling technologies, smart manufacturing systems, industrial IoT sensing and data analysis technologies, digital twins and applications of RFID in a modern manufacturing setting.

Restriction: MECHENG 709, 710, 753

MECHENG 755 15 Points**Design for Additive Manufacturing**

Design for additive manufacturing (AM), metal AM, polymer AM, AM technologies, material extrusion, powder bed fusion, vat photopolymerisation, material jetting, binder jetting, AM thought process, economics of AM, support generation, residual stress reduction, post-processing, computational design, light-weighting, topology optimisation, lattice structures, mass-customisation, tooling, conformal cooling, heat exchangers, part consolidation, specialised AM software: nTopology Magics, Inspire, CAD for AM.

Prerequisite: MECHENG 235

MECHENG 787 15 Points**Project X - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

MECHENG 788 30 Points**MECHENG 788A** 15 Points**MECHENG 788B** 15 Points**Research Project - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in MECHENG 788 A and B, or MECHENG 788

MECHENG 789 30 Points**Project Z - Level 9**

Students are required to submit a report on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

MECHENG 795 45 Points**MECHENG 795A** 15 Points**MECHENG 795B** 30 Points**Research Project (Mechanical) - Level 9**

Students are required to submit a report on a topic relevant to the specialisation, as assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in MECHENG 795 A and B, or MECHENG 795

MECHENG 796A 60 Points**MECHENG 796B** 60 Points**ME Thesis (Mechanical) - Level 9**

Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.

Prerequisite: Departmental approval

To complete this course students must enrol in MECHENG 796 A and B

Mechatronics Engineering

Stage II**MECHTRON 299** 0 Points**Workshop Practice**

Restriction: ENGGEN 299

Postgraduate 700 Level Courses**MECHTRON 796A** 60 Points**MECHTRON 796B** 60 Points**ME Thesis (Mechatronics) - Level 9**

Students are required to submit a thesis on a topic assigned by the appropriate Head of Department.

To complete this course students must enrol in MECHTRON 796 A and B

Polymer Engineering

Postgraduate 700 Level Courses**POLYMER 700** 15 Points**Polymer Materials Engineering**

Microstructure and morphology of semi-crystalline and amorphous polymers, including alloys and thermoplastic elastomers. The study of structure/property/processing inter-relationships for polymer materials.

Restriction: CHEMMAT 740

POLYMER 704 15 Points**Advanced Polymer Processing**

In-depth coverage of advanced polymer processing techniques. Study of additives, degradation processes and the prevention of degradation, formulation of products (thermosets and speciality polymers) and mixing of materials. Advanced moulding techniques, reaction injection moulding and processing biopolymers and speciality polymers as well as liquid moulding.

Restriction: CHEMMAT 741, 743

POLYMER 705 15 Points**Polymer Process and Product Design**

Material properties and selection for polymers. Drying and heat transfer. Polymer part and mould design, moulding simulation software. Fabrication and lifecycle considerations. Specialised polymers, processes and products.

Restriction: CHEMMAT 742

POLYMER 706 15 Points**Polymer Testing and Characterisation**

Focuses on applying characterisation techniques to polymer materials, especially spectroscopic, thermal and rheological analysis and mechanical testing to understand the behaviour of polymer materials for design, processing and use.

Restriction: CHEMMAT 740, 743

Software Engineering

Stage II**SOFTENG 206** 15 Points**Software Engineering Design 1**

Project work. Skills and tools in systematic development of software, including testing, version control, build systems, working with others. Professional issues introduced in ENGGEN 204 (ethics, communication, and teamwork) are reinforced and developed while simulating a client-facing software development process.

Prerequisite: SOFTENG 251 or 281

SOFTENG 211 15 Points**Software Engineering Theory**

Sets. Formal languages, operations on languages. Deterministic and nondeterministic automata, designing

automata, determinisation. Regular expressions. Logic. Induction. Recursion. Program correctness. Computability. Counting. Elements of graph algorithms.

Prerequisite: ENGGEN 131 or COMPSCI 101

SOFTENG 250 15 Points

Introduction to Data Structures and Algorithms

Introduction to the analytical and empirical behaviour of basic algorithms and data structures.

Prerequisite: ENGGEN 131 or COMPSCI 101

Corequisite: ENGSCI 211

SOFTENG 251 15 Points

Object Oriented Software Construction

An introduction to Object Oriented software development. Programming with classes; objects and polymorphism. Evolutionary and test-driven development. Analysis and design. Modelling with UML. Design patterns. Design for reuse, for testing, and for ease of change.

Prerequisite: ENGGEN 131 or COMPSCI 101

SOFTENG 254 15 Points

Quality Assurance

Software verification and validation. Static and dynamic QA activities as part of the software lifecycle. Unit, integration, system, and usability testing. Use of visual notations, automation, and tools to support development activities. Metrics to quantify strength of testing and complexity of programs.

Prerequisite: SOFTENG 250, 251

SOFTENG 281 15 Points

Object-Oriented Programming

Computer programming using objects as the mechanism for modularity, abstraction, and code reuse. Review of control structures for conditionals and iteration. Instance variables, methods, and encapsulation. Interfaces, inheritance, polymorphism, and abstract classes. Exception handling. Introduction to basic data structures and basic algorithms including sorting and searching.

Prerequisite: COMPSCI 101 or ENGGEN 131

Restriction: COMPSCI 230, COMPSYS 202, MECHENG 270, SOFTENG 251

SOFTENG 282 15 Points

Software Engineering Theory

Theoretical foundations of software engineering, including sets, formal languages, operations on languages, deterministic and nondeterministic automata, designing automata, determinisation, regular expressions, logic, induction, recursion, program correctness, computability, counting, elements of graph algorithms.

Prerequisite: COMPSCI 101 or ENGGEN 131

Restriction: COMPSCI 225, SOFTENG 211

SOFTENG 283 15 Points

Software Quality Assurance

Software verification and validation. Static and dynamic quality assurance activities as part of the software lifecycle. Unit, integration, system, and usability testing. Metrics to quantify strength of testing and complexity of programs. Techniques for engineering of software systems including requirements, specification, validation, verification. Modelling paradigms including information, behaviour, domain, function and constraint models. Specification languages.

Prerequisite: COMPSYS 202 or SOFTENG 251 or 281

Restriction: SOFTENG 254

SOFTENG 284 15 Points

Data Structures and Algorithms

Data structures including linked-lists, stacks, queues, trees, hash tables; graph representations and algorithms, including minimum spanning trees, traversals, shortest paths; introduction to algorithmic design strategies; correctness and performance analysis.

Prerequisite: COMPSYS 202 or SOFTENG 251 or 281

Restriction: COMPSCI 220, 717, SOFTENG 250

SOFTENG 299 0 Points

Workshop Practice

Restriction: ENGGEN 299

Stage III

SOFTENG 306 15 Points

Software Engineering Design 2

Working in project teams to develop software to meet changing requirements for a large application. Project planning. Requirements gathering. Estimating, costing and tracking. Acceptance and unit testing. Evolutionary design and development. Collaborative development tools. Professional issues introduced in ENGGEN 204 and 303 (communication, leadership, teamwork, safety in design) are reinforced and developed.

Prerequisite: SOFTENG 206, and SOFTENG 254 or 283

SOFTENG 310 15 Points

Software Evolution and Maintenance

Design and maintenance of multi-version software, debugging techniques, design and documentation for software re-use, programme migration and transformation, refactoring, tools for software evolution and maintenance.

Prerequisite: SOFTENG 254 or 283

SOFTENG 325 15 Points

Software Architecture

Taxonomy of software architecture patterns, including client/server and multi-tier. Understanding quality attributes. Methodologies for design of software architectures. Technologies for architecture level development, including middleware.

Prerequisite: COMPSYS 302 or SOFTENG 254 or 283

Restriction: COMPSCI 331

SOFTENG 350 15 Points

Human Computer Interaction

Human behaviour and humans' expectations of computers. Computer interfaces and the interaction between humans and computers. The significance of the user interface, interface design and user centred design process in software development. Interface usability evaluation methodologies and practice. Includes an evaluation project, group design project, and implementation using current techniques and tools.

Prerequisite: SOFTENG 206 or 283

Restriction: COMPSCI 345, 370

SOFTENG 351 15 Points

Fundamentals of Database Systems

Relational model, Relational algebra, Relational calculus, SQL, SQL and programming languages, Entity-Relationship model, Normalisation, Query processing, Query optimisation, Distributed databases, Transaction management, Concurrency control, Database recovery.

Prerequisite: SOFTENG 251 or 281

Restriction: COMPSCI 351

SOFTENG 364 15 Points
Networks and Security
 Physical networks, TCP/IP protocols, switching methods, network layering and components, network services. Information security, computer and network security threats, defence mechanisms and encryption.
Prerequisite: COMPSYS 201, and SOFTENG 251 or 281

SOFTENG 370 15 Points
Operating Systems
 History of operating systems. Multi-user systems. Scheduling. Concurrent processes, threads and synchronisation. Memory allocation and virtual memory. Managing files, disks and other peripherals. Security, protection and archiving. Engineering distributed systems; location, migration and replication transparency. Real-time programming and embedded systems.
Prerequisite: COMPSYS 201, and SOFTENG 251 or 281
Restriction: COMPSCI 340

Postgraduate 700 Level Courses

SOFTENG 700A 15 Points
SOFTENG 700B 15 Points
Research Project - Level 9
 Students are required to submit a report on project work carried out on a Software Engineering topic assigned by the Head of Department.
Prerequisite: SOFTENG 306
To complete this course students must enrol in SOFTENG 700 A and B

SOFTENG 701 15 Points
Advanced Software Engineering Development Methods - Level 9
 Advanced studies in methods and techniques for developing complex software systems including topics in software engineering environments, advanced software design, tool construction and software architectures. The core taught skills are extended by individual projects in which independent research is undertaken to address challenging software system problems.
Prerequisite: COMPSYS 302 or SOFTENG 306

SOFTENG 710 15 Points
Studies in Software Engineering 1
 Advanced courses on topics to be determined each year by the Head of Department.
Prerequisite: Departmental approval

SOFTENG 711 15 Points
Studies in Software Engineering 2
 Advanced courses on topics to be determined each year by the Head of Department.
Prerequisite: Departmental approval

SOFTENG 715 15 Points
Special Topic

SOFTENG 751 15 Points
High Performance Computing - Level 9
 Advanced parallel and high performance computing concepts and techniques such as parallel system architecture; parallelisation concepts, algorithms and methodology; parallel programming paradigms and technologies. Core concepts and skills are deepened by a hands-on research project in which a challenging parallel computing problem is analysed and solved.
Prerequisite: COMPSYS 302 or SOFTENG 306

SOFTENG 752 15 Points
Formal Specification and Design - Level 9
 Formal specification, design, and (automatic) analysis of software systems. Quality assurance through precise description and rigorous verification on the design. Introduction to the Z, OCL and CSP notations. Comparison of approaches, with emphasis on their practical application. Includes a substantial individual research project.
Prerequisite: COMPSYS 302 or SOFTENG 306

SOFTENG 753 15 Points
Machine Learning Techniques and Applications
 Examines classic and state of the art algorithms in the field of machine learning. Topics may include: Bayesian classification, regression and state estimation; clustering and mixture models; kernel-based methods; sequential models; graphical models; neural networks and deep architectures.
Prerequisite: COMPSYS 302 or 306 or SOFTENG 306

SOFTENG 754 15 Points
Advanced Software Requirements Engineering - Level 9
 Advanced software engineering concepts focusing on techniques for requirements analysis and requirements engineering (RE) of software systems. Topics will include: requirements elicitation, analysis, specification, validation, verification, user experience design, test-driven development and continuous integration. Includes a substantial individual research project.
Prerequisite: COMPSYS 302 or SOFTENG 306

SOFTENG 755 15 Points
Special Topic

SOFTENG 761 15 Points
Advanced Agile and Lean Software Development - Level 9
 Advanced software engineering concepts focussing on Agile and Lean software development; including hands-on iterative and incremental software development, self-organising teamwork, project management, and an individual research component to explore challenging issues in this discipline.
Prerequisite: COMPSYS 302 or SOFTENG 306

SOFTENG 762 15 Points
Robotics Process Automation
 Covers the fundamentals of Robotic Process Automation (RPA) systems. Students explore what RPA is and where it is useful, how RPA fits into current information technology setups, extracting and manipulating data from both external and internal sources, generating reports and statistics, and orchestrating multi-robot installations.
Prerequisite: COMPSYS 302 or SOFTENG 306
Restriction: INFOSYS 300

SOFTENG 770 15 Points
Capstone Project
 Final year team exercise with students in multi-disciplinary roles, with focus on software engineering, integrating technical learning into realistic design outcomes. Comprehensive investigation of an open ended, complex, real or synthetic computer, electrical and software engineering problem with simulated professional design office constraints. Includes technical, economic and environmental impact components to complete a scheme assessment report.
Prerequisite: 75 points from Part III courses listed in the BE(Hons) Schedule for the Software Engineering specialisation

SOFTENG 787	15 Points
Project X - Level 9	
Students are required to submit a report on a topic assigned by the Head of Department.	
<i>Prerequisite: Departmental approval</i>	
SOFTENG 788	30 Points
SOFTENG 788A	15 Points
SOFTENG 788B	15 Points
Research Project - Level 9	
Students are required to submit a report on a topic assigned by the appropriate Head of Department.	
<i>Prerequisite: Departmental approval</i>	
<i>To complete this course students must enrol in SOFTENG 788 A and B, or SOFTENG 788</i>	
SOFTENG 789	30 Points
Project Z - Level 9	
Students are required to submit a report on a topic assigned by the Head of Department.	
<i>Prerequisite: Departmental approval</i>	
SOFTENG 795	45 Points
SOFTENG 795A	15 Points
SOFTENG 795B	30 Points
Research Project (Software Engineering) - Level 9	
Students are required to submit a report on a topic relevant to the specialisation, as assigned by the appropriate Head of Department.	
<i>Prerequisite: Departmental approval</i>	
<i>To complete this course students must enrol in SOFTENG 795 A and B, or SOFTENG 795</i>	
SOFTENG 796A	60 Points
SOFTENG 796B	60 Points
ME Thesis (Software Engineering) - Level 9	
Students are required to submit a thesis on a topic assigned by the Head of Department.	
<i>Prerequisite: Departmental approval</i>	
<i>To complete this course students must enrol in SOFTENG 796 A and B</i>	

Structural Engineering

Stage II

STRCTENG 200	15 Points
Introductory Structural Mechanics	
Introduction to structural analysis for civil engineers. Equilibrium, internal actions and deformations, structural forms, structural systems, analysis of determinate systems, plane section properties, elasticity, engineering beam theory, failure theories. Prepares students to embark on further studies in structural design.	
<i>Prerequisite: ENGGEN 121</i>	
<i>Restriction: CIVIL 210</i>	
STRCTENG 201	15 Points
Civil Engineering Materials and Design	
Properties and manufacturing of civil engineering material including concrete, steel, timber structural products and roading material. Design principles and examples for concrete, steel and timber members.	
<i>Restriction: CIVIL 250</i>	
STRCTENG 299	0 Points
Workshop Practice	
<i>Restriction: ENGGEN 299</i>	

Stage III

STRCTENG 300	15 Points
Design Loads and Dynamic Response of Structures	
Determination of design loads according to AS/NZS1170 and the response of structures under dynamic loadings.	
<i>Prerequisite: CIVIL 210 or STRCTENG 200</i>	
<i>Restriction: CIVIL 314</i>	
STRCTENG 301	15 Points
Timber Structures Design	
Structural analytical techniques including computer based approaches to simple indeterminate structures. Design procedures for members and structural systems of timber and engineered wood products including environmental and sustainability considerations in design. Design project.	
<i>Prerequisite: CIVIL 210 or STRCTENG 200</i>	
<i>Restriction: CIVIL 312</i>	
STRCTENG 302	15 Points
Steel Structures Design	
Mechanical properties of steel and contextualises the application of steel and steel/concrete into buildings and bridges including material environmental and sustainability considerations. Comprehensive introduction to design of structural steel members and connections and their use in structures. Application to vertical load carrying systems and steel building behaviour in earthquake and fire.	
<i>Prerequisite: CIVIL 210 or STRCTENG 200</i>	
<i>Restriction: CIVIL 313</i>	
STRCTENG 303	15 Points
Concrete Structures Design	
Design of reinforced concrete members including beams, columns, walls, foundations. Introduction to prestressed and precast concrete design and applications. Use of the New Zealand Concrete Structures Standard, NZS 3101. Discussion of environmental and sustainability considerations when using concrete as a building material.	
<i>Prerequisite: CIVIL 210 or STRCTENG 200</i>	
<i>Restriction: CIVIL 313</i>	
STRCTENG 304	15 Points
Structural Design for Civil Engineers	
Structural loading for gravity and wind in accordance with the loading code AS/NZS1170. Design principles and examples for concrete and timber members and design for timber framed buildings using NZS3604 including the concept of safety in design. Discussion of sustainability and environmental implications of selecting different building materials. Introduction to seismic building behaviour at a conceptual level.	
<i>Prerequisite: CIVIL 210 or STRCTENG 200</i>	
<i>Restriction: CIVIL 312, 313</i>	

Postgraduate 700 Level Courses

STRCTENG 710	15 Points
Low Rise Structures Design	
Structural systems for low-rise buildings, including seismic design and analysis techniques. Design and detailing of low-rise structures in structural steel, reinforced concrete, reinforced masonry, and timber including discussion of sustainability and environmental impacts of design decisions. Strut and tie for reinforced concrete. Introduction to fire engineering. Techniques in ensuring safety in design, checking of existing structures, lessons from failures, and design for repair.	
<i>Prerequisite: STRCTENG 302, and CIVIL 313 or STRCTENG 303</i>	
<i>Restriction: CIVIL 713</i>	

STRCTENG 711 15 Points**Multistorey Structures Design**

Techniques for the design of multistorey structures to resist seismic loading. Derivation of design actions and design of structural components subject to cyclic inelastic action. Includes identifying alternative structural systems for resisting seismic loads, incorporating sustainable design into seismic structural systems, detailing of members and joints to enhance earthquake resistance, design for repair, seismic isolation, and ensuring safety in design.

Prerequisite: STRCTENG 302, and CIVIL 313 or STRCTENG 303

Restriction: CIVIL 714

STRCTENG 760 15 Points**Forensic Structural Engineering**

Investigation of structural failures and disasters extending to the evaluation and assessment, restoration, and strengthening of modern and historic structures. Provides an understanding of the forensic engineering process that applies to the investigation and assessment of structural failures. Business practices including standards of care, performing critical self-assessment of capabilities, assembling a team, and professional ethics, legal testimony, and media relations are also discussed.

Prerequisite: STRCTENG 302, 303

Restriction: CIVIL 744

Transdisciplinary Artificial Intelligence and Society

Stage I**TD AIS 100 15 Points****Artificial Intelligence and Society**

Explores the impacts of Artificial Intelligence on society. Working in teams, students will investigate how Artificial Intelligence systems work and their impacts on the legal, social, ethical, and indigenous systems. Using the health sector as an example, students will use a transdisciplinary approach to propose solutions for developing Artificial Intelligence systems that are equitable for all groups in society.

Urban Design

Postgraduate 700 Level Courses**URBDES 702 15 Points****Urban Design Theory and Practice**

The language of urban design, urban analysis, urban history, contemporary theory, international and local practice, allied disciplines, cities in the developing world and pacific urbanism.

URBDES 703 15 Points**Directed Study****URBDES 705 15 Points****Emerging Paradigms**

Urban morphology and exploring contemporary urban design issues and paradigms.

URBDES 710 30 Points**Urban Design Studio 1 - Level 9**

Studio-based investigation to develop critical skills and judgments on urban design principles and concepts ranging from street/block to urban design at a strategic scale.

URBDES 720 30 Points**Urban Design Studio 2 - Level 9**

An advanced urban design project involving highly specialised research related to the analysis and design of the built environment.

Prerequisite: URBDES 710

URBDES 730 30 Points**Urban Design Research Project**

Individual research project in an aspect of urban design theory or practice.

Urban Planning

Stage I**URBPLAN 101 15 Points****Introduction to Urban Planning**

An introduction to the discipline of urban planning, examining its evolution, theory, practice, profession, ethics, values and future trends. Offers a critical exploration of the challenges facing urban planners today and into the future.

URBPLAN 122 15 Points**Introduction to Society, Civics and Governance Issues for Urban Planning**

An introduction to the concepts of civics and governance in New Zealand and its international obligations, the theories and values of democracy, natural justice and the role institutional behaviour. Provides an understanding of the basis of the New Zealand legal system, the Te Tiriti o Waitangi/Treaty of Waitangi and public policy development.

Restriction: URBPLAN 102

URBPLAN 123 15 Points**Urban Planning Economics**

An introduction to economic theory, at both the micro and macro levels, and its impact and influence on urban planning policy development and decision making. Includes reference to how economic development can be integrated into effective urban planning policy formulation.

Restriction: URBPLAN 102

URBPLAN 124 15 Points**Ecosystem, Sustainability and Environment**

Introduces ecological processes, natural hazard risk, and urban resilience in an urban context. Explores themes in ecology, climate change, biodiversity, sustainability, and Māori values and perspectives of the ecosystem and environmental processes, with a focus on the interactions between the natural and built environment, utilising a holistic and systematic approach.

Restriction: URBPLAN 105

URBPLAN 125 30 Points**Urban Planning Studio 1**

Introduces site plan, land use development, urban design theories, urban morphology and how these principles apply to building form, land use and subdivision, the space between buildings, and urban landscape management. Students undertake site analysis to develop skills at differing scales for challenges such as housing provision and diversity in relation to heritage, cultural values, natural hazards, and feasibility.

URBPLAN 126 30 Points**Urban Planning Studio 2**

An introduction to basic urban design theories and principles as applied to building form, land use and subdivision patterns, the space between buildings, the

role of open space and the public realm. Students will undertake site analysis and through a studio-based design exercise develop skills and practices for working at the differing spatial scale relevant for urban planning and urban design.

Stage II

URBPLAN 201 15 Points Urban Policy Analysis

The application of critical quantitative and qualitative research skills and methods for urban planning.

Prerequisite: URBPLAN 101-105, or 30 points passed in *Global Environment and Sustainable Development*

URBPLAN 202 15 Points Urban Planning Implementation and Law

A critical understanding of the concepts and principles of relevance to urban planning legislation, practice and decision-making.

Prerequisite: URBPLAN 101-105

URBPLAN 203 15 Points Urban Infrastructure

A critical analysis of infrastructure provision, modelling, and assets management provision.

Prerequisite: URBPLAN 101-105, or GEOG 101, 102, 140 or GISCI 140, and URBPLAN 103

URBPLAN 204 15 Points Urban Planning Social Theory and Practice

A critical analysis of the urban social issues, urban social theory, social justice and deprivation, and gender issues.

Prerequisite: URBPLAN 101-105

URBPLAN 205 15 Points Urban Infrastructure and Transportation Planning

Examines the issues surrounding the planning, development and funding of different types of social and physical infrastructure, including transportation, energy, renewable energy, and water and sewerage management, using local and international case studies and examples.

Prerequisite: URBPLAN 101-105, or BLTENV 101-103 and URBPLAN 101, 124, 125

URBPLAN 210 15 Points Urban Planning Studio Three

Research and design techniques and skills for evaluating urban design outcomes against urban design criteria at the neighbourhood scale.

Prerequisite: URBPLAN 110, 111

URBPLAN 211 15 Points Urban Planning Studio Four

Examines the complex interrelationships of urban planning issues required to achieve effective and sustainable design solutions at the town/city spatial scale.

Prerequisite: URBPLAN 110, 111

URBPLAN 221 15 Points People, Housing and Communities

Critically explores culture, democracy, and urban social theories and issues, such as social justice and cohesion, social dislocation and urban gentrification, taking into account cultural values, mātauranga Māori and kaupapa Māori. Explores urban planning responses and community engagement methods, including social impact assessments,

explorations of housing policies and practices, and transportation planning responses to social dislocation.

Prerequisite: URBPLAN 101, 122-126, or BLTENV 101-103 and URBPLAN 101, 124, 125

Restriction: URBPLAN 204

URBPLAN 222 15 Points Urban Economics

Explores economic theories at both micro and macro levels and their direct relevance to urban planning policy development and decision-making processes. Analyses urban land use economics, economic models such as cost-benefit analysis (CBA), the housing market, and the role of planning strategies in facilitating or impeding efficient land and property markets.

Prerequisite: URBPLAN 101, 122-126, or BLTENV 101-103 and URBPLAN 101, 124, 125

Restriction: URBPLAN 304

URBPLAN 223 15 Points Planning Law and Applications

Introduces the New Zealand land tenure, property and land ownership, property rights, and the relevant legislation. Provides a critical understanding of the framework, concepts, principles, functions, and development processes of the environment, resource management and urban planning legislation, practices and decision-making, and the applications of legislation and legal principles to practical planning issues and situations.

Prerequisite: URBPLAN 101, 122-126, or BLTENV 101-103 and URBPLAN 101, 124, 125

Restriction: URBPLAN 202

URBPLAN 225 30 Points Urban Planning Studio 2

Focuses on holistic and multi-dimensional approaches to community re-generation across its various dimensions and the mitigation of adverse impacts of urban gentrification and social dislocation of existing communities, including Māori whānau. Explores built environment, public realm placemaking, infrastructure provision, accessibility, and energy-efficient and socially equitable planning strategies and skills to undertake a medium-scale precinct regeneration.

Prerequisite: URBPLAN 101, 122-126, or BLTENV 101-103 and URBPLAN 101, 124, 125

URBPLAN 226 30 Points Urban Planning Studio 3

Undertake an in-depth consideration of an environmental threat currently or potentially challenging community planning practices, taking into account socially equitable outcomes and Māori resource interests, rights, and worldview. Explorations of impacts of environmental threats such as climate change, and the challenges of creating resilient, sustainable, and equitable communities for mitigating and/or adapting to impacts of natural threats.

Prerequisite: URBPLAN 101, 122-126, or BLTENV 101-103 and URBPLAN 101, 124, 125

Stage III

URBPLAN 301 15 Points Urban Economic Development

An evaluation of theories, policies and practices of community and economic development relevant for urban planning.

Prerequisite: URBPLAN 201-205, or 30 points at Stage II in *Global Environment and Sustainable Development*

URBPLAN 302 Heritage/Cultural Issues for Urban Planning A critical analysis of the history, theory and practice of heritage planning in New Zealand and relevant international contexts. <i>Prerequisite: URBPLAN 201-205</i>	15 Points
URBPLAN 303 Ecology and Resilience A critical analysis of the ecological view towards the concepts of resilience; social-ecological systems models, considering wicked problems and the impacts of climate change. <i>Prerequisite: URBPLAN 201-205</i>	15 Points
URBPLAN 304 Urban Land Use Economics Examines the principles of urban land economics focusing on economic development, property markets and property development. <i>Prerequisite: URBPLAN 201-205</i>	15 Points
URBPLAN 305 Māori Urban Planning Issues Māori attitudes, values and aspirations in urban planning with an understanding of the Treaty of Waitangi; post Treaty settlements. <i>Prerequisite: URBPLAN 201-205</i>	15 Points
URBPLAN 306 Global Contexts and Contemporary Urban Planning Issues Examines how comparative urban planning systems address contemporary urban planning issues in both the New Zealand and international contexts. <i>Prerequisite: URBPLAN 201-205, or 30 points at Stage II in Global Environment and Sustainable Development</i>	15 Points
URBPLAN 307 Negotiation, Mediation and Project Management Provides a critical understanding of negotiation, mediation and project management methods and skills for urban planning, and management types, cultures and consensus-building for private practices and in local and central government agencies. Includes analysing trade-offs or synergies, negotiating solutions and project management and planning in New Zealand as relevant to urban planning practice. <i>Prerequisite: URBPLAN 205, 221-223, 225, 226</i>	15 Points
URBPLAN 310 Urban Planning Studio Five To develop a critical understanding of regional planning practices, and develop advanced research and designs skills in proposing more sustainable urban form. <i>Prerequisite: URBPLAN 210, 211</i>	15 Points
URBPLAN 311 Urban Planning Studio Six Community engagement, data collection and analysis using a project-based approach. <i>Prerequisite: URBPLAN 210, 211</i>	15 Points
URBPLAN 321 Urban Policy Analysis, Development and Research Skills Provides a critical understanding of the role public policy plays in practice and how to analyse and develop effective, creative outcome-focused policy solutions for	15 Points

urban planning through the application of quantitative and qualitative research skills and methods.
Prerequisite: URBPLAN 221-223, 225, 226 or 30 points passed in Global Environment and Sustainable Development
Restriction: URBPLAN 301

URBPLAN 322 Urban Infrastructure Examines the issues surrounding the planning, development and funding of different types of social and physical infrastructure, including transportation, energy, renewable energy, and water and sewerage management, using local and international case studies and examples. <i>Prerequisite: URBPLAN 221-223, 225, 226</i> <i>Restriction: URBPLAN 203, 205</i>	15 Points
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URBPLAN 323 Māori Planning A critical understanding of traditional and contemporary relationships between tangata whenua and the urban environment, the theoretical and practical application of a Māori worldview for urban planning practice in Aotearoa New Zealand, and how the Treaty of Waitangi settlement process will impact and influence urban planning. <i>Prerequisite: URBPLAN 221-223, 225, 226</i> <i>Restriction: URBPLAN 305</i>	15 Points
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URBPLAN 325 Urban Planning Studio 4 Provides a critical understanding of the importance and integration of land use with transport (including active travel options), green infrastructure (including three waters and social infrastructure), and sustainability of a town centre development, while taking into account realistic funding models, costs and benefits, through a studio-based design exercise. <i>Prerequisite: URBPLAN 221-223, 225, 226</i>	30 Points
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URBPLAN 326 Urban Planning Studio 5 Explores social, environmental, design, or technological methods and processes, and applications of qualitative, quantitative, and/or geospatial research skills required for the creation of resilient, sustainable, and equitable urban places, forms and spaces. Provides an understanding of urban and rural interactions, or regional environmental, infrastructure or land use issues in light of significant urban growth pressures. <i>Prerequisite: URBPLAN 221-223, 225, 226</i>	30 Points
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Postgraduate 700 Level Courses

URBPLAN 701 Urban Planning Contexts - Level 9 An introduction to the city, urban planning and sustainability. Professional roles, practices and values. An introduction to and application of critical quantitative and qualitative research skills and methods for urban planning.	15 Points
URBPLAN 702 Urban Planning Law - Level 9 A critical understanding of the concepts and principles of relevant urban planning legislation and decision-making.	15 Points
URBPLAN 706 Māori Planning Issues - Level 9 Māori attitudes, values and aspirations in urban planning with an understanding of the Treaty of Waitangi. Indigenous development issues.	15 Points

URBPLAN 707 Urban Economic Development - Level 9 Principles of urban economics. Economic development, urban planning strategies. Asset management and property development.	15 Points	URBPLAN 718 Sustainable Urbanism Studio - Level 9 An advanced examination of sustainable urbanism, merging ecological principles with urban design, where students analyse and develop solutions for resilient, energy-efficient, and socially equitable urban environments, facilitated by collaborative studio projects and expert-led discussions. <i>Prerequisite:</i> URBPLAN 701, 706, 707, 709, 716, 717 <i>Restriction:</i> URBPLAN 712, 713	30 Points
URBPLAN 709 Housing and Community Development A comprehensive study of community design, housing development blending theory and practice to address social, cultural, and environmental aspects of urban development and different housing needs and types, where students engage in practical design exercises, sustainable urbanism, community collaboration, and critical analysis to craft inclusive, vibrant urban spaces and addressing housing and community choice and need. <i>Prerequisite:</i> URBPLAN 701	15 Points	URBPLAN 721 Project Management for Urban Planning A critical understanding of project management methods and skills, and management types and cultures, for private practice and in local and central government agencies. Includes asset management and planning for local government in New Zealand as relevant for urban planning practice. <i>Prerequisite:</i> URBPLAN 321-323, 325, 326 or Departmental approval	15 Points
URBPLAN 711 Urban Planning Theory - Level 9 A comparative exploration of urban planning theories and ethics. <i>Prerequisite:</i> URBPLAN 301-305, 310, 311, or URBPLAN 321, 323, 325, 326, or URBPLAN 701	15 Points	URBPLAN 722 Heritage/Cultural Issues Examines heritage planning history, theory, law and implementation practices in New Zealand and relevant international contexts. <i>Prerequisite:</i> URBPLAN 321-323, 325, 326	15 Points
URBPLAN 712 Sustainable Urbanism - Level 9 Research into critical and contemporary urban planning issues.	15 Points	URBPLAN 733 Sustainable Urban Design Studio - Level 9 Developing advanced urban design techniques to create sustainable urban forms. <i>Prerequisite:</i> URBPLAN 708	15 Points
URBPLAN 713 Shelter - Level 9 Housing policies and practices. Housing and urban sustainability.	15 Points	URBPLAN 734 Smart City Planning - Level 9 Smart technologies like AI, Urban Digital Twinning, and Internet of Things are reshaping urban planning, design, and decision-making processes. Explores their potential and limitations in tackling urban challenges, improving efficiency, and aligning with Sustainability Development Goals while critically examining ethical concerns surrounding their implementation in cities. <i>Prerequisite:</i> URBPLAN 301-305, 310, 311, or URBPLAN 321, 323, 325, 326, or URBPLAN 704	15 Points
URBPLAN 714 Urban Planning Methods and Plan Making Studio - Level 9 Urban planning methods and plan making implication and evaluation. Project management. <i>Prerequisite:</i> URBPLAN 301-305, 310, 311, or URBPLAN 321, 323, 325, 326, or URBPLAN 702	15 Points	URBPLAN 735 Resource Consents and Implementation, Evaluation - Level 9 The critical skills and judgments required in the urban planning implementation process, including Assessment of Environmental Effects/Social Impact Assessment development. <i>Prerequisite:</i> URBPLAN 301-305, 310, 311, or URBPLAN 321, 323, 325, 326	15 Points
URBPLAN 715 Urban Planning Research Dissertation - Level 9 An in-depth, self-guided research investigation relevant to urban planning with an advanced examination and application of critical quantitative and/or qualitative research skills for urban planning. <i>Prerequisite:</i> URBPLAN 701, 705	45 Points	URBPLAN 741 Special Topic - Level 9	15 Points
URBPLAN 716 Contemporary Wicked Problem Studio - Level 9 An advanced, in-depth exploration of sustainable urban planning concepts, focusing on environmental resilience, green infrastructure, and community involvement, through hands-on projects and strategic planning, enabling students to develop skills essential for innovative, sustainable urban development in diverse spatial contexts. <i>Prerequisite:</i> URBPLAN 321, 323, 325, 326 or URBPLAN 701 <i>Restriction:</i> URBPLAN 703, 705	30 Points	URBPLAN 742 Special Topic - Level 9	15 Points
URBPLAN 717 Community Design Studio - Level 9 An advanced, in-depth study of community design, blending theory and practice to address social, cultural, and environmental aspects of urban development, where students engage in practical design exercises, community collaboration, and critical analysis to craft inclusive, vibrant urban spaces. <i>Prerequisite:</i> URBPLAN 307, 321, 323, 325, 326 or URBPLAN 701 <i>Restriction:</i> URBPLAN 704, 708	30 Points	URBPLAN 757 Research Project - Level 9 An in-depth, self-guided research specialised investigation, with an advanced examination and application of critical quantitative and qualitative research skills for urban planning. <i>Prerequisite:</i> URBPLAN 301-311 or 321, 326	30 Points

URBPLAN 791 30 Points**Research Project - Level 9**

An in-depth, supervised research investigation relevant to urban planning with an advanced examination and application of critical quantitative and/or qualitative research skills for urban planning.

Prerequisite: URBPLAN 701, 706, 707, 709, 716, 717

URBPLAN 794A 45 Points**URBPLAN 794B** 45 Points**Thesis - Level 9**

To complete this course students must enrol in URBPLAN 794 A and B

URBPLAN 796A 60 Points**URBPLAN 796B** 60 Points**Thesis - Level 9**

To complete this course students must enrol in URBPLAN 796 A and B

Waipapa Taumata Rau

Stage 1**WTRENG 100** 15 Points**Waipapa Taumata Rau: Engineering and design for the built environment in Aotearoa New Zealand**

Ko Waipapa Taumata Rau tātou. Welcome to your study in Architecture, Design, Engineering or Urban Planning. This core course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. It provides foundational essential skills to support you in your first year and future studies.

Restriction: SCIGEN 102, 102G, WTR 100, 101, WTRBUS 100, WTRMHS 100, WTRSCI 100

FACULTY OF LAW

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Faculty of Law

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Commercial Law

Postgraduate 700 Level Courses

COMLAW 740A

15 Points

COMLAW 740B

15 Points

The Tax Base - Level 9

An advanced study of the breadth of the New Zealand income tax base, including the different concepts of income, its timing and recognition. Comparisons between the nature of capital and income, and the differing treatment of each, provides a deeper understanding of the policy behind the New Zealand income tax regime. Provides a theoretical background and detailed technical knowledge of the scope and application of the most significant regimes for income, deduction and timing in the Income Tax Act 2007. Involves individual research resulting in a substantial individual research essay.

To complete this course students must enrol in COMLAW 740 A and B

COMLAW 747

15 Points

Goods and Services Tax

An advanced study of Goods and Services Tax. Provides both a theoretical background and high level of technical knowledge of the GST Act 1985. Comparisons with other indirect taxes and overseas variations of GST (notably Australian GST and UK VAT) provide a deeper understanding of the policy behind the New Zealand GST regime. Major topics include taxable activities, input tax, output tax, registration, adjustments, taxable supplies, timing and the GST anti-avoidance provisions.

Law

Stage I

LAW 121G

15 Points

Law and Society

An introduction to theories of the nature, functions and origins of law and legal systems, including sources of law; comparative concepts of law; an overview of constitutional and legal arrangements in New Zealand, including the role of the courts; the operation of the legal system in historical and contemporary New Zealand with a focus on concepts of property rights, the Treaty of Waitangi, Treaty Settlements and proposals for constitutional change. Note: Does not meet the General Education requirement for LLB, LLB(Hons), LLB conjoint or LLB(Hons) conjoint degrees.

Restriction: LAW 101

LAW 131

15 Points

Legal Method

An introductory study of how law is made and applied in New Zealand – an overview of the law-making roles of the legislative, executive and judicial branches of government; other influences on the development of the law; an introduction to case law, including judicial reasoning and the doctrine of precedent; an introduction to statute law, including the legislative process and techniques of statutory interpretation and application; the interaction between case law and legislation.

Prerequisite: LAW 121 or 121G

LAW 141

15 Points

Legal Foundations

An overview of the classification, sources and operation of core aspects of New Zealand law, including state law and tikanga Māori. An introduction to other sources, perspectives and explanations of law.

Prerequisite: LAW 121 or 121G

Corequisite: LAW 131

Stage II

LAW 201A

15 Points

LAW 201B

15 Points

Criminal Law

An introduction to the principles and practice of criminal law in Aotearoa New Zealand, including an analysis of a selection of offences, criminal defences and the rules attributing criminal liability. Apart from the rules concerning burden of proof and an introduction to the principles and process of sentencing, no detailed study is made in this course of the law of evidence or procedure.

Corequisite: LAW 298 or 299

To complete this course students must enrol in LAW 201 A and B

LAW 211A

15 Points

LAW 211B

15 Points

Public Law

The principles and workings of the New Zealand constitution; the powers, privileges and immunities of the three branches of government; the exercise and control of public power; and the relationship between the individual and the State (including the position of Māori under the Treaty of Waitangi).

Corequisite: LAW 298 or 299

To complete this course students must enrol in LAW 211 A and B

LAW 231A

15 Points

LAW 231B

15 Points

Law of Torts

The general principles of civil liability for non-consensual wrongs. The principles of liability applying to selected torts, including the intentional torts such as: assault, battery, false imprisonment, intentionally inflicting emotional distress, trespass to land, wrongs to goods, negligence, strict liability, nuisance and defamation. The law relating to compensation for personal injury.

Corequisite: LAW 298 or 299

To complete this course students must enrol in LAW 231 A and B

LAW 241A

15 Points

LAW 241B

15 Points

Law of Contract

The general principles of contract law including: the formation of contracts at common law, New Zealand contract legislation, breach of contract, and remedies

for breach of contract. An introduction to the general principles of agency.

Corequisite: LAW 298 or 299

To complete this course students must enrol in LAW 241 A and B

LAW 298A 5 Points

LAW 298B 5 Points

Legal Research, Writing and Communication

Legal research, writing, mooting and other requirements, as determined by the Dean of Faculty of Law.

Restriction: LAW 299

To complete this course students must enrol in LAW 298 A and B

Stage III

LAW 301A 10 Points

LAW 301B 10 Points

Land Law

A study of the history and principles of land law including: estates and interests in land, the effect of registration and indefeasibility of title, leasehold estates, easements and profits, mortgages, and concurrent interests in land, and covenants affecting freehold land.

Prerequisite: LAW 201, 211, 231, 241

To complete this course students must enrol in LAW 301 A and B

LAW 306A 10 Points

LAW 306B 10 Points

Equity

A study of the central principles and remedies of equity including: the fiduciary principle, relationships of confidence, unconscionable conduct, undue influence, estoppel, assignments, trusts (express, resulting and constructive), charities, tracing, third-party liability, the assignment in equity of choses in action, and priorities. Basic principles of the law of succession and of the administration of estates.

Prerequisite: LAW 201, 211, 231, 241

To complete this course students must enrol in LAW 306 A and B

LAW 316 15 Points
Jurisprudence

A study of the nature of law, including the nature of legal reasoning, its sources, and methodologies; fundamental legal concepts and the structure of a legal system; law's relations to the State, politics and morality; critical and pluralist challenges to State law's claims to neutrality and supremacy in the administration of justice in Aotearoa New Zealand.

Prerequisite: LAW 201, 211, 231, 241

LAW 398 15 Points

Ethical Practice

Develops advanced research skills by using multi-jurisdictional legal sources within the context of the study of legal ethics. Examines the concept of professional responsibility by considering the nature of the legal profession and the wider responsibilities of lawyers in the community, various theories of ethics and ethical conduct, and specific duties of practitioners, including conflicts of interest, confidentiality, duties of disclosure, fiduciary responsibilities to clients, and duties to the court.

Corequisite: LAW 301 or 306

Restriction: LAW 458

LAW 399 10 Points

Legal Research 2

An introduction to multi-jurisdictional legal information sources and advanced research skills.

Prerequisite: LAW 201, 211, 231, 241, 298 or 299

Stage IV

LAW 410 15 Points

He Pūtake Tikanga Māori

The fundamental tenets of te ao Māori and tikanga Māori, covering their origins, historical developments, and contemporary realities. Students will be exposed to the sophistication, pragmatism, and holistic nature of Māori philosophy that underpins the key means of achieving balance in all facets of Māori society, both traditionally, and today.

Prerequisite: LAW 201, 211, 231, 241

LAW 411 15 Points

Special Topic

LAW 456 15 Points

Supervised Research

A research paper, approved by the Dean of Faculty of Law, written under the supervision of a teacher in the Faculty of Law.

LAW 458 10 Points

Legal Ethics

A study of legal ethics and professional responsibility including: an introduction to ethical analysis which examines various theories of ethics; the applicability of ethical analysis to legal practice; the concept of a profession and the ethical and professional duties of practitioners (which will include, amongst other topics, conflicts of interest, confidentiality, duties to the court, duties of loyalty and fidelity); the wider responsibilities of lawyers in the community.

Prerequisite: LAW 201, 211, 231, 241, 298

LAW 498 0 Points

Advanced Legal Research, Writing and Communication

Satisfactory completion of such advanced legal research, writing, communication and other requirements as determined by the Dean of Faculty of Law.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAW 400, 499

Postgraduate 700 Level Courses

LAW 700 0 Points

Legal Research Methodology and Advanced Writing - Level 9

Multi-jurisdictional legal information sources and advanced legal research, research problem formulation and refinement, legal and social science research methodologies, research ethics and evaluative research trail. Legal writing for different purposes and different audiences.

LAW 701 30 Points

The Legal System: Sources, Structure and Method - Level 9

Examination of the core substantive components of the New Zealand legal system, in comparison with other municipal legal systems and international law. Analysis of the sources of New Zealand law, including statute, case law and custom, and the influence of international law. Legal methodology in theory and practice, including: judicial

reasoning and the doctrine of precedent, techniques of statutory interpretation, and the resolution of disputes. Different modes of legal analysis and approaches to legal theory.

LAW 760 15 Points
Directed Study - Level 9

Supervised research paper on an advanced legal topic, approved by the Dean of Faculty of Law.

LAW 790 30 Points
Dissertation - Level 9

A dissertation of approximately 15,000 words resulting from original research of the student, having the scope, and depth of research, of a competent law review article.

LAW 794A 45 Points

LAW 794B 45 Points

Research Portfolio 1 - Level 9

Supervised research comprising a portfolio of research work within an area of specialisation culminating in a linking paper that together creates a coherent body of scholarly work.

To complete this course students must enrol in LAW 794 A and B

LAW 796A 45 Points

LAW 796B 45 Points

Thesis 1 - Level 9

A thesis of approximately 30,000 words resulting from original research of the student, displaying at a minimum: thorough research, a competent advanced understanding of the topic studied, and an ability to present the student's understanding of that topic in an orderly way.

To complete this course students must enrol in LAW 796 A and B

LAW 797A 60 Points

LAW 797B 60 Points

Thesis 2 - Level 9

A thesis of approximately 40,000 words resulting from original research of the student, displaying comprehensive understanding of the topic studied and an ability to contribute to the better understanding of that topic.

To complete this course students must enrol in LAW 797 A and B

LAW 798A 60 Points

LAW 798B 60 Points

Research Portfolio 2 - Level 9

Supervised research comprising a portfolio of research work within an area of specialisation culminating in a linking paper that together creates a coherent body of scholarly work.

To complete this course students must enrol in LAW 798 A and B

Law Commercial

Stage IV

LAWCOMM 400 15 Points

Contemporary Commercial and Private Law Litigation

Detailed study of contemporary private law issues in the context of commercial litigation, with a dual focus on substance and litigation practice. Topics (selected based on recent cases) will include discrete legal issues across areas like contract, equity, tort and restitution.

Prerequisite: LAW 201, 211, 231, 241

LAWCOMM 410 15 Points

Special Topic

Special Topic

LAWCOMM 411 15 Points

Special Topic

Special Topic

LAWCOMM 412 15 Points

Restitution

A study of the general principles of the law of restitution, including an analysis of the concept of unjust enrichment, selected applications of restitutionary principle for the recovery of value upon a flawed or conditioned transfer, recovery outside contract for labour expended on another's behalf, and stripping wrong-doers of profits.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAW 366, 451, LAWCOMM 405, LAWHONS 726

LAWCOMM 413 15 Points

Conflict of Laws

An introduction to private international law (i.e., the body of law dealing with international civil or commercial issues or disputes that are not governed by substantive conventions) including: a study of the jurisdiction of the New Zealand courts, recognition and enforcement of foreign judgments and decrees, and choice of the governing legal system.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAW 420, 477, LAWCOMM 407

LAWCOMM 414 15 Points

Law of Personal Property

Introduction to the concepts and legal rights associated with personal property, covering: possessory rights and relationships, including bailment, reservation of title and security interests in goods, and principles relevant to the transfer and acquisition of personal property.

Prerequisite: LAW 231

Restriction: LAW 311, 471, LAWCOMM 442

LAWCOMM 415 15 Points

Financial Markets Law

An examination of the law regulating the promotion of companies, duties and liabilities of directors and promoters for the promotion of a company, public fund raising in New Zealand, insider trading laws and takeovers, and limited liability partnerships.

Corequisite: LAW 417 or LAWCOMM 402 or 464

Restriction: LAW 487, 490, LAWCOMM 444

LAWCOMM 416 15 Points

Tax Law

A general introduction to tax law including: aspects of tax policy; the structure of the tax system; residence; source; the meaning of income; the deductibility of expenditure; the distinction between capital and revenue; depreciation; avoidance; disputes and rulings; GST.

Prerequisite: LAW 211, 241

Restriction: LAW 429, LAWCOMM 403

LAWCOMM 419 15 Points

International Sales and Finance

Study of the law relating to international trade and transnational business transactions, including international sales contracts and international trade finance, and conflict of laws issues arising out of international trade.

Prerequisite: LAW 211, 231, 241

Restriction: LAW 476, LAWCOMM 406

LAWCOMM 420 15 Points Advanced Tax Law A more advanced study of tax law covering topics such as tax history; tax theory; the taxation of companies; dividends; imputation; groups; losses; qualifying companies; trusts; withholding obligations; accruals; avoidance; international tax; profit reduction techniques; transfer pricing; controlled foreign corporations (CFCs); foreign investment funds (FIFs); tax treaties. <i>Prerequisite:</i> LAWCOMM 403 or 416 <i>Restriction:</i> LAW 409, COMLAW 311	assistance given to lawyers by information retrieval, office management and litigation support systems. <i>Prerequisite:</i> LAW 201, 231 <i>Restriction:</i> LAW 438
LAWCOMM 421 15 Points Commercial Arbitration The law and procedure relating to the settlement of domestic and international commercial disputes by arbitration, including a study of key arbitration principles, governing law issues, appointment and duties of arbitrators, the conduct of proceedings, enforcement and judicial review of awards, and international investment arbitration. <i>Prerequisite:</i> LAW 211, 231, 241 <i>Restriction:</i> LAW 414	LAWCOMM 427 15 Points Vendor and Purchaser A study of the law relating to contracts for the sale and purchase of land, including the formation of the contract, the application of relevant statutes, the basic terms of such contracts and their significance, matters of title, settlement and completion, and remedies for breach. <i>Corequisite:</i> LAW 301 <i>Restriction:</i> LAW 454
LAWCOMM 422 15 Points Competition Law A study of the principles of competition law in New Zealand including the effect on competition law of the CER Agreement with Australia. Comparison with the competition laws of other countries including the United States, the European Union and Australia. <i>Prerequisite:</i> LAW 241 or COMLAW 201 and 203 <i>Restriction:</i> LAW 419	LAWCOMM 428 15 Points Maritime Law An introduction to shipping law, including an overview of the contracts commonly used for maritime activity; charterparty contracts for the use of ships; contracts for the carriage of goods with a focus on bills of lading; New Zealand domestic legislation relevant to maritime activity; marine insurance; admiralty jurisdiction and the practice of Admiralty law; collision between vessels; the law of salvage, general average and towage. <i>Prerequisite:</i> LAW 211, 231, 241 <i>Restriction:</i> LAW 459
LAWCOMM 423 15 Points Company Liquidations Examination of the legal process by which companies are placed in liquidation including: the law on corporate insolvency, and the procedures and the enforcement mechanisms used to give effect to the law; current law and new approaches to insolvency. <i>Prerequisite:</i> LAW 241 <i>Restriction:</i> LAW 422	LAWCOMM 429 15 Points Advanced Tort Explores in depth issues touched on in LAW 231 and introduces new causes of action. Topics will include some or all of the following: the recovery of economic loss in negligence, negligent misrepresentation, vicarious liability, factual causation, nonfeasance, the economic torts, the effect of statutes and contracts on the law of tort, and damages. <i>Prerequisite:</i> LAW 231 <i>Restriction:</i> LAW 484
LAWCOMM 424 15 Points Insurance Law A consideration of the law governing insurance contracts, including the duty of utmost good faith; the interpretation of the policy; the scope of cover; warranties and conditions; the claims process and fraudulent claims; and quantification of the insurer's obligations; subrogation and recoupment; and third party rights. <i>Prerequisite:</i> LAW 231, 241 <i>Restriction:</i> LAW 431, LAWCOMM 453, LAWHONS 734	LAWCOMM 432 15 Points Corporate Transactions A study of corporate transactions in operation, with particular reference to the legal and practical processes involved in the formation and implementation of such major business transactions as are typical in the life cycle of a business. The particular transactions focused upon may vary from year to year. <i>Prerequisite:</i> LAW 241 <i>Restriction:</i> LAW 493
LAWCOMM 425 15 Points International Trade Study of the law relating to international trade and transnational business transactions; contracts of carriage; the law and policy surrounding the regulation of the international transportation of goods by sea, land and air. <i>Prerequisite:</i> LAW 211, 231, 241 <i>Restriction:</i> LAW 436	LAWCOMM 433 15 Points Copyright and Design An in-depth examination of the law of copyright and registered designs in New Zealand and Australia, including the relationship between copyright and design protection. <i>Prerequisite:</i> LAWCOMM 404 or LAWCOMM 458
LAWCOMM 426 15 Points Law and Information Technology An introduction to the use of information systems in legal practice and research and the impact of the law on information technology including: computer crimes, torts, intellectual property, evidence, privacy, and the	LAWCOMM 434 15 Points Advanced Contract Advanced studies in selected areas of Contract Law. <i>Prerequisite:</i> LAW 241 LAWCOMM 436 15 Points Advanced Company Law Study in selected areas of company law including theories of the company, companies viewed from a law and economics perspective, the relationship between the board and shareholders, the place of corporate social

responsibility, comparative corporate law and current issues in company law.

Prerequisite: LAWCOMM 402 or 464

LAWCOMM 437 **15 Points**
Iwi Corporate Governance

An examination of the common governance structures employed by iwi, why those structures are chosen and the legal and practical issues that arise as a result. Aspects of the law related to trusts, limited partnerships, charities and Māori Authorities, and how they may be interwoven within one overarching structure.

Prerequisite: LAW 211, 241

Restriction: LAW 497, LAWCOMM 446

LAWCOMM 450 **15 Points**
International Tax Law

The globalisation of business presents a significant challenge to governments and revenue authorities and opportunities for multinational businesses to be able to locate productive activities, risks, and importantly, profits to any jurisdiction that they wish. This course looks at cross border taxation with emphasis on double tax treaties.

Prerequisite: LAW 211, 241

LAWCOMM 451 **15 Points**
Construction Law

Examines the law applicable to the lifecycle of a construction and/or infrastructure project, including foundational concepts; the project; post-project claims and latent defects. Covers the statutory and regulatory framework, the contractual matrix, and the law of tort, equity and limitation (as these are applicable to construction and infrastructure projects). Covers legal concepts and jurisprudence unique to construction law.

Prerequisite: LAW 201, 211, 231, 241

LAWCOMM 452 **15 Points**
Commercial and Consumer Law

A study of the law relating to commercial and consumer law including: the general regime on the sale of goods and its contrast to the Consumer Guarantees Act 1993, selected aspects of carriage of goods and of agency, and the basic disciplines of the Fair Trading Act 1986.

Prerequisite: LAW 201, 211, 231, 241

Corequisite: LAW 301, 306

Restriction: LAW 415, LAWCOMM 401

LAWCOMM 456 **15 Points**
Secured Credit

A detailed study of the law relating to securities over personal property, and related aspects of credit contracts.

Prerequisite: LAW 201, 211, 231, 241

Corequisite: LAW 301, 306

Restriction: LAW 415, LAWCOMM 401

LAWCOMM 457 **15 Points**
Consumer Law

An in-depth examination of selected aspects of consumer law, including (but not limited to) misleading and deceptive conduct, other unfair practices, unfair contract terms in standard form consumer contracts, consumer guarantees and uninvited direct sales.

Prerequisite: LAW 201, 211, 241

LAWCOMM 458 **15 Points**
Intellectual Property

Study of the laws which protect the products of intellectual endeavour including: passing-off (and section 9 Fair Trading

Act), the Trade Marks Act, the Copyright Act, the action for 'breach of confidence', the Designs Act and the Patents Act.

Prerequisite: LAW 231

Restriction: LAW 432, LAWCOMM 404

LAWCOMM 461 **15 Points**
Corporate Insolvency

A study of New Zealand corporate insolvency law, focusing on the commencement of the liquidation and administration process, the inter-relationship of those processes and liquidators' and administrators' powers and liabilities. Topics covered: reckless trading and recovery from directors, the disclaimer of onerous contracts and voidable transactions. Comparative material will be drawn from Australian, Canadian and United Kingdom jurisprudence.

Prerequisite: LAW 231, 241, 298 or 299

Corequisite: LAW 306, and LAWCOMM 402 or 464

LAWCOMM 462 **15 Points**
Patents and Related Rights

Australian and New Zealand law relating to patents, including patentable subject matter, ownership, inventorship, validity requirements, patent specification requirements and the law governing infringement. The law relating to the protection of confidential information. A brief introduction to the law relating to plant variety rights.

Prerequisite: LAWCOMM 404 or LAWCOMM 458

Restriction: LAWCOMM 449, 793

LAWCOMM 463 **15 Points**
Trade Marks and Related Rights

An examination of the law related to the protection of registered trade marks in Australia and New Zealand. Other legal mechanisms that protect symbols, including the law of passing off, consumer protection legislation, special events legislation and the law relating to geographical indications and domain names.

Prerequisite: LAWCOMM 404 or LAWCOMM 458

Restriction: LAWCOMM 454

LAWCOMM 464 **15 Points**
Company Law

A general introduction to the law relating to companies incorporated under the Companies Act 1993 including the nature of corporate personality, the organisation of decision-making within companies, the making of contracts by companies, the duties of directors and the rights and remedies of shareholders.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAWCOMM 402, LAW 417

LAWCOMM 465 **15 Points**
Theories of Contract Law

Survey and analysis of the main schools of thought and positions in contemporary contract law theory, including: promise theory, transfer theory, economic analysis, communitarian theories and distributive justice theories. Examination of key questions in contract law, such as formation, interpretation and remedies in light of said theories.

Prerequisite: LAW 241

Corequisite: LAW 316

Restriction: LAWCOMM 455

LAWCOMM 466 **15 Points**
Special Topic

LAWCOMM 467 **15 Points**
Special Topic: Corporate Governance

Prerequisite: LAWCOMM 402 or 464

LAWCOMM 469 Special Topic	15 Points	other countries. Involves individual research resulting in a substantial individual research essay.
LAWCOMM 470 Special Topic	15 Points	LAWCOMM 707 Conflict of Laws - Level 9 An advanced study of private international law, including a study of the jurisdiction of the New Zealand courts and arbitrators, the recognition and enforcement of foreign judgments and decrees and arbitral awards, and choice of the governing legal system. <i>Restriction: LAW 712</i>
LAWCOMM 471 Guarantees and Indemnities An introduction to the law regarding guarantees and indemnities in New Zealand. The course will mainly focus on guarantees, although indemnities will also be covered. <i>Prerequisite: LAW 241</i> <i>Restriction: LAW 401, LAWCOMM 440</i>	15 Points	30 Points
LAWCOMM 472 Creditors' Remedies Examination of the diverse and seemingly unrelated areas of the law as they concern the rights of unsecured judgement creditors. <i>Prerequisite: LAW 241</i> <i>Restriction: LAW 461, LAWCOMM 441</i>	15 Points	LAWCOMM 709 Corporate Governance - Level 9 The principles of the law as to corporations with special reference to companies, directors' duties and the status and rights of shareholders. Involves individual research resulting in a substantial individual research essay.
LAWCOMM 473 Takeovers A consideration of the role of takeovers in the economy and the manner in which they are regulated. The principal focuses will be upon the Takeovers Code and upon the workings of the Takeover Panel. <i>Corequisite: LAW 417 or LAWCOMM 402, 464</i> <i>Restriction: LAWCOMM 445</i>	15 Points	30 Points
LAWCOMM 476 Franchise Law Introduction to the concept of franchising including definitions and alternatives, advantages and disadvantages, the business format franchise model, intellectual property protection, elements of a franchise agreement, cartels legislation and its impact, covenants against competition, unconscionable conduct, unfair contract terms, mediation, and international franchising. <i>Prerequisite: LAW 241</i> <i>Restriction: LAWCOMM 459</i>	15 Points	LAWCOMM 710 Dispute Resolution - Level 9 The history and current practice of dispute resolution outside the courtroom, dispute settlement theories, and the principles of negotiation and mediation in the context of family, commercial, environmental, international and urban community disputes. <i>Restriction: LAW 717</i>
LAWCOMM 477 Special Topic	15 Points	30 Points
Postgraduate 700 Level Courses		
LAWCOMM 700 Special Topic: Foundations of Tax Law - Level 9 Provides a theoretical background and detailed technical knowledge of the scope and application of the most significant regimes for income, deduction and timing in the Income Tax Act 2007. Involves individual research resulting in a substantial individual research essay.	15 Points	LAWCOMM 713 Intellectual Property - Level 9 Aspects of the law protecting the products of intellectual endeavour selected from: the law of trade marks and passing off, the law of copyright, patent law and the law of breach of confidence. Involves individual research resulting in a substantial individual research essay.
LAWCOMM 702 International Arbitration - Level 9 A comparative study of negotiation, litigation, arbitration and mediation in commercial contexts; New Zealand law relating to arbitration, international arbitration; and the operating and utility of mediation in commercial contexts. Involves individual research resulting in a substantial individual research essay.	30 Points	LAWCOMM 720 Law of Insurance Contracts - Level 9 The principles and operation of the law relating to insurance. Involves individual research resulting in a substantial individual research essay.
LAWCOMM 706 Competition Law and Policy - Level 9 Advanced studies in competition law and its application to international transactions and commercial relationships, with comparative study of New Zealand law with that of	30 Points	LAWCOMM 721 Patent Drafting - Level 9 The law and practice of drafting patent specifications to accompany patent applications. Involves individual research resulting in a substantial piece of research writing.
		LAWCOMM 724 Mergers and Acquisitions - Level 9 Advanced study in the law relating to business and corporate acquisitions and corporate mergers, takeovers and amalgamations, including issues affecting choice of method, directors' duties, and public and private regulation. Involves individual research resulting in a substantial individual research essay.
		LAWCOMM 730 Special Topic: Regulation of International Trade - Level 9
		LAWCOMM 731 Special Topic: Commercial Law in Asia - Level 9
		LAWCOMM 732 Special Topic: Contractual Interpretation - Level 9
		LAWCOMM 733 Special Topic: Shaping the Law in the Tech Driven Era - Level 9

LAWCOMM 735 Special Topic: Private Equity and Venture Capital – Corporate Law and Practice - Level 9	30 Points	LAWCOMM 758 Franchising Law - Level 9	30 Points
LAWCOMM 736 Special Topic: FinTech Finance and Regulations - Level 9	30 Points	A study of the law relating to franchising. Involves individual research resulting in a substantial individual research essay.	
LAWCOMM 737 Special Topic: Theories of Company Law - Level 9	30 Points	LAWCOMM 767 Special Topic: Transfer Pricing - Level 9	15 Points
LAWCOMM 738 Special Topic: IP Law in Asia-Pacific - Level 9	30 Points	LAWCOMM 768 Special Topic: Economic Analysis of the Law - Level 9	15 Points
LAWCOMM 739 Special Topic: Mergers and Acquisitions - Level 9	30 Points	LAWCOMM 769 Special Topic: Economic Regulation: Principles and Practice - Level 9	15 Points
LAWCOMM 740 Special Topic: Corporate Governance - Level 9	15 Points	LAWCOMM 770 Private International Law - Level 9	15 Points
LAWCOMM 741 Secured Transactions - Level 9	30 Points	The theory and practice of transnational jurisdiction, choice of law and recognition and enforcement of foreign judgments. Involves individual research resulting in a substantial individual research essay.	
Technical and practical aspects of the law of secured transactions. Involves individual research resulting in a substantial individual research essay.		LAWCOMM 772 Intellectual Property and Practice	15 Points
LAWCOMM 742 Remedies Law - Level 9	30 Points	An in-depth and detailed examination of the main intellectual property rights and laws and the complexities of their operation within the broader context of the New Zealand and Australian legal systems, including Te Tiriti o Waitangi, its place in the New Zealand legal system and its impact on intellectual property law.	
Advanced study of selected aspects of civil remedies for breach of civil obligations including those arising at common law and under statute, and discretionary relief in equity, and the assessment of damages and compensation. Involves individual research resulting in a substantial individual research essay.		LAWCOMM 773 Corporate Governance in New Zealand - Level 9	15 Points
LAWCOMM 744 Selected Topics in Taxation - Level 9	30 Points	The governance of companies in New Zealand, with a focus on the role of directors and the board. Topics include corporate theory, legal characteristics of the company and internal governance. Involves individual research resulting in a substantial individual research essay.	
Selected topics in taxation including: works of some of the great tax theorists and their relevance to modern tax policy formulation; current debates on questions of tax policy; aspects of international taxation; aspects of international tax planning. These are examined by reference to the tax systems of a variety of jurisdictions (such as New Zealand, the UK, the USA, Hong Kong and China). Involves individual research resulting in a substantial individual research essay.		LAWCOMM 774 Comparative Corporate Governance - Level 9	15 Points
LAWCOMM 745 Public Law in Commercial Contexts - Level 9	30 Points	A comparison of corporate governance regimes across the world. Current issues in corporate governance are examined – topics may include directors' remuneration, corporate scandals and responses to corporate scandals. Discussion of convergence of corporate governance regimes is included. Involves individual research resulting in a substantial individual research essay.	
Selected topics in the application of judicial review and other parts of public law in commercial contexts. Involves individual research resulting in a substantial individual research essay.		LAWCOMM 775A LAWCOMM 775B International Taxation	15 Points 15 Points
LAWCOMM 746 Data Privacy and the Law - Level 9	15 Points	Tests of residence for individuals and corporations. The wider tax base for off-shore income of New Zealand residents. Income derived by overseas residents from New Zealand activities. The Double Tax Treaty System. Selecting the country of residence. Anti-avoidance measures directed at transnational activity. The use of tax havens. As well as New Zealand taxation law, the course also examines the municipal revenue law of some of our trading partners. Involves individual research resulting in a substantial individual research essay.	
A comparative study of evolving global and New Zealand standards governing data privacy, the challenges they face from technological developments and the implications for business, government.		<i>Restriction: COMLAW 741</i> <i>To complete this course students must enrol in LAWCOMM 775 A and B</i>	
LAWCOMM 747 Special Topic: International Business Law - Level 9	15 Points		
LAWCOMM 748 Special Topic: Contentious Tax Disputes - Level 9	15 Points		
LAWCOMM 749 Special Topic: Tort Law at the Cutting Edge - Level 9	15 Points		
LAWCOMM 755 Corporate Finance - Level 9	30 Points		
Detailed study of the law relating to corporate finance. Involves individual research resulting in a substantial individual research essay.			

LAWCOMM 777	30 Points	Binding Ruling regime, the Commissioner's statutory powers of investigation and information gathering, the exercise of discretions and administrative decisions, and the role of judicial review.
LAWCOMM 777A	15 Points	<i>Restriction: COMLAW 753</i>
LAWCOMM 777B	15 Points	
Special Topic		
<i>Restriction: COMLAW 755</i>		
<i>To complete this course students must enrol in LAWCOMM 777 A and B, or LAWCOMM 777</i>		
LAWCOMM 778	15 Points	
Special Topic: Corporate Governance, Social and Environmental Responsibility - Level 9		
LAWCOMM 779	15 Points	
Special Topic: Asia Pacific Tax - Level 9		
LAWCOMM 780	15 Points	
Corporation and Investor Taxation		
An advanced study of the tax liability and issues affecting companies and their shareholders. Considers the different corporate tax regimes, including dividends, imputations, losses and groupings, amalgamations, LTCs and Unit Trusts. Comparison with other entities is intended to provide a deeper understanding of the policy behind New Zealand's corporate tax regimes and the allocation of the tax burden between companies, shareholders and other investors.		
<i>Restriction: COMLAW 746</i>		
LAWCOMM 782	15 Points	
Trade Mark Practice		
The law and practice of filing and registering trade mark applications in New Zealand, Australia and other international jurisdictions. The law and practice of maintaining and enforcing registered trade mark rights.		
<i>Corequisite: LAWCOMM 796</i>		
LAWCOMM 783	15 Points	
Avoidance Provisions		
An advanced study of all aspects of the general anti-avoidance provision contained in the Income Tax Act 2007. Provides a detailed analysis of the structure, function and application of the general anti-avoidance provision and of its relationship to the "black-letter" tax law. Comparisons with the statutory and common law responses to tax avoidance in other jurisdictions, including Australia, Canada, the UK and US provide a deeper understanding of the policy behind New Zealand's general anti-avoidance provision.		
<i>Restriction: COMLAW 749</i>		
LAWCOMM 784	15 Points	
Taxation of Property Transactions		
Examines all of the tax consequences of acquiring, holding, developing, building on, leasing or otherwise dealing with land and personal property.		
<i>Restriction: COMLAW 751</i>		
LAWCOMM 785	15 Points	
Patent Practice		
The law and practice of obtaining, maintaining and enforcing patent rights in New Zealand, Australia and other international jurisdictions.		
<i>Corequisite: LAWCOMM 793</i>		
LAWCOMM 786	15 Points	
Tax Administration and Disputes		
An advanced study of the Public Law and procedural issues arising from administration of the Revenue Acts in New Zealand. Provides an analysis of the powers, discretions and responsibility of the Commissioner and the Inland Revenue Department. Major topics include the Department's assessment function and taxpayer self-assessment, the		
LAWCOMM 787	15 Points	
Taxation of Trusts and Non-corporate Entities		
An advanced study of the tax liability of different business structures and their members, particularly non-corporate entities. Considers the different tax regimes applicable to trusts, partnerships and limited partnerships, Portfolio Investment Entities (PIEs), charities and Māori authorities. Comparison between these entities provides a deeper understanding of the policy behind New Zealand's tax regimes and the allocation of the tax burden between companies and other entities.		
<i>Restriction: COMLAW 756</i>		
LAWCOMM 788	15 Points	
Special Topic: Current Issues in Tax		
<i>Restriction: COMLAW 758</i>		
LAWCOMM 789	15 Points	
Research Essay in Taxation Law		
<i>Restriction: COMLAW 789</i>		
LAWCOMM 790	30 Points	
Dissertation in Taxation Law - Level 9		
<i>Restriction: COMLAW 790, 792</i>		
LAWCOMM 791	15 Points	
Patent Drafting		
The law and practice of drafting patent specifications to accompany patent applications.		
LAWCOMM 792	45 Points	
Dissertation in Taxation Law - Level 9		
LAWCOMM 793	15 Points	
Patent Law - Level 9		
Australian and New Zealand law relating to patents, including patentable subject matter, ownership, inventorship, validity requirements, patent specification requirements and the law governing infringement. The law relating to the protection of confidential information. Involves individual research resulting in a substantial piece of research writing.		
<i>Corequisite: LAWCOMM 772</i>		
<i>Restriction: LAWCOMM 462</i>		
LAWCOMM 794A	45 Points	
LAWCOMM 794B	45 Points	
Thesis in Taxation Law - Level 9		
<i>Restriction: COMLAW 794</i>		
<i>To complete this course students must enrol in LAWCOMM 794 A and B</i>		
LAWCOMM 795	15 Points	
Copyright and Design - Level 9		
An in-depth examination of the law of copyright and registered designs in New Zealand and Australia, including the relationship between copyright and design protection. Involves individual research resulting in a substantial piece of research writing.		
<i>Corequisite: LAWCOMM 772</i>		
<i>Restriction: LAWCOMM 433</i>		
LAWCOMM 796	15 Points	
Trade Marks and Related Rights - Level 9		
An examination of the law related to the protection of registered trade marks in Australia and New Zealand. Other		

legal mechanisms that protect symbols, including the law of passing off, consumer protection legislation, special events legislation and the law relating to geographical indications and domain names. Involves individual research resulting in a substantial piece of research writing.

Corequisite: LAWCOMM 772

Restriction: LAWCOMM 463

LAWCOMM 797 15 Points

Interpretation and Validity of Patent Specification

The law and practice of interpreting a patent specification for validity and infringement purposes.

Law Environmental

Stage IV

LAWENVIR 404 15 Points

Climate Change Law

An introduction to and critical examination of multi-sourced climate change law from a New Zealand perspective. Against the relevant international law backdrop, the course critically surveys and assesses domestic New Zealand climate change law including the 'zero-carbon' legislative framework, emissions trading, common law, climate change under planning and environmental law, and the emerging legal regime on managed retreat.

Prerequisite: 30 points at Stage II in Global Environment and Sustainable Development or LAW 201, 211, 231, 241

LAWENVIR 405 15 Points

Special Topic

LAWENVIR 406 15 Points

Special Topic

LAWENVIR 420 15 Points

Global Environmental Law

Concepts, principles, customs, and treaties of international law as related to the protection of the global environment including: prevention of pollution, protection of the marine environment, ozone layer protection, climate change, biodiversity, the UNCED process and the legal framework for sustainable development.

Prerequisite: 30 points at Stage II in Global Environment and Sustainable Development or LAW 201, 211, 231, 241

Restriction: LAW 433

LAWENVIR 421 15 Points

Energy and Natural Resources Law

An examination of the common law principles, legislation, and administrative controls in New Zealand relating to ownership of, prospecting for, extraction and use of, minerals (including oil and gas), alternative energy resources, forestry and fisheries resources.

Corequisite: LAW 301

Restriction: LAW 446

LAWENVIR 424 15 Points

Special Topic

LAWENVIR 425 15 Points

Special Topic

LAWENVIR 426 15 Points

Special Topic

LAWENVIR 427 15 Points

Special Topic

LAWENVIR 433 15 Points

Resource Management Law

An examination of the law relating to resource management and environmental regulation including: evolution of the sustainable management concept, consideration of national objectives, application of the Treaty of Waitangi, national standards, coastal policies, regional statements and plans, district plans, designations, heritage and conservation powers, resource consent procedures, and remedial powers and enforcement procedures.

Prerequisite: LAW 211

Restriction: LAWENVIR 401 or LAW 349 or 450 or 457

LAWENVIR 434 15 Points

Environmental Constitutionalism

Comparative constitutional examination into concepts and principles of the law related to environmental protection and sustainable development. Key areas include environmental ethics, sustainability, human rights and responsibilities, and state obligations.

Prerequisite: 30 points at Stage II in Global Environment and Sustainable Development or LAW 211

Restriction: LAWENVIR 430

Postgraduate 700 Level Courses

LAWENVIR 710 30 Points

International Environmental Law - Level 9

Selected problems of international law as related to the protection of the global environment including the present concept of international environmental law and current trends toward a global law of sustainable development, law on climate changes, the ozone layer, the marine environment, biodiversity and the implications of international environmental issues for municipal law. Involves individual research resulting in a substantial individual research essay.

LAWENVIR 712 15 Points

Mining and Energy Law - Level 9

An examination of the legal principles, government policy, regulation, and administrative control relating to ownership and exploitation of minerals (including oil and gas), and alternative energy resources in New Zealand.

Restriction: ENVLAW 710, 723, LAWENVIR 713

LAWENVIR 713 30 Points

Mining, Energy and Natural Resource Law - Level 9

Study of the common law, legislation and administrative controls in New Zealand relating to ownership of, prospecting for, extraction and use of minerals (including oils and gas), alternative energy resources, forestry and fisheries resources. Involves individual research resulting in a substantial individual research essay.

Restriction: LAWENVIR 712, 714

LAWENVIR 714 15 Points

Natural Resources Law - Level 9

An examination of the legislative framework and legal principles relating to agriculture, forestry, and fisheries activities in New Zealand. Selected topics will include: legal ownership and interests in rural land and natural resources, the role of government, Māori claims and resource development conflict resolution. Involves individual research resulting in a substantial individual research essay.

Restriction: LAWENVIR 713

LAWENVIR 716 Resource Management Law - Level 9 Studies in the New Zealand law relating to resource management and environmental regulation including: evolution of the sustainable management concept, consideration of national objectives, Treaty of Waitangi application, national standards, coastal policies, regional statements and plans, district plans, designations, heritage and conservation powers, resource consent procedures, and remedial powers and enforcement procedures. Involves individual research resulting in a substantial individual research essay.	30 Points
LAWENVIR 719 Special Topic - Level 9	30 Points
LAWENVIR 720 Special Topic - Level 9	30 Points
LAWENVIR 721 Special Topic: Ocean Governance Law - Level 9	30 Points
LAWENVIR 723 Climate Change Law - Level 9 Explores the interconnected science, policy and legal issues involved in addressing climate change. Involves individual research resulting in a substantial individual research essay.	30 Points
LAWENVIR 726 Special Topic: Nature Law - Level 9	15 Points
LAWENVIR 727 Special Topic: Climate Change Law - Level 9	15 Points
LAWENVIR 728 Special Topic: Global Environmental Law - Level 9	15 Points
LAWENVIR 729 Special Topic: Comparative Environmental Law - Level 9	30 Points
LAWENVIR 730 Special Topic - Level 9	15 Points
LAWENVIR 732 Special Topic: Selected Issues in Environmental and Natural Resources Law - Level 9	30 Points
LAWENVIR 735 Special Topic: Comparative Water and Natural Resources Law - Level 9	30 Points
LAWENVIR 736 Special Topic: Comparative Water Law and Policy - Level 9	30 Points
LAWENVIR 737 Special Topic: Global Environmental Law - Level 9	30 Points
LAWENVIR 741 Special Topic: Sustainability and Natural Resources Law - Level 9	15 Points
LAWENVIR 742 Special Topic - Level 9	15 Points
LAWENVIR 770 Global Environmental Governance - Level 9 Critical examination of the current system of international environmental governance (including policies, treaties and institutions). Areas covered include United Nations system, climate change regime, international negotiations and the role of the State. Alternative approaches such as multilevel governance, multilateral decision-making and environmental trusteeship concepts will be examined in	15 Points

terms of their origins, prospects and practical feasibility. Involves individual research resulting in a substantial individual research essay.

LAWENVIR 771
Mining and Energy Law - Level 9
15 Points

An examination of the historical development, current legislative framework and the legal principles relating to the ownership, prospecting for, extraction and use of minerals, (including oil and gas), and the development of renewable energy resources. Involves individual research resulting in a substantial individual research essay.

Restriction: LAWENVIR 713

LAWENVIR 772
Special Topic - Level 9
15 Points

LAWENVIR 773
Special Topic - Level 9
15 Points

LAWENVIR 774
Special Topic - Level 9
15 Points

LAWENVIR 777
Special Topic: Resource Management Law - Level 9
15 Points

Law General

Stage IV

LAWGENRL 400
Directed Study
5 Points

Directed study on a topic approved by the Academic Head or nominee.

Prerequisite: LAW 201, 211, 231, 241, 298 or 299

LAWGENRL 406
Complex Litigation
15 Points

The rise of globalisation and technology has created complex litigation challenges for victims of mass harms nationally and internationally. This course examines comparative theoretical, ideological and economic policies which underpin complex litigation systems with a particular focus on the use of regulatory actions, class actions and litigation funding entities. It also examines major procedural and substantive issues that arise in the context of national and international complex civil litigation.

Prerequisite: LAW 201, 211, 231, 241, 298 or 299

Restriction: LAWGENRL 457, LAWHONS 752

LAWGENRL 407
Indigenous Peoples, Criminal Law and Justice
15 Points

An examination of contemporary issues in criminal law and justice concerning Indigenous peoples in Aotearoa New Zealand and internationally. Topics covered include: Indigenous peoples' experiences of state criminal justice systems, efforts to incorporate Indigenous law and cultural practices into state criminal law and criminal justice systems, and Indigenous legal responses to wrongdoing.

Prerequisite: LAW 201

LAWGENRL 408
Technology Law and Policy
15 Points

Considers the most critical issues in the intersection between technology, law and policy. The course examines how technological change affects, and is in turn affected by, legal and policy frameworks. In particular, it focuses on emerging technologies such as artificial intelligence, blockchain and cryptocurrency, and the subsequent challenges for law and society.

Prerequisite: LAW 201, 211, 231, 241

LAWGENRL 410 Comparative Health Law and Policy An examination of domestic health care systems using a transdisciplinary lens with a specific focus on the roles that legal, economic, political, cultural, and ethical forces play in the development and regulation of health care systems around the world. Students will analyse the use of law and regulation to design and reform health care. <i>Prerequisite:</i> LAW 201, 211, 231, 241, 298 or 299	15 Points	organisation in a community context, and evaluation of the issues arising therefrom. <i>Prerequisite:</i> LAW 201, 211, 231, 241, 298 or 299 <i>Restriction:</i> LAWGENRL 405, 447	
LAWGENRL 411 History of the Law of Obligations The doctrinal history of the law of contract, tort and unjust enrichment from the twelfth century to the twentieth century. Original primary materials in the form of case law and legal treatises are considered. <i>Prerequisite:</i> LAW 231, 241 <i>Restriction:</i> LAWGENRL 445, LAWHONS 740	15 Points	LAWGENRL 419 Special Topic LAWGENRL 421 Civil Procedure Studies in civil processes and procedures, with a focus on the New Zealand Senior Courts (High Court, Court of Appeal, Supreme Court). Covers commencement of proceedings (stating a case and a defence), case management processes, interlocutory steps, discovery, evidence and trial processes, costs and appellate procedures. <i>Prerequisite:</i> LAW 201, 211, 231, 241 <i>Restriction:</i> LAW 413	15 Points 15 Points
LAWGENRL 412 Special Topic LAWGENRL 413 Animals and the Law The history, philosophy, and ethics of humanity's treatment of animals; relevant legislation and case law. Topics include: the development of the humane movement; consideration of whether all animals should be treated as property and the justification for such an approach; the development of animal protection legislation and what it does for animals; and the emergence of a concept of Animal Rights; the use of animals in farming, entertainment, research, and in a companion animal context; enforcement and sentencing of animal welfare offending; and international trends and developments in animal law. <i>Prerequisite:</i> LAW 211 <i>Restriction:</i> LAW 462, LAWGENRL 442	15 Points 15 Points	LAWGENRL 422 Women and the Law A study of the dual role of law in addressing and maintaining gender inequality, feminist thought on the gendered nature of law, and specific legal issues relevant to the status and interests of women in society. <i>Prerequisite:</i> LAW 201, 211 <i>Restriction:</i> LAW 437	15 Points
LAWGENRL 414 “Justice” in Sentencing Concepts of “Justice” in the sentencing process in Aotearoa are examined and critiqued from multiple perspectives with a particular focus on te ao Māori and an emphasis on the practical elements involved in sentencing advocacy. <i>Prerequisite:</i> LAW 201 <i>Restriction:</i> LAWGENRL 456	15 Points	LAWGENRL 423 Legal History Historical analysis of problems currently facing the law in Aotearoa New Zealand with reference to both English sources and indigenous developments. <i>Prerequisite:</i> LAW 211 <i>Restriction:</i> LAW 441	15 Points
LAWGENRL 415 Evidence An overview of the rules related to the presentation of proof in New Zealand courts (civil and criminal) and tribunals, including the rules relating to hearsay, opinion evidence, privilege, examination of witnesses, confessions and the exclusion of illegally obtained evidence. <i>Prerequisite:</i> LAW 201, 231 <i>Restriction:</i> LAW 425, LAWGENRL 401	15 Points	LAWGENRL 424 Negotiation, Mediation and Dispute Resolution An introduction to negotiation, mediation and dispute resolution covering: (i) a conceptual study of these processes including the study of the function of law, roles of lawyer, ethics, analysis, cultural and socio-economic factors; and (ii) a practical study of these processes including criteria for choosing resolution methods, techniques, attitudes, problem solving strategies, communication techniques, and effectiveness. <i>Restriction:</i> LAW 447	15 Points
LAWGENRL 416 Directed Study Directed study on a topic approved by the Academic Head or nominee. <i>Prerequisite:</i> LAW 201, 211, 231, 241	10 Points	LAWGENRL 425 Psychiatry and the Law A general introduction to the formal relationship between psychiatry and law; the legal processes affecting compulsory assessment and treatment, including consideration of constitutional and cultural issues, patients rights and the review process; and the law and practice concerning forensic patients. <i>Prerequisite:</i> LAW 201 <i>Restriction:</i> LAW 448	15 Points
LAWGENRL 417 Special Topic LAWGENRL 418 Community Law Internship Participation in and report on an approved internship involving at least 115 hours internship with an approved	15 Points 15 Points	LAWGENRL 426 Roman Law The significance of Roman Law as an enduring legacy from the ancient world to the modern; a study of the sources and historical development of Roman law; and a study of selected aspects of Roman law with a focus on the law of obligations: contract, quasi-contract, delict, quasi-delict. Translations of original primary materials in the form of the Institutes of Gaius, Justinian's Institutes and Justinian's Digest are considered. <i>Prerequisite:</i> LAW 231, 241	15 Points

LAWGENRL 427 15 Points**Equitable Remedies**

Examination of the more important remedies and orders granted in the court's equitable jurisdiction (excluding constructive trusts). Particular attention is directed to remedies in aid of judgment and interlocutory orders to maintain the court's authority over the parties or their property.

Prerequisite: LAW 306

Restriction: LAW 481

LAWGENRL 428 15 Points**South Pacific Legal Studies**

Legal study of Pacific Island states located in the regions of Micronesia, Melanesia and Polynesia. Distinctive features of law arising in Pacific states, for example sources of law; relationships between custom and imported concepts of law; legal pluralism; corruption and anti-corruption measures; democracy and governance; land law; constitutional crises and constitutional developments; environmental and trade issues; regional issues; human rights issues.

Prerequisite: 30 points at Stage II in International Relations and Business or LAW 271

Restriction: LAW 486

LAWGENRL 429 15 Points**Law of Family Property**

Advanced study of the law of property in family contexts, including trusts, succession, and matrimonial property.

Corequisite: LAW 306

Restriction: LAW 445

LAWGENRL 430 15 Points**Advanced Family Law**

Advanced problems in selected areas of family law.

Prerequisite: LAWGENRL 402 or 433

Restriction: LAW 407

LAWGENRL 432 15 Points**Healthcare Law**

An introduction to the legal and ethical issues related to health care delivery including: the purchase and provision of health services, the relationship between health providers and consumers, professional accountability, codes of rights, legal and ethical issues at the start and end of life, and biomedical research.

Prerequisite: LAW 271, 231

Restriction: LAW 427

LAWGENRL 433 15 Points**Family Law**

The law relating to cohabitation and marriage, the establishment of parenthood, and the relationship between parent and child. Study of the interrelationship between the state, the family and child protection and support.

Prerequisite: LAW 271

Restriction: LAW 426, LAWGENRL 402

LAWGENRL 434 15 Points**Trial Advocacy**

Examines the principles of trial advocacy in both civil and criminal cases; practical instruction; related procedural, tactical and ethical issues.

Prerequisite: LAW 301, 306

Corequisite: LAWGENRL 401 or 415

Restriction: LAW 347, 410, LAWGENRL 420, LAWHONS 707

LAWGENRL 435 15 Points**Theories of Private Law**

Different theories of private law and how it leads to

different solutions to concrete legal questions. This course explores some of the main schools of normative thought in contemporary private law theory. It examines the key concepts and values associated with each theory before considering different theoretical frameworks for understanding two of the main categories of private law: property and contract.

Prerequisite: LAW 231, 241

Restriction: LAWHONS 739

LAWGENRL 436 15 Points**Air and Space Law**

Examines important aspects of international air and space law using examples of how the international law has been implemented and applied in the New Zealand legal system including topical aviation industry issues.

Prerequisite: LAW 271, 241

LAWGENRL 438 10 Points**Housing Law and Policy**

An examination of the law and the policy considerations that relate to residential housing including: the historical development and current state of residential tenancy protection legislation; the relationship between social policy and housing regulation; human rights and social equity considerations; economic measures to achieve government policy objectives for housing; regulating the private rental market; property rights and security of tenure issues; 'consumer protection' measures to ensure safe and habitable housing; housing and natural disasters; retirement housing; new forms of housing ownership; and dispute resolution.

Prerequisite: LAW 301

LAWGENRL 439 15 Points**Housing Law and Policy**

An examination of the law and policy relating to residential housing including: human rights and social equity considerations; the role of government and social policy on housing; forms of housing ownership; residential tenancy legislation; regulating the private rental market; measures to ensure safe and habitable housing; retirement housing; housing for disabled persons; and housing following natural disasters.

Prerequisite: LAW 301

Restriction: LAWGENRL 438

LAWGENRL 452 15 Points**Appellate Advocacy**

General principles of appellate advocacy in both civil and criminal cases; practical instruction; related procedural, tactical and ethical issues.

Prerequisite: LAW 301, 306

Corequisite: LAWGENRL 401 or 415

Restriction: LAW 347, 410, LAWGENRL 420, LAWHONS 707

LAWGENRL 453 15 Points**Privacy Law**

An examination of the Law relating to privacy in New Zealand with special reference to the common law protection of privacy; the protection of privacy under the Broadcasting Act 1989; and the scope and application of the Privacy Act 2020.

Prerequisite: LAW 271, 231

Restriction: LAWPUBL 453, LAWHONS 744

LAWGENRL 454 15 Points**Youth Justice**

A study of how children and young people interact with and are treated by the criminal justice system of Aotearoa

New Zealand, with comparison to developments in other jurisdictions. Topics may include: causes and responses to youth offending; youth as victims and participants in the criminal process; responses to Māori youth; gender; Family Group Conferences; Rangatahi Courts; and child imprisonment.

Prerequisite: LAW 201

Restriction: LAWGENRL 440

LAWGENRL 458 15 Points

Pasifika Peoples and the Law

Undeniably, Pasifika peoples in Aotearoa experience a number of inequalities. However, the complex relationships between these inequalities and the law are rarely explored in legal education and scholarship. Therefore, this course aims to give students an understanding of these relationships by encouraging the use of critical perspectives to examine a range of socio-legal issues facing Pasifika communities in Aotearoa today.

Prerequisite: LAW 201, 211, and 298 or 299

LAWGENRL 459 15 Points

Race and the Law

Explores the relationship between race, power and the law in Aotearoa and beyond. Areas of focus will include the changing conceptualisations of race, racism, discrimination, implicit and institutional bias. Students will also examine approaches to racial justice (from Critical Race Theory to Abolition movements) and consider how they understand and address the issues facing communities of colour today.

Prerequisite: LAW 201, 211, 231, 241, 298 or 299

LAWGENRL 460 15 Points

International Mooting

Students selected to represent the Faculty of Law in approved international mooting competitions will complete independent research, draft written submissions and present oral argument on complex areas of international law which will be overseen by faculty advisers.

Prerequisite: LAW 201, 211, 231, 241, 298 or 299

LAWGENRL 461 15 Points

Special Topic

LAWGENRL 462 15 Points

Law and Popular Culture

An exploration of the intersection between law and popular culture that considers how legal concepts, processes, actors, institutions and issues are portrayed, critiqued, and shaped by popular depictions in film and television.

Corequisite: LAW 316

LAWGENRL 464 15 Points

Introduction to Common Law

The history, nature and evolution of the Common Law; common law reasoning; the interaction of case law and legislation in a common law system.

Restriction: LAW 472, LAWGENRL 443

LAWGENRL 465 15 Points

Contemporary Issues in Land Law

Study of selected contemporary issues in real property. Topics may include: legal theory of real property; the constitution and takings of private property; state regulation of private property; the law of public recreational access, particularly to the waterfront; indigenous challenges to Crown ownership and governance of land, including the beds of water bodies and national parks; the aims of the Torrens system; and implications of reform of the Land

Transfer Act 1952, in particular relating to land covenants, fraud and exceptions to indefeasibility.

Prerequisite: LAW 301

Restriction: LAWGENRL 444

LAWGENRL 467 15 Points

Pacific People in Aotearoa: Legal Peripheries

Examines and critiques certain areas and aspects of the law and legal system in New Zealand of particular relevance for Pacific people and communities.

Prerequisite: LAW 211

Restriction: LAWGENRL 446

LAWGENRL 469 15 Points

Selected Topics in Health Care Law

A selection of topics designed to consolidate and advance understanding of the theory and practice of health care law. The topics covered will vary according to current legal developments, but are likely to include: the law relating to human research and experimentation; legal and ethical issues in abortion, human reproduction, and assisted reproductive technologies; organ and tissue donation; the sterilisation of mental incompetents; the regulation of health professions, medical manslaughter and the disciplinary process; legal issues arising in human genetics, stem cell research, human reproductive cloning. An opportunity for an in-depth examination of relevant, current legal developments relating to health professional practice and patients' rights.

Prerequisite: LAW 211, 231

Restriction: LAW 468, LAWGENRL 448

LAWGENRL 470 15 Points

Selected Topics in Media Law

The law governing the media and journalists. Topics to be covered will include some of: defamation, contempt of court, breach of confidence, privacy, the broadcasting legislation, censorship and copyright.

Prerequisite: LAW 211, 231

Restriction: LAWGENRL 449, LAWHONS 721

LAWGENRL 471 15 Points

Public Authority Liability

Detailed consideration of the bases in both public and private law on which public authorities or the Crown may be liable to compensate private individuals or entities, and the debates surrounding this issue; the interface between private and public law.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAW 466, LAWGENRL 450, LAWHONS 742, LAWPUBL 450

LAWGENRL 472 15 Points

Economic Analysis of Public and Private Law

Examines the role economic thinking can play in legal reasoning. Key economic concepts. Economic analysis applied to tort and contract law, constitutional and public international law, and judicial decision-making.

Prerequisite: LAW 211, 231, 241

Restriction: LAWGENRL 455

Postgraduate 700 Level Courses

LAWGENRL 702 30 Points

Foundations of Human Rights - Level 9

A study of the moral and jurisprudential basis for human rights and for their protection through law including a study of the major theories of justice and rights. Involves individual research resulting in a substantial individual research essay.

LAWGENRL 711	30 Points	LAWGENRL 725	15 Points
Special Topic: Corruption: Comparative and International Approaches - Level 9		Special Topic: Human Rights in their Commercial Context in Aotearoa - Level 9	
LAWGENRL 712	30 Points	LAWGENRL 726	15 Points
Therapeutic Jurisprudence - Level 9		Special Topic - Level 9	
The role of the law as a therapeutic agent. The impact of the law on emotional life and psychological wellbeing. Investigation of different areas of the practice of law that may be susceptible to a therapeutic jurisprudence analysis, including drug treatment and mental health courts. Involves individual research resulting in a substantial individual research essay.		LAWGENRL 727	15 Points
		Special Topic: Health Law - Level 9	
LAWGENRL 713	30 Points	LAWGENRL 728	15 Points
Selected Issues in Family Law - Level 9		Special Topic - Level 9	
LAWGENRL 714	30 Points	LAWGENRL 729	15 Points
Restorative and Therapeutic Justice - Level 9		Special Topic - Level 9	
LAWGENRL 715	30 Points	LAWGENRL 730	15 Points
Special Topic: Comparative Crime - Level 9		Special Topic: Psychiatry and the Law - Level 9	
LAWGENRL 716	15 Points	LAWGENRL 731	15 Points
Special Topic: Secured Transactions: Practical - Level 9		Special Topic - Level 9	
LAWGENRL 717	15 Points	LAWGENRL 732	15 Points
Special Topic - Level 9		Special Topic - Level 9	
LAWGENRL 718	15 Points	LAWGENRL 770	15 Points
Special Topic: Employment Law: Personal Grievance - Level 9		Ideas of Land - Level 9	
LAWGENRL 719	30 Points	An exploration of the challenges posed to legal thinking by social and environmental issues in the twenty-first century. Examination of some central tensions in the theory of property law. The history of common law ideas of land. Debates about theories of property in light of selected current issues in the law. Involves individual research resulting in a substantial individual research essay.	
Special Topic: Law and Computer Science - Level 9		LAWGENRL 771	15 Points
LAWGENRL 720	30 Points	Mediation Theory and Practice - Level 9	
Law of Evidence - Level 9		The mediation process, advantages and disadvantages of mediation, the landscape of mediation in New Zealand and internationally, some basic legal framework issues, the role of mediation in the civil justice system, consideration of some issues surrounding ethics, gender and race dynamics and online mediation. Involves individual research resulting in a substantial individual research essay.	
Fundamental principles and policies central to the law of evidence in modern times; consideration of how successfully these competing principles and policies are balanced within New Zealand's legislation governing the admission of evidence: the Evidence Act 2006. Using examples from New Zealand and abroad, consideration of how these principles and policies interact in particular cases in criminal proceedings. Involves individual research resulting in a substantial individual research essay.		LAWGENRL 772	15 Points
LAWGENRL 721	30 Points	Mediation Advocacy - Level 9	
Mediation - Level 9		A study of the practice and skills of representing clients effectively in mediation including tactical and ethical issues facing mediators. The relevant legal framework in detail, including the enforceability of mediation agreements, confidentiality and privilege issues, power dynamics and how to deal with common problems in mediation. Involves individual research resulting in a substantial individual research essay.	
The nature of mediation and its strategic advantages and disadvantages, the legal framework of mediation (including the limits of confidentiality and privilege), negotiation theory and effective client representation in mediation. A central focus on current theoretical issues in dispute resolution such as ethical dilemmas, power dynamics in mediation and the future of the justice system. Involves individual research resulting in a substantial individual research essay.		LAWGENRL 773	15 Points
LAWGENRL 722	15 Points	Theoretical Issues in Therapeutic Jurisprudence - Level 9	
Comparative Law - Level 9		An exploration of the theoretical underpinnings of the idea of law as a therapeutic agent. Involves individual research resulting in a substantial individual research essay.	
Comparative law, theory and methodology. Involves individual research resulting in a substantial individual research essay.		LAWGENRL 774	15 Points
LAWGENRL 723	15 Points	The Practice of Therapeutic Jurisprudence - Level 9	
Special Topic: Selected Topics in Law of Evidence and Criminal Procedure - Level 9		Building on Theoretical Issues in Therapeutic Jurisprudence, this course investigates different areas of the practice of law that may be susceptible to a therapeutic jurisprudence analysis, including drug treatment and mental health courts. Involves individual research resulting in a substantial individual research essay.	
LAWGENRL 724	15 Points	<i>Prerequisite: LAWGENRL 773</i>	
Miscarriage of Justice - Level 9			

Law Honours

Postgraduate 700 Level Courses

LAWHONS 702A 10 Points

LAWHONS 702B 10 Points

Human Rights

The legal modes for protection of human rights, including the New Zealand Bill of Rights Act 1990 and the Human Rights Act 1993, freedom of expression and religion, criminal procedural rights, equality, and the prohibited grounds of discrimination.

Restriction: LAW 342, 452

To complete this course students must enrol in LAWHONS 702 A and B

LAWHONS 706A 10 Points

LAWHONS 706B 10 Points

Criminal Law and Policy

An in-depth analysis of current issues in substantive and procedural criminal law including: the role and function of forensic experts, developments in criminal law, criminal justice theory and criminal law reform.

Restriction: LAW 346

To complete this course students must enrol in LAWHONS 706 A and B

LAWHONS 716A 10 Points

LAWHONS 716B 10 Points

Legal History

Historical analysis of problems currently facing the law in Aotearoa New Zealand with reference to both English sources and indigenous developments.

Restriction: LAW 356

To complete this course students must enrol in LAWHONS 716 A and B

LAWHONS 720A 10 Points

LAWHONS 720B 10 Points

Maritime Law

A study of the law governing ships including: the ownership of and property in ships, charter parties, ship mortgages, law of carriage, shipboard crimes and torts, the law of collision, salvage, wrecks, the admiralty jurisdiction of the courts, national shipping laws, the international regulatory framework, the conflict of laws rules applicable to admiralty disputes and marine insurance.

Restriction: LAW 360

To complete this course students must enrol in LAWHONS 720 A and B

LAWHONS 721A 10 Points

LAWHONS 721B 10 Points

Media Law

Topics on the law governing the media and journalists including: defamation, contempt of court, breach of confidence, privacy, the broadcasting legislation, censorship and copyright.

Restriction: LAW 361, LAWGENRL 449

To complete this course students must enrol in LAWHONS 721 A and B

LAWHONS 722A 10 Points

LAWHONS 722B 10 Points

Health Law and Policy

Selected studies in the relationship between law and medicine including: the purchase and provision of health services, the relationship between health providers and consumers, professional accountability, codes of rights,

legal and ethical issues at the start and end of life, and biomedical research.

Restriction: LAW 362

To complete this course students must enrol in LAWHONS 722 A and B

LAWHONS 728A 10 Points

LAWHONS 728B 10 Points

Studies in Public Law

Advanced studies in respect of the principles and workings of the New Zealand constitution, the powers, privileges and immunities of the three branches of government, the exercise and control of government power and the relationship between the individual and the state (including the position of Māori under the Treaty of Waitangi).

Restriction: LAW 368, 403, 404

To complete this course students must enrol in LAWHONS 728 A and B

LAWHONS 729A 10 Points

LAWHONS 729B 10 Points

Studies in Torts

A study of policy issues in the law of tort, developments in the law of negligence, the economic torts, breach of statutory duty, invasion of privacy, informed consent, defences and remedies.

Restriction: LAW 369

To complete this course students must enrol in LAWHONS 729 A and B

LAWHONS 733A 10 Points

LAWHONS 733B 10 Points

Studies in Contract Law

Advanced studies of selected topics in contract law (and related areas), which may include consideration of the history of contract law, various jurisprudential and/or comparative approaches to contract law, various doctrines of contract law, the law of remedies and statutory reform of contract law.

Restriction: LAW 383

To complete this course students must enrol in LAWHONS 733 A and B

LAWHONS 734A 10 Points

LAWHONS 734B 10 Points

Issues in Insurance Law

A consideration of the law governing insurance contracts, including the duty of utmost good faith; the interpretation of the policy; the scope of cover; warranties and conditions; the claims process and fraudulent claims; and quantification of the insurer's obligations; subrogation and recoupment; and third party rights.

Restriction: LAW 384, 431, LAWCOMM 424, 453

Restriction: LAWCOMM 424, 453

To complete this course students must enrol in LAWHONS 734 A and B

LAWHONS 735A 10 Points

LAWHONS 735B 10 Points

Corruption and Democracy

Corruption has devastating implications for self-government. This seminar explores how corruption manifests within democracies specifically: the impact of corruption on democratic values and priorities; the inequalities it creates within political and economic systems; the environmental destruction and the potential for human

rights violations it creates - all from the perspective of distinct sources of law including constitutions and treaties.

Restriction: LAW 385, LAWPUBL 467

To complete this course students must enrol in LAWHONS 735 A and B

LAWHONS 736A 10 Points
LAWHONS 736B 10 Points

Topics in International Law

An in-depth analysis of selected topics in historical and contemporary international law, the aim of which is to provide students with a deeper appreciation of the theoretical debates in the discipline, as well as a broader understanding of the topics being studied.

Corequisite: LAW 435 or LAWPUBL 402

To complete this course students must enrol in LAWHONS 736 A and B

LAWHONS 737A 10 Points
LAWHONS 737B 10 Points

Law of Agency

A study of the principles of agency law and selected applications thereof.

To complete this course students must enrol in LAWHONS 737 A and B

LAWHONS 738A 10 Points
LAWHONS 738B 10 Points

Studies in Company Law and Contract Law

An advanced study of selected topics in the areas of company law and contract law, including the relationship between directors, theories of the company, comparative corporate law, shareholders and the company, consideration of the history of contract law, various jurisprudential and/or comparative approaches to contract law, various doctrines of contract law and potential statutory reform of contract law.

Corequisite: LAWCOMM 402

To complete this course students must enrol in LAWHONS 738 A and B

LAWHONS 739A 10 Points
LAWHONS 739B 10 Points

Theoretical Foundations of Private Law

Explores some of the main schools of thought in contemporary private law theory, including formalism, realism, economic analysis and critical legal studies. Examines the key concepts and values associated with each theory before considering different theoretical frameworks for understanding two of the main categories of private law: property and contract.

To complete this course students must enrol in LAWHONS 739 A and B

LAWHONS 740A 10 Points
LAWHONS 740B 10 Points

The History of the Law of Obligations

The doctrinal history of the law of contract, tort and unjust enrichment from the twelfth century to the twentieth century. Original primary materials in the form of case law and legal treatises are considered.

Restriction: LAW 356, LAWGENRL 445

To complete this course students must enrol in LAWHONS 740 A and B

LAWHONS 741A 10 Points
LAWHONS 741B 10 Points

Indigenous Peoples and the Law

An overall consideration of Indigenous peoples in

international, constitutional and human rights law in New Zealand and internationally.

Restriction: LAWPUBL 446

To complete this course students must enrol in LAWHONS 741 A and B

LAWHONS 742A 10 Points
LAWHONS 742B 10 Points

Public Authority Liability

Covers the various public and private law bases for monetary liability of public authorities (with a focus on Torts); the doctrinal and policy debates surrounding such liability; the uncertain interface between private and public law.

Restriction: LAW 466, LAWGENRL 450, LAWPUBL 450

To complete this course students must enrol in LAWHONS 742 A and B

LAWHONS 743A 10 Points
LAWHONS 743B 10 Points

Refugee and Immigration Law

Advanced studies on a range of refugee and immigration law matters including: the history and development of the international refugee system, changing understandings of refugees, detention systems and camps, people smuggling, themes in New Zealand immigration law history, the securitisation of immigration law and prospects of a borderless world. The course will incorporate history, theory, policy and critical analysis.

To complete this course students must enrol in LAWHONS 743 A and B

LAWHONS 744 20 Points
LAWHONS 744A 10 Points
LAWHONS 744B 10 Points

Special Topic: Privacy Law

To complete this course students must enrol in LAWHONS 744 A and B, or LAWHONS 744

LAWHONS 745 20 Points
Corporate Governance

A study of the governance of corporations adopting comparative, and law-and-economics perspectives including the role and obligations of the board, the legal and economic relationships between corporate constituents, and trends and developments in corporate governance.

LAWHONS 746A 10 Points
LAWHONS 746B 10 Points

Concepts in Law and Security

An in-depth analysis of theoretical concepts related to law and security. The aims of the course are to introduce students to key concepts in the relevant academic discourse, to explore the ways in which these concepts frame discussions regarding law and security in the post-9/11 era, and to examine the extent to which those concepts influence policy, practice and discourse.

To complete this course students must enrol in LAWHONS 746 A and B

LAWHONS 747A 10 Points
LAWHONS 747B 10 Points

Law of Restitution

A study of the law of just restitution, including its general principles, the concept of unjust enrichment, and the relationship of the subject with other areas of law, including the law of property, contract law, and the law of tort. Consideration is also given to selected areas of practical application, such as the reversal of transfers for mistake,

impaired judgement, duress and failure of conditions, and profiting from wrongs.

To complete this course students must enrol in LAWHONS 747 A and B

LAWHONS 748A 10 Points
LAWHONS 748B 10 Points

Special Topic: International Taxation

Tests of residence for individuals and corporations. The wider tax base for off-shore income of New Zealand residents. Income derived by overseas residents from New Zealand activities. The Double Tax Treaty System. Selecting the country of residence. Anti-avoidance measures directed at transnational activity. The use of tax havens. As well as New Zealand taxation law, the course also examines the municipal revenue law of some of our trading partners. Involves individual research resulting in a substantial individual research essay.

To complete this course students must enrol in LAWHONS 748 A and B

LAWHONS 749A 10 Points
LAWHONS 749B 10 Points

Special Topic: Global Environmental Law

Examines environmental law and governance from the international, regional and national levels. The global coverage includes international environmental law and draws on experiences from the European Union, United States, Canada, South America, Australia and New Zealand. The topics include state sovereignty, the UN system, principles and sources of international environmental law, climate change, biodiversity, human rights and current developments in global and domestic environmental governance.

To complete this course students must enrol in LAWHONS 749 A and B

LAWHONS 750A 10 Points
LAWHONS 750B 10 Points

Special Topic: Tax Law and Policy

Covers tax law and policy generally including: theoretical aspects of tax system design; New Zealand's system of income tax and GST; problems such as tax avoidance and the taxation of large, heavily digitalized multinational enterprises; and possibilities for reform such as capital gains tax and death duties.

Corequisite: LAWCOMM 403

To complete this course students must enrol in LAWHONS 750 A and B

LAWHONS 751A 10 Points
LAWHONS 751B 10 Points

Special Topic: International Peace and Security

Covers the principal schools of political thought on the place of private law in modern society, including libertarian, Marxist, egalitarian, and neo-liberal theories. Discusses the political stakes involved in structuring and regulating private transactions. Evaluates the appropriateness of different modalities of generating private law, including traditional adjudication, democratic legislation, and the work of private legislatures.

Restriction: LAWCOMM 465

To complete this course students must enrol in LAWHONS 751 A and B

LAWHONS 752A 10 Points
LAWHONS 752B 10 Points

Special Topic: Complex Litigation

The rise of globalisation and technology has created

complex litigation challenges for victims of mass harms. This course examines comparative theoretical, ideological and economic policies which underpin complex litigation systems with a particular focus on the use of regulatory actions, class actions and litigation funding entities. It also examines major procedural and substantive issues that arise in complex civil litigation.

Restriction: LAWGENRL 406, 457

To complete this course students must enrol in LAWHONS 752 A and B

LAWHONS 753A 10 Points
LAWHONS 753B 10 Points

Special Topic: Restorative and Therapeutic Justice

To complete this course students must enrol in LAWHONS 753 A and B

LAWHONS 754A 10 Points
LAWHONS 754B 10 Points

Special Topic: Regulation of International Trade

To complete this course students must enrol in LAWHONS 754 A and B

LAWHONS 755A 10 Points
LAWHONS 755B 10 Points

Mātauranga Māori and Taonga

A study of Indigenous intellectual property and cultural property. Considers how Māori and the Crown may address the Crown's breaches of its guarantee in Te Tiriti o Waitangi 1840 to allow Māori to exercise tino rangatiratanga (the unqualified exercise of chieftainship) over mātauranga Māori (the body of knowledge originating from Māori ancestors) and taonga (tangible and intangible treasures).

Restriction: LAWPUBL 468

To complete this course students must enrol in LAWHONS 755 A and B

LAWHONS 756A 10 Points
LAWHONS 756B 10 Points

Legal and Political Theory

An exploration of how agents, institutions and practices can affect people's normative situation; the nature of legal argumentation and adjudication; the relation of legality to the use of organised force; the individual's moral rights and duties that obtain because of the law; the individual's moral rights against their government; the justification of political authority and the character of political obligation.

Corequisite: LAW 316

To complete this course students must enrol in LAWHONS 756 A and B

LAWHONS 789 40 Points
Dissertation - Level 9

A dissertation of approximately 15,000 words resulting from original research of the student, having the scope, and depth of research, of a competent law review article. The topic of the dissertation needs the approval of the Dean of Faculty of Law.

Restriction: LAW 789

Law Public

Stage IV

LAWPUBL 400 15 Points
Social Justice Lawyering

A clinical legal education course that provides students with real-life lawyering opportunities under the mentorship of experienced practitioners. Students will attend preparatory

seminars and trainings and then work alongside legal practitioners to apply these skills in a real-life context.

Prerequisite: LAW 201, 211, 231, 241, 398 or 458

LAWPUBL 405 **15 Points**
Law and Social Justice

The role of law and legal practice in the advancement of social justice, including an introduction to theories of social justice and their application in diverse areas of social policy including criminal justice, housing, welfare, immigration, tax, and in relation to the Māori and Pasifika dimensions of Aotearoa New Zealand.

Prerequisite: LAW 201 and 211

LAWPUBL 406 **15 Points**
Advanced Criminal Law

An examination of a selected range of the more difficult but significant areas of legal doctrine and policy that arise in the criminal law and which are not covered in the introductory Part II course on criminal law. Topics covered in this course include: the law on inchoate offences, property offences (other than theft), the insanity defence and party liability.

Prerequisite: LAW 201

LAWPUBL 407 **15 Points**
Advanced Employment Law

Advanced study of selected issues in employment law including legal developments relating to modern slavery, health and safety, independent contractors, work-related personal injury, whistleblowing, fair pay agreements, social media, workplace investigations, education law, sports law, health law and transfer of undertakings. Involves individual research resulting in a substantial individual research essay.

Prerequisite: LAWPUBL 425

Restriction: LAW 460, LAWPUBL 457

LAWPUBL 408 **15 Points**
International Organisations

An introduction to the law, practice, and politics of international organisations such as the United Nations, technical agencies, and international financial institutions, including: the historical evolution of international organisations; and cross-cutting doctrinal issues such as membership, organs, decision-making, legal powers, and accountability.

Prerequisite: LAW 211

LAWPUBL 409 **15 Points**

LAWPUBL 409A **10 Points**

LAWPUBL 409B **5 Points**

Special Topic

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAWPUBL 470

To complete this course students must enrol in LAWPUBL 409 A and B

LAWPUBL 410 **15 Points**
International Law

An introduction to public international law including an overview of the current legal framework, the sources of international law, the law of treaties, international personality, state responsibility, international dispute resolution and selected current issues.

Prerequisite: 30 points at Stage II in Global Politics and Human Rights or LAW 211, 231, 241

Restriction: LAW 435, LAWPUBL 402

LAWPUBL 411 **15 Points**
Local Government Law

The law relating to the structure, powers and service

delivery functions of local government. Examines the history of local government, powers and administrative principles, civil liability, elections, council procedures, works contracts, land valuation, rating systems, environmental functions, bylaws, licensing, roads, public reserves, community services, and civil defence.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAWPUBL 471

LAWPUBL 413 **15 Points**
Protecting Refugees and Forced Displacement in the 21st Century: Contemporary Law and Practice

Detailed study of contemporary law and practice relating to the protection of refugees and forcibly displaced people. The intersection of international law with other disciplines, including international relations, development, peace and security, and social studies, provides a broad base to understand applicable legal, political and social policies and discourse to protect displaced people in the twenty-first century.

Prerequisite: 30 points at Stage II in Global Politics and Human Rights or LAW 201, 211, 231, 241

LAWPUBL 414 **15 Points**
Administrative Law

A study of the general principles of judicial review of administrative action, including the ultra vires principle, the substantive and procedural restraints on the exercise of public power, and the remedies available for breach of these principles.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAW 402, 440, LAWPUBL 401, 426

LAWPUBL 417 **15 Points**
Special Topic: Comparative Criminal Law: Aotearoa New Zealand and the USA

An examination of criminal law and criminal justice in the United States and Aotearoa New Zealand, with an emphasis on how different histories and values have shaped and continue to shape the criminal justice systems of these jurisdictions.

LAWPUBL 420 **15 Points**
Contemporary Issues in Criminal Justice

An examination of selected contemporary issues in criminal justice in Aotearoa New Zealand. Topics may include: whether the criminal justice system in Aotearoa is fit for purpose; punishment and imprisonment; victims and the criminal process; restorative justice; therapeutic jurisprudence; solution-focused courts; family violence; Indigenous peoples and the criminal justice system; media and crime. The focus is on law-in-action and law-in-context.

Prerequisite: LAW 201

Restriction: LAW 406, LAWPUBL 463

LAWPUBL 421 **15 Points**
Advanced International Law

Advanced studies in selected areas of the law of nations; a critical analysis of existing and developing international law, and consideration of the relationship between law, economics, politics and international diplomacy.

Prerequisite: LAW 435 or LAWPUBL 402, 410

Restriction: LAW 408, LAWPUBL 403, 459

LAWPUBL 422 **15 Points**
Contemporary Tiriti/Treaty Issues

Contemporary legal issues arising under Te Tiriti o Waitangi.

Prerequisite: LAW 211

Restriction: LAW 421

LAWPUBL 425 15 Points**Employment Law**

A study of individual and collective employment agreements and the underlying statutory framework of employment law in New Zealand including the Employment Relations Act 2000, Human Rights Act 1993, Privacy Act 2020, Holidays Act 2003, Minimum Wages Act 1983, Wages Protection Act 1983, Equal Pay Act 1972, and Parental Leave and Employment Protection Act 1987.

Prerequisite: LAW 231, 241

Restriction: LAW 430

LAWPUBL 426 15 Points**Judicial Review**

A study of the general principles of judicial review of administrative action, and remedies available for breach of those principles.

Prerequisite: LAW 211

Restriction: LAW 402, 440, LAWPUBL 401, 414

LAWPUBL 427 15 Points**Māori Land Law**

Customary Māori land tenure and legal issues arising under Te Ture Whenua Māori Act 1993.

Corequisite: LAW 301

Restriction: LAW 359, 444, LAWHONS 719

LAWPUBL 428 15 Points**Rights and Freedoms**

The legal modes for protection of civil rights including study of the New Zealand Bill of Rights Act 1990, the Human Rights Act 1993, freedom of speech and religion, criminal procedural rights, equality and the prohibited grounds of discrimination.

Prerequisite: LAW 211

Restriction: LAW 342, 452, LAWHONS 702

LAWPUBL 430 15 Points**Criminal Procedure**

The rules governing the conduct of criminal trials and the investigation of crime. Changes to criminal procedure brought about by judicial interpretation of the New Zealand Bill of Rights Act 1990. Selected topics which may include: search and seizure, name suppression, right to counsel, exclusion of evidence, bail, juries, trial delay.

Prerequisite: LAW 201

Restriction: LAW 482

LAWPUBL 431 15 Points**Advanced Public Law**

Advanced studies in selected areas of Public Law.

Prerequisite: LAW 211

Restriction: LAW 483

LAWPUBL 432 15 Points**International Economic Regulation**

The growing array of trade and investment, or economic integration, agreements at the multilateral, regional and bilateral levels. Core concepts, theories, institutions and rules from the perspective of public international law, as well as the realpolitik of trade negotiations.

Prerequisite: 30 points at Stage II in International Relations and Business or LAW 211

Restriction: LAW 485

LAWPUBL 434 15 Points**International Criminal Law**

The evolution of international criminal law, from the Nuremberg and Tokyo Tribunals to the International Criminal Court. Topics include: the nature and sources of international criminal law; jurisdiction; individual and

collective responsibility; substantive crimes and defences; alternatives to criminal trials, such as truth commissions and amnesties.

Prerequisite: LAW 201, 211, 231, 241

Restriction: LAW 489

LAWPUBL 435 15 Points**Law of the Sea and Antarctica**

A foundational study of the Law of the Sea and the law relating to Antarctica, with specialised work on contemporary legal and policy issues.

Prerequisite: 30 points at Stage II in International Relations and Business, or LAW 211

Restriction: LAW 494, LAWPUBL 462

LAWPUBL 436 15 Points**International Human Rights**

An outline of the growing jurisprudence relating to international human rights law, with a particular focus on the case law of the UN Human Rights Committee and the European Court of Human Rights; consideration of the core human rights protected, and the practicalities of how human rights cases are brought before the main adjudicatory bodies.

Prerequisite: 30 points at Stage II in Global Politics and Human Rights or LAW 211

Restriction: LAW 496

LAWPUBL 441 15 Points**Nga Tikanga Māori**

A study of Māori customary law. Topics that may be covered include: the content of Customary Law as it relates to Māori social and political organisation and land tenure; Customary Law's interaction with the general (e.g., through statute or the common law); Customary Law and legal pluralism and culture theory; and the role of Customary Law in contemporary Crown-iwi relations.

Prerequisite: LAW 211

LAWPUBL 442 15 Points**Researching Indigenous Rights Theory, Law and Practice**

Aims to provide students with the opportunity to develop their research and writing skills, while also acquiring substantive knowledge about indigenous rights law in the context of international law; comparative law; and the domestic law of states. Students will also learn how to research indigenous rights law, for example by learning how to access materials, academic papers, and information.

Prerequisite: LAW 211

LAWPUBL 443 15 Points**Refugee Law**

An overview of the international and New Zealand refugee law systems including who is a refugee, the pathways and processes for becoming a refugee, the rights of refugees. Critical approaches to the field of refugee law; discussion of contemporary challenges in the field.

Prerequisite: 30 points at Stage II in Global Politics and Human Rights or LAW 211

Restriction: LAW 428, LAWPUBL 424

LAWPUBL 444 15 Points**Immigration Law**

An overview of the immigration issues in New Zealand. The history of immigration law; examination of some of the key issues in immigration law today including the immigration law system, citizenship, visas, deportation, appeals and

judicial review of immigration decisions and national security issues. Contemporary challenges in the field.

Prerequisite: LAW 211

Restriction: LAW 428, LAWPUBL 424

LAWPUBL 445 15 Points
European Union Law

The law related to the European Union and its institutional, economic and social structure as well as the general economic and political implications of the present status of the European Union.

Prerequisite: 30 points at Stage II in BGlobalSt courses or LAW 211

Restriction: LAW 424

LAWPUBL 446 15 Points
Indigenous Peoples in International Law

An introduction to international law as it relates to Indigenous peoples including: third world approaches to international law; the United Nations Declaration on the Rights of Indigenous peoples; the relationship between international human rights and Indigenous peoples' rights; the universal human rights regime and Indigenous peoples; regional human rights systems and Indigenous peoples' rights; international economic institutions and Indigenous peoples; business and Indigenous peoples' rights and special topics relevant to Indigenous peoples in the Pacific.

Prerequisite: 30 points at Stage II in Global Environment and Sustainable Development or Global Politics and Human Rights, or LAW 211

LAWPUBL 448 15 Points
Statutory Interpretation: Theory and Practice

The normal mode of legal reasoning and legal argumentation proceeds by way of interpretation: of statutes, of precedents, of contracts etc. This course takes up the systematic study of statutory interpretation. Drawing on examples from different common law jurisdictions, it surveys the traditional techniques employed in the interpretation of statutes and analyses the contemporary debate between different theoretical schools such as textualism, intentionalism, purposivism and pragmatism.

Restriction: LAW 488, LAWPUBL 447

LAWPUBL 449 15 Points
Counterterrorism Law and Policy

An examination of various legal issues arising out of the 'global war on terror', including: different paradigms for dealing with emergencies; difficulties of legally defining terrorism; detention of terrorist suspects; ethnic/racial profiling; electronic surveillance; coercive interrogation and torture; targeted killing; criminalisation of offences related to terrorism.

Prerequisite: 30 points at Stage II in Global Environment and Sustainable Development or Global Politics and Human Rights, or LAW 201, 211

Restriction: LAW 467, LAWPUBL 451

LAWPUBL 461 15 Points
Indigenous Rights Legal Clinic

Explores substantive international and domestic human rights law and associated legal skills taught through a combination of seminars and experiential learning.

Prerequisite: LAW 211 or 30 points at Stage II in Global Politics and Human Rights

LAWPUBL 462 15 Points
Law of the Sea

An examination of the history of the development of the law of the sea; the sources of the contemporary law

of the sea, leading to the adoption of the 1982 United Nations Convention on the Law of the Sea; and the legal regime of various maritime zones (territorial sea, exclusive economic zone, high seas etc). Particular issues such as the settlement of disputes, maritime delimitation, maritime security, fisheries and bioprospecting are also addressed.

Prerequisite: 30 points at Stage II in International Relations and Business, or LAW 211

Restriction: LAW 494, LAWPUBL 435

LAWPUBL 466 15 Points
Contemporary Issues in Disarmament Law

A study of the legal and humanitarian issues relating to arms control and disarmament, including both conventional weapons (landmines, small arms, incendiary weapons for example) and "weapons of mass destruction" (chemical, biological and nuclear weapons). Themes include the role of civil society in law-making, difficulties of verification and dispute resolution and the role of law in disarmament.

Prerequisite: 30 points at Stage II in Global Politics and Human Rights or LAW 211

Restriction: LAWPUBL 455

LAWPUBL 467 15 Points
Anti-corruption Law and Democracy

The global significance of corruption and its implications for self-government are explored within the context of rising economic and political inequality and illiberal populism. This course asks whether anti-corruption law can respond to democracy's vulnerabilities and decline. It examines current economic and political trends, anti-corruption law domestically and internationally, and the potential for enhancing the law to better-protect political integrity.

Prerequisite: LAW 201, 211

Restriction: LAWHONS 735

LAWPUBL 468 15 Points
Mātauranga Māori and Taonga/Cultural Property and Indigenous Intellectual Property

Cultural property topics include: the preservation of cultural heritage; the protection of cultural property during armed conflict; and the restitution and repatriation of cultural objects. Indigenous intellectual property topics include: Māori claims to mātauranga Māori and taonga, with a particular emphasis on Wai 262; and the interface between intellectual property norms and proposals for reform.

Prerequisite: LAW 211

LAWPUBL 471 15 Points
Special Topic

LAWPUBL 472 15 Points
Law of Armed Conflict

The legal rules governing the conduct of hostilities; historical and contemporary operation; associated issues, including treaties and UN peace operations.

Corequisite: LAW 435 or LAWPUBL 402, 410

Restriction: LAW 473, LAWPUBL 452

LAWPUBL 473 15 Points
International Disputes Settlement

Topics are likely to include: the international law obligation to settle disputes peacefully; legal and political mechanisms for settling international disputes; the establishment and functions of the International Court of Justice; global dispute settlement bodies: dispute settlement system of the World Trade Organization, the Permanent Court of Arbitration, and the International Tribunal for the Law of

the Sea; regional tribunals; international criminal courts and tribunals; mixed investor-state dispute settlement.

Prerequisite: LAW 211

Corequisite: LAW 435 or LAWPUBL 402, 410

Restriction: LAWPUBL 454

LAWPUBL 477 15 Points

Comparative Indigenous Law Topics

Study of law and legal issues affecting indigenous peoples in various jurisdictions.

Prerequisite: 30 points at Stage II in Global Environment and Sustainable Development or Global Politics and Human Rights, or LAW 211

Restriction: LAW 463, LAWPUBL 458

LAWPUBL 479 15 Points

Comparative Constitutional Law

Through a comparative approach to constitutional structures, history and constitution-making, this course aims to prepare students both theoretically and practically to evaluate New Zealand's constitution and to consider its future.

Prerequisite: LAW 211

Restriction: LAW 483, LAWPUBL 431, 460

LAWPUBL 481 15 Points

Special Topic

LAWPUBL 482 15 Points

International Law in Aotearoa/New Zealand

Students will consider international law from a New Zealand perspective. The course evaluates how international law shapes New Zealand and operates with(in) its legal system, and focuses on New Zealand's interaction with, contribution to, and attitude towards different areas of international law.

Corequisite: LAWPUBL 402, 410

Restriction: LAWPUBL 465

LAWPUBL 483 15 Points

Special Topic

Postgraduate 700 Level Courses

LAWPUBL 700 15 Points

The International Legal System - Level 9

A discussion of the framework, development and theory of international law. An examination of the key concepts and fundamental principles of international law. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 705 30 Points

Criminal Law and Policy - Level 9

The history and principles of criminal law, analysis of current issues in substantive and procedural criminal law, criminal justice theory, including the theory of punishment, and criminal law reform. Involves individual research resulting in a substantial individual research essay.

Restriction: LAW 715

LAWPUBL 707 30 Points

Employment Law - Level 9

Selected and comparative studies in employment law. Involves individual research resulting in a substantial individual research essay.

Restriction: LAW 725

LAWPUBL 720 30 Points

Local Government Law - Level 9

The law relating to the structure, powers and service delivery functions of local government including: the history of local government, reorganisation schemes, powers

and administrative principles, civil liability, elections, council procedures, staff employment, works contracts, financial accountability, land valuation, rating systems, environmental functions and bylaws. Consideration of related public bodies, e.g., education and health authorities. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 725 30 Points

Privacy Law - Level 9

The law governing data surveillance and techniques of social control through the use of information technology, privacy aspects of the prevention of credit and insurance fraud, criminal investigation and the balance between individual rights and commercial and/or public interests. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 726 30 Points

Public International Law - Level 9

The principles of international law and their application to municipal law. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 730 15 Points

Indigenous Peoples' Rights in National Law - Level 9

A study of the application of indigenous peoples' rights in national jurisdictions including New Zealand, Canada, the United States and select Latin American states. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 732 30 Points

Comparative Indigenous Rights Law - Level 9

Study of the nature and legal protection of the rights of indigenous persons and groups in international and comparative perspective, including rights to self-government, cultural, religious and linguistic rights. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 736 30 Points

Human Rights Litigation - Level 9

Study of international conventions and customary international law on human rights, including: free speech, exercise of religion, privacy and nondiscrimination, enforcement mechanisms, human rights theories in international law, third generation human rights including rights to development and a functioning environment, and the recognition of these in international law. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 740 15 Points

Special Topic: International Human Rights Law - Level 9

Provides an overview of International Human Rights Law (IHRL), including its principal instruments and enforcement mechanisms. Students will explore case studies of the application of IHRL in some of today's most challenging contexts, including armed conflict and climate change, and also explore how the application of a state's international human rights obligations can inform its domestic case law.

LAWPUBL 741 30 Points

Special Topic: International Peace and Security - Level 9

LAWPUBL 743 30 Points

International Criminal Law - Level 9

The evolution of international criminal law, from the Nuremberg and Tokyo Tribunals to the International

Criminal Court. Topics include the nature and sources of international criminal law, jurisdiction, individual and state responsibility, substantive crimes and defences, and alternatives to criminal trials such as truth commissions and amnesties. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 744 30 Points
Special Topic: Freedom of Speech as Constitutional Principle - Level 9

LAWPUBL 745 30 Points
Special Topic: Constitution and Custom in the South Pacific - Level 9

LAWPUBL 746 15 Points
Special Topic: Medico-legal Problems - Level 9

LAWPUBL 747 15 Points
Special Topic: Patients' Rights - Level 9

This wide-ranging course examines key current issues in patients' rights. Topics may include: access, quality and information, rights to access health care, how the quality of health care is assessed, limits of information disclosure, outcomes data, complaint history, resolution of patient concerns and access to justice, patient protection from incompetence and abusive practitioners and the role of professional discipline.

LAWPUBL 748 15 Points
Special Topic: South Pacific Legal Studies: Critical Issues - Level 9

The South Pacific region constitutes Pacific Island nations with distinct and diverse societies, cultures and legal systems. The course offers an advanced study of contemporary legal issues faced by nations in the region. Students will critically examine a range of legal issues; including customary law, constitutional law, human rights and climate change. Delivered through a talanoa based approach, the course offers students a nuanced understanding of important and current legal issues in the Pacific region.

LAWPUBL 749 30 Points
Special Topic: Indigenous Persons: Law and Policy - Level 9

LAWPUBL 751 30 Points
Special Topic: Regional Law and Governance in the Pacific - Level 9

LAWPUBL 752 30 Points
Special Topic: Contemporary Issues in International Law - Level 9

LAWPUBL 753 30 Points
Special Topic: Comparative Health Law and Policy - Level 9

LAWPUBL 754 30 Points
Special Topic: Comparative Human Rights Law - Level 9

LAWPUBL 755 30 Points
Special Topic: Comparative Criminology - Level 9

LAWPUBL 757 30 Points
Special Topic: International Refugee Law - Level 9

LAWPUBL 758 30 Points
Special Topic: International Disarmament Law - Level 9

LAWPUBL 760 15 Points
Selected Issues in Public International Law - Level 9
Explores a selection of contemporary issues in international law. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 761 15 Points
Indigenous Peoples' Rights in International Law - Level 9
An in-depth study of the international law relevant to the protection of the rights of indigenous peoples. The history of the development of indigenous peoples' rights in international law; analysis of those rights; the mechanisms in place for indigenous peoples to advocate for their rights in international fora. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 770 15 Points
Theory and History of Criminal Law and Policy - Level 9
Explores the history and principles of criminal law, criminal justice theory, including the theory of punishment with analysis of some current issues in substantive criminal law. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 771 15 Points
Advanced Criminal Procedure: Selected Topics - Level 9
An in-depth examination of selected laws governing police investigations and criminal trial practice in New Zealand. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 772 15 Points
Comparative Criminal Procedure - Level 9
An examination of the law related to police investigations and criminal trial practice in Canada, United States and New Zealand. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 773 15 Points
Advanced Evidence Law in Criminal Cases - Level 9
An in-depth examination of the law governing the presentation of evidence in criminal trial proceedings under the New Zealand Evidence Act 2006. Involves individual research resulting in a substantial individual research essay.

LAWPUBL 774 15 Points
Human Rights - Level 9
The legal framework for the protection of human rights including a consideration of the moral and jurisprudential underpinnings of modern human rights. Involves significant individual research resulting in a substantial individual research essay.

LAWPUBL 775 15 Points
Human Rights Remedies - Level 9
A study of human rights dispute mechanisms and remedies available for breach of rights. Involves individual research resulting in a substantial individual research essay.
Prerequisite: LAWPUBL 774

LAWPUBL 776 15 Points
Human Rights: Selected Topics - Level 9
A study of selected contemporary human rights issues. Involves individual research resulting in a substantial individual research essay.
Prerequisite: LAWPUBL 774

LAWPUBL 777 15 Points
Human Rights in Mental Health Law - Level 9
A study of human rights issues arising in the specific context

of mental health law. Involves individual research resulting in a substantial individual research essay.

Prerequisite: LAWPUBL 774

LAWPUBL 778

15 Points

Issues in Search and Surveillance - Level 9

A study of current search and surveillance issues in the context of human rights law. Involves significant individual research resulting in a substantial individual research essay.

Prerequisite: LAWPUBL 774

LAWPUBL 779

15 Points

Special Topic: International Dispute Settlement - Level 9

FACULTY OF MEDICAL AND HEALTH SCIENCES

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Faculty of Medical and Health Sciences

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Audiology

Postgraduate 700 Level Courses

AUDIOL 701

15 Points

Auditory Neuroscience

The anatomy and physiology of the auditory system, including the central nervous system. Topics include: the anatomy and neuroanatomy of the ear, the role of the middle ear, cochlear mechanics and micromechanics, transduction in the cochlea and vestibular system, responses of the auditory nerve and cochlear homeostasis.

AUDIOL 702

15 Points

Basic Diagnostic Audiology

The basic principles and techniques of diagnostic audiology in adults and children. Topics studied include: basic audiometric techniques (history-taking, pure tone audiometry, speech audiometry, immittance audiometry, traditional site-of-lesion tests, paediatric assessment, non-organic hearing loss). Emphasis is placed on critical assessment of current literature.

AUDIOL 704

15 Points

Central Auditory Function

Auditory neurophysiology and electrophysiology of central auditory pathways, psychoacoustics, and speech and language. Topics include: the use of electrophysiology, imaging technologies and psychoacoustics to probe the function of the auditory system. Central processes involved in speech and language.

AUDIOL 713

15 Points

Clinical Otolaryngology and Related Sciences

An introduction to otolaryngology and speech pathology. Topics include: principles of pathology and mechanisms of disease, imaging techniques, diseases of the ear, head and neck, the genetics of deafness, neurological disorders that affect hearing and balance, occupational deafness and hearing conservation, speech pathology.

AUDIOL 714

15 Points

Hearing Aids and Other Devices for the Hearing Impaired

An introduction to the design and technology of analogue and digital hearing aids, cochlear implants and assistive devices for children and adults with hearing-impairment. Analysis of the signal processing techniques and strategies used in digital hearing aids and cochlear implants.

AUDIOL 715

15 Points

Physics and Acoustics for Audiology

The basic physics of sound; and instrumentation and the principles of digital signal processing involved in

audiological research. Topics include: the physics of sound waves, room acoustics, the measurement of reverberation time; the nature of acoustic impedance; the nature of filters and amplifiers, acoustics of speech, calibration.

AUDIOL 716A

15 Points

AUDIOL 716B

15 Points

Clinical Practicum I

Introduces the clinical practice of Audiology. Topics include communication skills; ethics; cultural issues; and the clinical practice of audiology, including counselling, understanding the effects of aging, tinnitus and hyperacusis management. Students will obtain the skills and knowledge to take a clinical history and to perform a basic audiometric assessment of adults and children. Particular emphasis is placed on critical evaluation and independent learning. Involves clinical work including a nine week practicum during the summer semester between Part I and Part II.

To complete this course students must enrol in AUDIOL 716 A and B

AUDIOL 718A

15 Points

AUDIOL 718B

15 Points

Clinical Practicum II

Clinical Audiology includes a scope of practice in evidence-based diagnostic and rehabilitative practices for the lifespan population. Topics include behavioural and objective measures of hearing for all ages, diagnosis and management of children with hearing loss, advanced topics in tinnitus, balance and hearing technologies. Interactive lectures, clinical placements, and independent learning contribute to the curriculum.

Prerequisite: AUDIOL 716

To complete this course students must enrol in AUDIOL 718 A and B

AUDIOL 796A

45 Points

AUDIOL 796B

45 Points

Thesis - Level 9

To complete this course students must enrol in AUDIOL 796 A and B

Clinical Education

Postgraduate 700 Level Courses

CLINED 703

15 Points

Learning in Small Groups

Explores how clinicians operate as members and leaders of groups, and the conditions underlying effective group function both in education and the workplace.

CLINED 705

15 Points

Simulation and Clinical Skills Teaching

Theory and practice around the use of simulators in clinical education. Addresses underlying theory, research, course design, acquisition of clinical skills, scenario-based learning, scenario design, simulator programming, and feedback after simulated performance.

CLINED 706

15 Points

Interprofessional Learning, Teamwork and Patient Safety

Explores and evaluates the evidence-base on interprofessional learning in the health professions. Evaluates the role of interprofessional learning in building effective healthcare teams.

CLINED 707 15 Points
Advanced Studies in Clinical Education
 Supervised research on a topic approved by the Head of School of Medicine.

CLINED 710 15 Points
Special Studies
 Independent study on a topic approved by the Head of School of Medicine.

CLINED 711 15 Points
E-learning and Clinical Education
 Develops the knowledge and skills to critically evaluate e-learning in the clinical setting. Addresses underlying theoretical constructs, practical skills, sourcing and selection of learning objects, course design and assessment.

CLINED 712 15 Points
Curriculum and Course Design
 Theory, concepts, and processes that underlie curriculum development and the design of short courses for a clinical setting. Addresses outcome-based course design and the development of objectives, content, methods, materials, assessment and evaluation for a course or curriculum.

CLINED 713 15 Points
Clinical Supervision
 Students will explore theories of workplace learning and models of supervision of students and trainees in the clinical workplace, understand the different roles of clinical supervisors, and develop knowledge and skills to improve the effectiveness of clinical supervision in their own context.

CLINED 715 30 Points
Theory and Practice of Clinical Education
 Examines the conceptual frameworks for learning in a clinical setting. The course will explore learning theory as it relates to the clinical experience, programme design, learner preparation, practical skills in enhancing learning in the clinical setting, and translation of theoretical knowledge into clinical practice.

CLINED 716 30 Points
Assessing Clinical Performance
 Examines the purpose, criteria, methods, scoring methods and examiner training for a range of assessments of health professionals, with a focus on ensuring competence to practice. This will include concepts of reliability and validity, standard setting as well as advanced techniques to compare and effectively implement different types of clinical assessments.

CLINED 717 15 Points
Advanced E-Learning in Clinical Education
 To advance and refine competencies to develop online and blended teaching materials in health professions education. To develop and refine theoretical knowledge, learning design experience, and assessment practices. Gain hands-on experience with a range of learning technologies and platforms, including web-design, learning management systems, and digital communication.
Prerequisite: CLINED 711 or approval of Course Director

CLINED 718 15 Points
Professionalism in Clinical Education
 Students will examine and critically reflect on the notion of professionalism in clinical education to ascertain how professionalism is fostered in health care settings. The

course will address methods of teaching and learning professionalism.

CLINED 719 15 Points
Clinical Education in Action
 Takes a broad look across essential topics in clinical education of relevance to all clinical teachers involved in teaching with patients, assessing students and planning lessons. Application to practice and peer observation are key components of this course.

CLINED 720 15 Points
Special Topic: Foundations of Cultural Safety for Clinical Education
 Explores the principles and practice of cultural safety in health professions education in Aotearoa. This will include the specific proficiencies required for culturally safe health professionals, and the development of learning techniques and assessment modalities to teach and assess cultural safety.

CLINED 790 60 Points

CLINED 790A 30 Points

CLINED 790B 30 Points

Dissertation - Level 9
Corequisite: POPLHLTH 701 or equivalent experience
To complete this course students must enrol in CLINED 790 A and B, or CLINED 790

CLINED 795A 45 Points

CLINED 795B 45 Points

Research Portfolio - Level 9
Prerequisite: POPLHLTH 701
To complete this course students must enrol in CLINED 795A and B

CLINED 796A 60 Points

CLINED 796B 60 Points

Thesis - Level 9
Prerequisite: POPLHLTH 701 or equivalent experience
To complete this course students must enrol in CLINED 796 A and B

CLINED 797A 60 Points

CLINED 797B 60 Points

Research Portfolio - Level 9
 Supervised research that represents the personal scholarly work of a student based on a coherent area of inquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or scope of practice.
Prerequisite: POPLHLTH 701 or equivalent experience
To complete this course students must enrol in CLINED 797 A and B

Clinical Imaging

Stage II

CLINIMAG 201 15 Points
Radiographic Clinical Practice I
 Introduces the fundamental knowledge and clinical skills necessary to perform a range of routine radiographic examinations with a patient-centred focus.

Stage III

CLINIMAG 303A 15 Points

CLINIMAG 303B 15 Points

Radiographic Clinical Practice II
 Extends the fundamental knowledge and clinical skills

necessary to perform a range of routine and non-routine radiographic examinations, including specialised views and adaptive techniques. Provides the knowledge and clinical skills to perform a range of advanced radiographic imaging examinations with a patient centred focus, incorporating an evidence-based approach.

Restriction: CLINIMAG 301, 302

To complete this course students must enrol in CLINIMAG 303 A and B

Stage IV

CLINIMAG 402A 30 Points

CLINIMAG 402B 30 Points

Radiographic Clinical Practice III

Consolidates the knowledge and clinical skills necessary to perform all radiographic imaging examinations, with a patient-centred focus.

To complete this course students must enrol in CLINIMAG 402 A and B

Postgraduate 700 Level Courses

CLINIMAG 706 15 Points

Nuclear Medicine Specialised Clinical Applications

Addresses normal and altered radiopharmaceutical biodistribution appearances, and protocol selection and development, associated with cardiovascular, lymphatic and oncological applications in Nuclear Medicine, in addition to investigating new and evolving techniques and applications. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making and clinical competence.

Prerequisite: MEDIMAGE 720

CLINIMAG 707 15 Points

CT Clinical Practice

Provides students with a sound understanding of CT technology and its application including radiation safety and dose reduction. Addresses normal and abnormal Computed Tomography (CT) imaging appearances, protocol selection and modification, in relation to a range of standard clinical applications. Students will develop the knowledge, competencies, skills and attitudes needed to enable clinical competence in both academic and professional capability in CT practice and application to clinical practice.

Restriction: CLINIMAG 717, MEDIMAGE 710

CLINIMAG 708 15 Points

Mammographic Clinical Practice

Addresses normal and abnormal mammographic imaging appearances, technique evaluation and adaptation, and includes reflection on clinical practice relating to mammography. The course will ensure students develop the knowledge, competencies, skills and attitudes needed to demonstrate mastery in academic and professional mammographic practice.

Prerequisite: MEDIMAGE 707

CLINIMAG 709 15 Points

Principles of Clinical Ultrasound

Addresses normal and abnormal ultrasound imaging appearances, scanning techniques and applications associated with abdominal ultrasound examinations. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making and clinical competence. Develops clinical

competence to the level expected of a trainee sonographer during the initial phase of clinical training.

Corequisite: MEDIMAGE 716

Restriction: CLINIMAG 719

CLINIMAG 710 15 Points

MRI Clinical Applications 1

Addresses normal and abnormal imaging appearances, protocol selection and development, and applications associated with a range of MRI examinations. Students will examine standard and advanced pulse sequences, in addition to investigating new and evolving techniques and applications. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical decision making and clinical competence.

Prerequisite: MEDIMAGE 714

Restriction: CLINIMAG 701, 702

CLINIMAG 711 15 Points

MRI Clinical Applications 2

Addresses normal and abnormal imaging appearances, protocol selection and development, and applications associated with a range of MRI examinations. Students will examine standard and advanced pulse sequences in addition to investigating new and evolving techniques and applications. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical decision making and clinical competence.

Prerequisite: MEDIMAGE 714

Restriction: CLINIMAG 702

CLINIMAG 712 15 Points

MRI Clinical Practice

Develops the knowledge, competencies, skills and attitudes needed to demonstrate mastery in both academic and professional capability in MRI practice.

Prerequisite: Departmental approval

CLINIMAG 713 15 Points

Ultrasound in Women's Health

Addresses normal and abnormal ultrasound imaging appearances, scanning techniques and applications relating to women's health. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making and clinical competence.

Prerequisite: MEDIMAGE 716

Restriction: CLINIMAG 703

CLINIMAG 714 15 Points

Ultrasound Clinical Applications

Addresses normal and abnormal ultrasound imaging appearances, adaptation of scanning techniques relating to the abdomen, musculoskeletal system, vascular system, small parts and paediatric imaging. Students will develop theoretical knowledge and reflect on competencies, skills and attitudes required for mastery in academic and professional ultrasound practice.

Prerequisite: CLINIMAG 709 or MEDIMAGE 716

Restriction: CLINIMAG 704

CLINIMAG 715 15 Points

Ultrasound Clinical Practice

Develops the knowledge, competencies, skills and attitudes needed to demonstrate mastery in both academic and professional capability in ultrasound practice.

Prerequisite: Departmental approval

CLINIMAG 716 15 Points

Nuclear Medicine Clinical Practice

Develops the knowledge, competencies, skills and attitudes

needed to demonstrate mastery in both academic and professional capability in Nuclear Medicine practice.

Prerequisite: Departmental approval

CLINIMAG 717 15 Points
CT Clinical Applications

Addresses normal and abnormal Computed Tomography (CT) imaging appearances, protocol selection and modification, and application to clinical practice.

Restriction: CLINIMAG 707

CLINIMAG 718 15 Points
Special Topic

CLINIMAG 719 15 Points
Ultrasound Abdominal Clinical Applications

Addresses normal and abnormal ultrasound imaging appearances, scanning techniques and applications associated with abdominal ultrasound examinations. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical decision making and clinical competence.

Prerequisite: MEDIMAGE 716

Restriction: CLINIMAG 704, 714

CLINIMAG 720 15 Points
Ultrasound Specialised Clinical Applications

Addresses normal and abnormal ultrasound imaging appearances, scanning techniques and applications associated with specialised ultrasound imaging. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making and clinical competence.

Prerequisite: MEDIMAGE 716

Restriction: CLINIMAG 704, 714

CLINIMAG 721 30 Points
Mammographic Practice

An in-depth understanding of mammographic imaging of breast anatomy and pathology, and the principles of mammographic technology and image quality. Addresses the knowledge, skills and attributes needed to demonstrate competence in clinical mammographic practice.

CLINIMAG 722 30 Points
Extended Mammographic Practice

An in-depth understanding of mammography assessment, interventional techniques and quality assurance. Addresses the knowledge, skills and attributes needed to demonstrate competence in academic and extended clinical mammographic practice.

CLINIMAG 723 15 Points
PET-CT Imaging

Addresses the fundamentals of PET-CT and hybrid imaging including equipment, normal and altered radiopharmaceutical biodistribution appearances and a range of clinical applications. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning and decision-making.

Prerequisite: MEDIMAGE 720

CLINIMAG 724 15 Points
Cardiac Ultrasound Clinical Practice

Refines and expands specialised skills, knowledge, and attitudes required to demonstrate proficiency in the competency domains set out by the New Zealand Medical Radiation Technologists Board, within the scope of practice of Cardiac Ultrasound.

Prerequisite: Department approval

CLINIMAG 725 15 Points

PET-CT Clinical Practice

Addresses the fundamentals of PET-CT and hybrid imaging including equipment, normal and altered radiopharmaceutical biodistribution appearances and a range of clinical applications. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making. Develops the knowledge, competencies, skills and attitudes needed to demonstrate mastery in both academic and professional capability in PET-CT practice.

Prerequisite: MEDIMAGE 720

Restriction: CLINIMAG 723

Dietetics

Postgraduate 700 Level Courses

DIETETIC 703 15 Points

Clinical Nutrition: Disease Pathophysiology and Management - Level 9

Provides basic and practical material for professional application of clinical nutrition knowledge to dietetic practice and case management. Includes the aetiology and pathophysiology of disease states that are relevant to, and underpin, nutritional management and/or treatment. Includes assessment of nutritional status and nutritional requirements, fluid and electrolyte management, nutrition therapy by tube feeding, and dietetic management of various disease states.

DIETETIC 707 30 Points

Professional Skills 1

Evaluates professional communication, organisation and management skills that will enable students to work effectively as dietitians. Students will describe and appraise nutrition information, dietetic expertise, judgement and reasoning to the nutrition assessment, intervention and evaluation of nutrition and dietetic process plans. Introduces the principles of food service systems and public health to optimise nutrition, health and well-being.

Restriction: DIETETIC 704

DIETETIC 708 30 Points

Professional Skills 2

Integrates professional communication, organisation and management skills that will enable students to work effectively as dietitians. Students will apply nutrition knowledge, dietetic expertise, judgement and reasoning to the nutrition assessment, intervention and evaluation of nutrition and dietetic process plans. Applies the principles of food service systems and public health to optimise nutrition, health and well-being.

Prerequisite: DIETETIC 707

Restriction: DIETETIC 705

DIETETIC 709A 15 Points

DIETETIC 709B 15 Points

Professional Skills 3

Advances effective communication skills to optimise nutrition, health, well-being for individuals and communities. Integrates and appraises the dietetic process as it applies to clinical and dietetic practice. Critically evaluates the scientific principles of clinical nutrition to enable the translation of the evidence to best practice. Apply communication and organisation principles, which

will ensure effective, management and leadership within varied environments.

Prerequisite: DIETETIC 708

Restriction: DIETETIC 706

To complete this course students must enrol in DIETETIC 709 A and B

DIETETIC 710 **15 Points** **Research Methods in Human Nutrition**

An overview of research design and techniques used in human nutrition research. Including the formation and critique of research design, data procedures, analysis and ethical issues.

DIETETIC 793A **45 Points**

DIETETIC 793B **45 Points**

Thesis - Level 9

Prerequisite: DIETETIC 703, 708

To complete this course students must enrol in DIETETIC 793 A and B

Digital Health

Postgraduate 700 Level Courses

DIGIHLTH 701 **15 Points** **Principles of Digital Health**

The study of information technology and information management concepts relevant to the delivery of high quality and cost-effective healthcare. Theoretical frameworks such as data management, decision support, strategic planning and implementation, change management, knowledge management and privacy and other ethical aspects of digital health are included.

Restriction: HLTHINFO 728

DIGIHLTH 702 **15 Points** **Health Knowledge Management**

Analyses the role and dynamics of knowledge in the working environment in the health sector, and develops aspects of knowledge infrastructure.

Restriction: HLTHINFO 723

DIGIHLTH 703 **15 Points** **New Zealand Health Data Landscape**

An overview of key issues to support the appropriate and effective use of large volumes of routinely collected data to drive improvements in the delivery of health care. Ethical and equitable use of health data, critical evaluation of health data, identification of analytic methods and appropriate interpretation to support health care decision-making are discussed. Specific datasets are not analysed.

Restriction: HLTHINFO 725

DIGIHLTH 704 **15 Points** **Artificial Intelligence in Healthcare**

Familiarises students with the main developments and applications of artificial intelligence in healthcare. The theoretical concepts and the technology including predictive and generative artificial intelligence are outlined. Governance issues are also addressed.

Restriction: HLTHINFO 730

DIGIHLTH 705 **15 Points** **Digital Health Design and Evaluation**

Examines the design and development of digital health tools to meet end-user and health service needs. A series of case studies are used to illustrate the different stages of digital health tool development, evaluation, and

implementation. Health service, researcher and end-user perspectives are covered.

DIGIHLTH 706 **15 Points** **Health Data Analytics**

Analyses, interprets, and presents quantitative data to assist decision making in the health sector. Fundamental elements of statistics, data management, visualisation, epidemiology and computing are covered.

Health Management

Postgraduate 700 Level Courses

HLTHMGT 721 **15 Points** **Health Management**

The application of general management principles to health organisations and resources, with particular reference to the nature of health organisations and health professional teams. Includes theory and concepts supporting the effective management of health human resources and financial resources.

Restriction: POPLHLTH 721

HLTHMGT 729 **15 Points** **Strategic Health Management**

The importance and contribution of strategic management to the health sector is established through the application of strategic management thinking and theory to complex systems. Skills in strategy formulation are developed through application of the logic and processes of strategy.

Restriction: POPLHLTH 729

HLTHMGT 754 **15 Points** **Health Leadership**

Establishes the conceptual foundation of health leadership related to the self, others and organisations. Contemporary leadership frameworks are compared and linked to leadership theory and concepts in the context of improving health and outcomes.

Restriction: NURSING 732, POPLHLTH 754

HLTHMGT 755 **45 Points**

HLTHMGT 755A **15 Points**

HLTHMGT 755B **30 Points**

Project in Health Leadership - Level 9

An applied research-based project in an aspect of health leadership. The project provides a capstone experience to the degree. Students critically analyse real-world cases and problems and develop evidence-informed and innovative solutions through expert consultation and literature research.

To complete this course students must enrol in HLTHMGT 755 A and B, or HLTHMGT 755

Health Psychology

Stage I

HLTHPSYC 122 **15 Points** **Behaviour, Health and Development**

Introduction to the relationship between behaviour and the major biological, cognitive and social-emotional processes, applying them to health and development across the life span. Focuses on aspects of behaviour and development particularly relevant for the healthcare professional.

Restriction: POPLHLTH 122

Postgraduate 700 Level Courses**HLTHPSYC 714** 15 Points**Health Psychology**

A review of the psychological factors involved in health and illness. Topics include: the understanding of patient behaviour in medical settings, preventative health behaviour, cognitive models of illness, stress and illness, communication and adherence to treatment, the psychology of physical symptoms and coping with chronic disease.

HLTHPSYC 715 15 Points**Research Methods in Health Psychology**

A review of the principal methods used in the design, conduct and analysis of studies in the health psychology area. This will focus on quantitative research, but qualitative methodologies will also be addressed.

HLTHPSYC 716 15 Points**Psychoneuroimmunology**

Outlines the nature of the human immune system, its measurement and limitations of current practices and models. The main focus of the course is the extent to which psychological processes such as stress, emotions, and social interactions have been found to influence immune behaviour and the implications of these findings for health and wellbeing. Various theoretical frameworks through which psycho-immune relationships might be understood are presented and discussed.

HLTHPSYC 717 15 Points**Emotions, Emotion Regulation, and Health**

Extends content knowledge in health psychology by focussing on the expanding literature linking emotions and emotion regulation with health outcomes. The course provides an overview of the nature and functions of emotions, discrete versus dimensional approaches, developmental and cultural considerations, and the links between emotions and cognitive processes. Specific topics include direct and indirect pathways linking emotions and health, links between emotions and health-deleterious behaviours, symptom detection, screening behaviour, treatment decision-making, and adherence.

HLTHPSYC 719 15 Points**Health Psychology Assessment**

Extends content knowledge in health psychology through the development of skills in the assessment and evaluation of constructs commonly used in health psychological research and practice. Includes consideration of general issues in psychometric theory and the specific assessment issues commonly confronting widely-used health psychological research designs, as well as detailed coverage of specific content areas including illness cognitions, health-related psychophysiology, emotions, and health outcomes.

Restriction: PSYCH 701, 747

HLTHPSYC 720 15 Points**Health Psychology Interventions**

Reviews the underpinning theory base for approaches commonly used in health psychology interventions such as CBT, and applies these approaches to examples from the field of health psychology. Individual and group/community treatment targets will be considered, including common difficulties that impact on disease occurrence or management, and the psychological consequences of disease.

Restriction: PSYCH 701, 748

HLTHPSYC 742A 15 Points**HLTHPSYC 742B** 15 Points**Professional Practice in Health Psychology**

Focuses on the professional intervention skills necessary to practice health psychology. Topics include: interviewing and assessment skills, formulation of problems, design and evaluation of interventions and models for interdisciplinary and multidisciplinary functioning. Relevant contexts include: hospitals, hospices, consultancies, general practice etc.

Prerequisite: HLTHPSYC 746

To complete this course students must enrol in HLTHPSYC 742 A and B

HLTHPSYC 743 15 Points**Psychopathology and Clinical Interviewing**

Common psychological disorders encountered in clinical practice and health settings. Practical teaching of clinical interview and diagnostic skills is completed in class.

HLTHPSYC 744 15 Points**Research Topic in Health Psychology**

Offers the opportunity for academic staff to provide a specific course of study for one or several students. It is available only by arrangement between the staff member(s) and students.

HLTHPSYC 745A 45 Points**HLTHPSYC 745B** 45 Points**Practicum in Health Psychology - Level 9**

A practical component of supervised applied work of not less than 1,500 hours in approved health settings, and other work as required. A detailed written report of the work undertaken will be required of the student.

Prerequisite: HLTHPSYC 746

To complete this course students must enrol in HLTHPSYC 745 A and B

HLTHPSYC 746 30 Points**HLTHPSYC 746A** 15 Points**HLTHPSYC 746B** 15 Points**Pre-internship Placement**

Requires students to undertake 300+ hours in at least two approved clinical placements in addition to associated workshops and training over a twelve month period.

To complete this course students must enrol in HLTHPSYC 746 A and B, or HLTHPSYC 746

HLTHPSYC 755 15 Points**Special Study****HLTHPSYC 757** 15 Points**Psychosomatic Processes**

Focuses on the psychological, social and biological mechanisms behind illnesses that present with medically unexplained symptoms. Such illnesses include: chronic fatigue syndrome, chronic pain, irritable bowel syndrome and the somatoform disorders. The diagnostic controversy surrounding these disorders and treatment approaches for these conditions will be addressed.

HLTHPSYC 758 15 Points**Technology and Health**

Explores the growing field of digital health and the impact that technology is having on psychological treatments and healthcare delivery. The course will cover a range of eHealth interventions in patient populations as well as discuss issues surrounding the development and implementation of digital health interventions.

HLTHPSYC 796A 60 Points
HLTHPSYC 796B 60 Points
Thesis in Health Psychology - Level 9
 To complete this course students must enrol in HLTHPSYC 796 A and B

Health Sciences

Postgraduate 700 Level Courses

HLTHSCI 700 30 Points
Working with People with Long-term Conditions - Level 9
 Long-term conditions present one of the most challenging global epidemics of the twenty-first century. This course is designed to support the development of a responsive person-centred healthcare workforce to meet the needs of people living with long-term conditions and to work with them to improve their self-efficacy and health outcomes.
 Restriction: NURSING 738

HLTHSCI 701 30 Points
Self-management for People Living with Long-term Conditions - Level 9
 Self-management is a key strategy to maximise quality of life for individuals and their families living with long-term conditions. This course is designed to strengthen assessment of self-management, collaborative person centred goal setting and planning. It focuses on developing motivational communication skills and collaborative strengths-based approaches which support efficacy and activation.
 Restriction: NURSING 771

HLTHSCI 702 30 Points
Principles of Primary Health Care - Level 9
 Assists primary healthcare professionals working in diverse settings to put population health into practice through primary healthcare. Determinants of health, equity, community empowerment, partnerships and effective ways to care for people with long-term conditions in communities will be explored.
 Restriction: NURSING 772

HLTHSCI 703 30 Points
Psychological Interventions in Health Care - Level 9
 Focuses on increasing health professionals' skills in the use of psychological interventions for people who have acute or long term mental health or physical health problems. Explores evidence-based psychological models, such as Cognitive and Behaviour Therapy and Motivational Interviewing. Illness beliefs that impact on the person's ability to engage effectively with treatment plans, and self-management of their health problem/s, will also be critiqued.
 Restriction: NURSING 760, 781

HLTHSCI 704 30 Points
Primary Health Care of Children and Young People - Level 9
 Equips healthcare professionals with the knowledge to provide primary and community health care, from a global to a national and local level, for well children and young people and those with long term conditions. All aspects of the course will be underpinned by the United Nations Convention on the Rights of the Child (UNCRC). Epidemiology, whānau (family) focused partnerships and interventions will be addressed along with the management of common conditions in the 0–25 year age range.
 Restriction: NURSING 716, 788

HLTHSCI 705 30 Points
Mental Health and Addiction for Health Professionals - Level 9
 Uses a person-focused theoretical framework to explore mental health and addiction problems presenting in non-specialist mental health settings. Conceptualises mental health and addiction problems as frequently co-occurring. Engagement, assessment, collaborative solution focused interventions, referral and care coordination will be explored.
 Restriction: NURSPRAC 718, 719

HLTHSCI 706 30 Points
Special Topic

HLTHSCI 707 30 Points
Special Topic

HLTHSCI 708 30 Points
Special Topic

HLTHSCI 710 30 Points
Acute Stroke Care
 Students will develop advanced interdisciplinary knowledge about pre-hospital care, diagnosis and hyperacute stroke care, secondary stroke prevention, stroke pathophysiology and management of risk factors. Students will evaluate and critique stroke epidemiology and equity of access to stroke services. Skills in assessment of neurological impairment, rehabilitation needs, and discharge planning will be developed with reference to clinical guidelines and local contexts.
 Restriction: NURSPRAC 705

HLTHSCI 711 30 Points
Stroke Rehabilitation
 Students will develop knowledge of the biological processes underpinning neurological recovery after stroke. Students will also develop interdisciplinary understanding of assessment and interprofessional treatment strategies for impairments in communication, swallowing, vision, sensation, cognition, mood, continence, and movement. Skills in assessing independence and participation using standard scales will be also be developed for application in clinical practice.

HLTHSCI 712 30 Points
Advanced Stroke Care
 Students will evaluate and critique contemporary and evidence-based advanced clinical assessments and decision-making regarding driving, returning to work, and engaging in physical activity after stroke, including the effects of cognition, mood, and fatigue. Students will also develop advanced skills in communicating with patients and whānau on topics including stroke risk factors, self-management and adjusting to life after stroke.
 Prerequisite: HLTHSCI 710, 711

HLTHSCI 713 30 Points
Improving Stroke Care
 The organisation and conduct of clinical research will be evaluated and critiqued, with specific examples from the stroke research evidence base. Critical thinking skills will be developed and applied to basic research and clinical trials. The role of the healthcare professional in translating research into practice will be explored with reference to contemporary implementation theories, models and frameworks.
 Prerequisite: HLTHSCI 710, 711

HLTHSCI 714 15 Points
Stroke Research
 Contemporary qualitative and quantitative research methods and clinical trial designs are evaluated and critiqued, with specific examples from the stroke research evidence base. Students will apply this knowledge by formulating a research question and developing a research proposal, including consideration of ethics and institutional approvals, and the timeframe and resources required.
Prerequisite: HLTHSCI 710-713

HLTHSCI 715 30 Points
Research in Practice
 Provides students with an in-depth understanding of undertaking research in the health sector. Building on learnings from prerequisite courses, students are supported to operationalise their research through completion of an ethics application as well as collecting and analysing data.
Prerequisite: NURSING 746, 782

HLTHSCI 789 30 Points
HLTHSCI 789A 15 Points
HLTHSCI 789B 15 Points
Research Project
 To complete this course students must enrol in HLTHSCI 789 A and B, or HLTHSCI 789

HLTHSCI 790 60 Points
HLTHSCI 790A 30 Points
HLTHSCI 790B 30 Points
Dissertation - Level 9
Restriction: HLTHSCI 792
 To complete this course students must enrol in HLTHSCI 790 A and B, or HLTHSCI 790

HLTHSCI 792 45 Points
Research Project - Level 9
 Clinical knowledge and research skills are applied to undertake a practice-oriented research project. Students will work under the direct supervision of a staff member to define their research question, plan and execute their research activities.
Prerequisite: HLTHSCI 710-714

HLTHSCI 793A 45 Points
HLTHSCI 793B 45 Points
Research Portfolio - Level 9
 Supervised research that represents the personal scholarly work of a student based on a coherent area of inquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or scope of practice.
 To complete this course students must enrol in HLTHSCI 793 A and B

HLTHSCI 795 45 Points
HLTHSCI 795A 22.5 Points
HLTHSCI 795B 22.5 Points
Research Project in Health Practice - Level 9
 An applied research-based project relating to an aspect of health practice in a specialised community development setting. Students will critically analyse real-world cases and problems and develop evidence-informed, innovative solutions to community health issues through literature search, consultation with community leaders and relevant health professionals and through application of relevant community development and change frameworks.
Prerequisite: 15 points from POPLHLTH 701, 704, 705
 To complete this course students must enrol in HLTHSCI 795 A and B, or HLTHSCI 795

HLTHSCI 796A 60 Points
HLTHSCI 796B 60 Points
Thesis - Level 9
 To complete this course students must enrol in HLTHSCI 796 A and B

HLTHSCI 797A 60 Points
HLTHSCI 797B 60 Points
Research Portfolio - Level 9
 Supervised research that represents the personal scholarly work of a student based on a coherent area of inquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or scope of practice.
 To complete this course students must enrol in HLTHSCI 797 A and B

Named Doctoral Courses

HLTHSCI 800 30 Points
Research in Action
 Extend scholarly capabilities and in-depth understanding in the critique of the major methodological approaches to research investigations in the health sector. This will include Mātauranga Māori and will provide the rationale for the selection of their methodological approach to the investigation of their identified health issue that is the focus of their thesis research.
Prerequisite: HLTHSCI 801

HLTHSCI 801 30 Points
Healthcare Strategy and Planning
 Provides advanced skills in key areas necessary for high-performing health leaders at senior and/or executive levels. It will support the development of students' ability to sustained commitment to the development of new ideas and practices at the forefront of health service delivery in Aotearoa New Zealand and internationally and integration of these concepts into their proposed thesis.

HLTHSCI 802 30 Points
HLTHSCI 802A 15 Points
HLTHSCI 802B 15 Points
Critical Synthesis of Health Issue
 Critically appraise and synthesise the relevant evidence to demonstrate independent and original investigation of the health issue that is the focus of the student's thesis research, including consideration and integration of Mātauranga Māori.
Prerequisite: HLTHSCI 800, 801

HLTHSCI 803 30 Points
Research Proposal
 Integrates detailed understanding of the theory, methodology and professional context for investigating a defined issue within healthcare. The focus of the course is on the development of the proposal for the thesis research. Students will critically review and demonstrate the integration of the proposed research within healthcare practice and service development and the implications for health equity.
Prerequisite: HLTHSCI 800-802

HLTHSCI 897A 120 Points
HLTHSCI 897B 120 Points
Thesis
Prerequisite: HLTHSCI 800-803

MBChB

Part II**MBChB 221A** 60 Points**MBChB 221B** 60 Points**MBChB Part II**

Through clinical scenarios, lectures and laboratories, students are introduced to human health and the description and pathogenesis of disease processes as a basis for the systematic study of human illness. This is integrated with the study of human organ systems through components focusing on musculoskeletal, digestive, genitourinary, cardiovascular and respiratory systems, linked with practical work in anatomy, physiology, pathology, medical imaging, and professional, clinical and communication skills.

Restriction: MBChB 203, 205, 206, 209, 210, 211

To complete this course students must enrol in MBChB 221 A and B

Part III**MBChB 311A** 7.5 Points**MBChB 311B** 7.5 Points**Medical Humanities**

A variety of options from the study of medical humanities. *To complete this course students must enrol in MBChB 311 A and B*

MBChB 321A 52.5 Points**MBChB 321B** 52.5 Points**MBChB Part III**

Through clinical scenarios, lectures, laboratories and problem-solving sessions, students explore human health and illness in a multidisciplinary manner with particular focus on the nervous system, blood, immunity and infection, reproduction, development and aging, and how bodily systems are regulated. This is integrated with practical work in anatomy, physiology, pathology, medical imaging and professional, clinical and communication skills, as well as ward-based learning experiences.

Prerequisite: MBChB 221

Restriction: MBChB 303, 305, 306, 312, 313

To complete this course students must enrol in MBChB 321 A and B

Stage IV**MBChB 401A** 60 Points**MBChB 401B** 60 Points**MBChB Part IV**

During Part IV, students spend 33 weeks in eight clinical attachments: emergency medicine, anaesthesiology, musculoskeletal, surgery, general and specialty medicine, geriatrics and general practice. These attachments are complemented by four weeks of topic teaching on campus. There is also a compulsory Māori and Pacific Health module.

Prerequisite: MBChB 311, 321

To complete this course students must enrol in MBChB 401 A and B

Stage V**MBChB 501A** 60 Points**MBChB 501B** 60 Points**MBChB Part V**

Students will complete academic study of forty one weeks

of which thirty one are in clinical placements. These are: general practice, obstetrics and gynaecology, psychiatry, paediatrics, specialty surgery and a selective. There are three weeks of formal learning on campus including a Population Health week. Other projects and asynchronous learning also needs to be completed. Students may undertake the majority of study in a regional rural setting in Northland.

Prerequisite: MBChB 401

To complete this course students must enrol in MBChB 501 A and B

MBChB 551A 60 Points**MBChB 551B** 60 Points**MBChB Part VI**

Students undertake patient care, under supervision, in the disciplines of general practice, medicine, surgery, emergency medicine, psychiatry, paediatrics, and obstetrics and gynaecology. Students also complete a week of clinical imaging, a compulsory course in core resuscitation skills and a revision course in procedural skills. The 44-week year includes an optional element for students to undertake study in areas of medicine of their choice (the Elective), or complete a substantial research project, for a period of 10 weeks.

Prerequisite: MBChB 501

To complete this course students must enrol in MBChB 551 A and B

Medical Imaging

Stage I**MEDIMAGE 199** 0 Points**English Language Competency**

To complete this course students must attain a level of competency in the English language as determined by the School of Medical Sciences. This course must be completed prior to enrolling in Part III of the Bachelor of Medical Imaging (Honours) degree.

Stage II**MEDIMAGE 201** 15 Points**Fundamentals of Medical Imaging**

Provides a fundamental understanding of Medical Imaging practice. Students will examine components of the clinical setting including patient care, cultural competency, and ethical considerations, to prepare them for the clinical learning environment. Students will apply these concepts to radiographic imaging in the context of routine radiographic examinations.

MEDIMAGE 202 15 Points**Medical Imaging Science**

Provides students with a fundamental understanding of ionising radiation in the context of medical imaging. Addresses x-ray production, instrumentation, x-ray detection, digital imaging and the principles of quality assurance. Also examines the biological effects of ionising radiation, dose, and radiation protection.

Corequisite: MEDIMAGE 203

MEDIMAGE 203 15 Points**Radiographic Imaging I**

Develops student knowledge of routine radiographic examinations in a Medical Imaging department. The anatomical relationships of the body and the imaging

examinations are explored with reference to the appendicular and axial skeleton.

Prerequisite: MEDIMAGE 201

Corequisite: MEDIMAGE 202

Stage III

MEDIMAGE 300 15 Points

Medical Imaging for Biomedical Science

Examines the physical principles of image production, instrumentation and safety considerations of specialised medical imaging modalities, including magnetic resonance imaging (MRI), ultrasound and nuclear medicine. Students will compare normal and abnormal imaging appearances associated with each of these modalities, and investigate a range of clinical and research applications.

Prerequisite: MEDSCI 201, 203

Restriction: MEDIMAGE 306

MEDIMAGE 301 15 Points

Radiographic Imaging II

Extends knowledge of radiographic examinations and procedures in a Medical Imaging department. The anatomical relationships of the body and the imaging examinations are explored with focus on specialist views and adaptive techniques.

Prerequisite: MEDIMAGE 199, 203

MEDIMAGE 302 15 Points

Sectional Imaging Anatomy and Pathology

Develops understanding of anatomy and pathology as applied in Medical Imaging. Focuses on sectional imaging anatomy, normal variants and common pathologies as demonstrated on CT (computed tomography), MRI (Magnetic Resonance Imaging) and ultrasound images.

Prerequisite: MEDSCI 201, 203

MEDIMAGE 304 15 Points

Advanced Radiographic Imaging

Develops understanding of advanced radiographic imaging examinations including mammography, angiography, interventional procedures, and computed tomography. Addresses the physical principles of image production, instrumentation and dose considerations. Students will investigate a range of clinical applications, and normal and abnormal imaging appearances associated with each of these modalities.

Prerequisite: MEDIMAGE 202, 203

MEDIMAGE 305 15 Points

Professional Practice in Medical Imaging

Develops fundamental concepts of professionalism, reflective practice and communication to patient-centred care and professional practice in Medical Imaging.

Prerequisite: MEDIMAGE 201

MEDIMAGE 306 15 Points

Specialised Medical Imaging

Examines specialised medical imaging modalities including ultrasound, nuclear medicine, and magnetic resonance imaging (MRI). Addresses the physical principles of image production, instrumentation and safety considerations. Students will investigate a range of clinical applications, and normal and abnormal imaging appearances associated with each of these modalities.

Prerequisite: MEDIMAGE 202, 203

MEDIMAGE 307 15 Points

Research Methods

An introduction to the principles of research methodology

and evidence-based practice as applied to medical imaging. Addresses the knowledge required to evaluate research and the development of skills and research ethics necessary to conduct medical imaging research.

Restriction: MEDIMAGE 723

Postgraduate 700 Level Courses

MEDIMAGE 701 15 Points

Imaging Anatomy and Pathology

Addresses the principles of medical science at whole body, organ, tissue, cellular and sub cellular levels by developing an integrated understanding of anatomy and pathology as it applies to medical imaging in the clinical context. Specific anatomical regions and pathologies will be investigated to explain imaging appearances and evaluate the role of a variety of imaging modalities in patient pathways.

MEDIMAGE 702 15 Points

Professional Issues in Medical Imaging

Students will investigate the concept of professional practice leading to an exploration of current professional issues relevant to medical imaging. The course will develop students' ability to reflect on, and respond to, the wide variety of professional, ethical, medico-legal and clinical workplace issues generated in a rapidly changing environment.

MEDIMAGE 707 15 Points

Mammographic Technology

Provides students with an in-depth understanding of mammographic technology and its application. The course addresses the scientific principles of the modality including image formation, technical parameters, radiation safety specific to mammography, image quality, artefacts, and quality assurance. Equipment developments and new and evolving techniques will be examined.

MEDIMAGE 708 15 Points

Nuclear Medicine Technology

Extends students' specialised theoretical knowledge and understanding of the underlying scientific principles of nuclear medicine technology. Students will develop the ability to apply this knowledge to obtain images of optimal diagnostic quality.

Prerequisite: MEDIMAGE 720

MEDIMAGE 710 15 Points

CT Imaging Technology

Provides students with specialised theoretical knowledge and understanding of the underlying scientific principles of CT technology. Students will develop the ability to apply this knowledge to obtain images of optimal diagnostic quality.

Restriction: CLINIMAG 707

MEDIMAGE 711 15 Points

Musculoskeletal Trauma Image Evaluation

Provides students with the knowledge to evaluate radiographs of common musculoskeletal trauma in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop the ability to provide a preliminary clinical image evaluation of common musculoskeletal trauma radiographs.

MEDIMAGE 712 15 Points

Musculoskeletal Pathology Image Evaluation

Provides students with the knowledge to evaluate radiographs of common musculoskeletal pathologies in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop

the ability to provide a preliminary clinical image evaluation of common musculoskeletal pathology radiographs.

MEDIMAGE 713 15 Points
Special Studies

MEDIMAGE 714 15 Points
Fundamentals of Clinical MRI

Provides students with knowledge of the fundamental scientific principles of MRI. Students will examine components of the clinical environment in the context of patient care and safety. In addition, students will evaluate common clinical applications, developing the ability to analyse standard imaging protocols and explain normal and abnormal MR imaging appearances.

MEDIMAGE 715 15 Points
MRI Technology

Extends students' specialised theoretical knowledge and understanding of the underlying scientific principles of MR technology. Students will develop the ability to apply this knowledge to obtain images of optimal diagnostic quality.
Prerequisite: MEDIMAGE 714

Restriction: MEDIMAGE 703, 704

MEDIMAGE 716 15 Points
Fundamentals of Clinical Ultrasound

Provides students with knowledge of the fundamental scientific principles of ultrasound. Students will develop the ability to apply this knowledge to different patient populations. In addition, students will investigate standard sonography imaging techniques and analyse sonographic imaging appearances.

MEDIMAGE 717 15 Points
Ultrasound Imaging Technology

Explores the principles of ultrasound physics and instrumentation. Students will learn about the properties of sound waves and their behaviour with tissues in the production of ultrasound images, including the construction of artefacts, and develop the ability to manipulate and optimise image production by refining components and controls of the ultrasound machine, while considering the importance of bioeffects and safety.

MEDIMAGE 718 15 Points
Acute Chest Image Evaluation

Provides students with the knowledge to evaluate acute chest radiographs in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop the ability to provide a preliminary clinical image evaluation of common acute chest radiographs.

MEDIMAGE 719 15 Points
Paediatric Image Evaluation

Provides students with the knowledge to evaluate radiographs of common paediatric trauma and pathologies in the clinical setting. Using a systematic method of image interrogation and a critical approach, students will develop the ability to provide a preliminary clinical image evaluation of common paediatric radiographs.

MEDIMAGE 720 15 Points
Fundamentals of Clinical Nuclear Medicine

Provides students with knowledge of the fundamental scientific principles of nuclear medicine. Students will examine components of the clinical environment in the context of patient care and safety. In addition, students will evaluate common clinical applications, developing the ability to analyse standard imaging protocols and explain

normal and altered biodistribution and nuclear medicine imaging appearances.

MEDIMAGE 721 15 Points
MRI Safety

Extends students' understanding of the underlying physical principles related to a range of MRI safety issues. The course will provide students with the opportunity to explore these safety issues in greater depth and to apply this knowledge in critically evaluating current policies and practices. New and emerging safety topics will also be examined.

Prerequisite: MEDIMAGE 714

MEDIMAGE 722 15 Points
Special Topic: Introduction to Cardiac Ultrasound

Introduces cardiac ultrasound by exploring the analysis and interpretation of the 2D, M-mode, spectral Doppler, and colour Doppler components of the normal cardiac ultrasound examination. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making and clinical competence.

MEDIMAGE 723 15 Points
Research Methods

Provides students with a comprehensive understanding of the principles of research methodology and evidence based practice as applied to medical imaging. Addresses the knowledge required to evaluate research and the development of skills and research ethics necessary to conduct medical imaging research.

Restriction: MEDIMAGE 307

MEDIMAGE 724 15 Points
Ultrasound Assessment of Heart Disease 1

Expands on comprehension of the normal cardiac ultrasound examination, by developing the specialised skills and knowledge required to critically analyse and interpret ventricular function, pulmonary and systolic hypertension, aortic valve pathology, and the athlete's heart, using various ultrasound modalities. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making, and clinical competence.

Prerequisite: MEDIMAGE 717, 722

MEDIMAGE 725 15 Points
Cardiac Pathophysiology

Explores cardiovascular disease as it pertains to a disturbance in the normal structure and function of the heart. Students build on an introduction to normal cardiac structure and function to gain extensive knowledge of the changes to anatomy and physiology that lead to cardiovascular conditions. Students can integrate this knowledge of aetiology, clinical features, and treatment options, into the clinical setting.

MEDIMAGE 726 15 Points
Ultrasound Assessment of Heart Disease 2

Further develops the knowledge and skills required to critically analyse and interpret cardiac pathology and associated interventions including valvular heart disease, infective endocarditis, diseases of the aorta, cardiac masses, and systemic diseases. An emphasis will be placed on integrating theory and clinical practice elements to facilitate sound clinical reasoning, decision-making, and clinical competence. Students will continue their exploration of cultural safety.

Prerequisite: MEDIMAGE 724

MEDIMAGE 727 15 Points
Introduction to Congenital Heart Disease
 Expands knowledge of normal foetal cardiovascular system development which is imperative to understanding the intricacies of congenital heart lesions. Integrates a comprehensive of congenital heart lesions with a systematic segmental approach to scanning allows practitioners to identify congenital lesions and interrogate the haemodynamic consequences using ultrasound, pre- and post-medical intervention.

MEDIMAGE 728 15 Points
Advanced Concepts in Cardiac Ultrasound
 Further develops the knowledge and skills required to critically analyse and interpret complex forms of heart disease while beginning to explore advanced echocardiography techniques. Complementary diagnostic modalities used in the investigation of heart disease are introduced. Integrating knowledge of a broader range of diagnostic modalities allows practitioners the opportunity to correlate diagnostic findings, and provide a deeper understanding of underlying pathology.
Prerequisite: MEDIMAGE 726

MEDIMAGE 729 15 Points
Theranostics
 Addresses principles, theories and clinical applications of theranostics in nuclear medicine and molecular imaging. Radiopharmaceuticals, biodistribution, radiation safety aspects and the role of imaging in theranostics will be explored. In addition, students will investigate new and evolving techniques or applications.
Prerequisite: MEDIMAGE 720

MEDIMAGE 740 30 Points
MEDIMAGE 740A 15 Points
MEDIMAGE 740B 15 Points
Research Project - Level 9
 To complete this course students must enrol in MEDIMAGE 740 A and B, or MEDIMAGE 740

Medical Science

Stage I

MEDSCI 100G 15 Points
Human Mind and Body Relationships
 Humans share with other living things the features of physical self-generation and adaptation to the environment. Humans also live in a mental (mind) world and maintain relationships with our perceived environments. Minds and bodies mutually affect one another. This mind/body dance, which is explored in this course, is what gives rise to all of human behaviour from simple daily activities to the highest forms of creativity.

MEDSCI 101G 15 Points
Environmental Threats to Human Health
 Our environment sustains our lives but at times threatens our health. These threats may occur naturally, or arise from damage we have inflicted on the environment. This course considers health impacts of climate change, pollution, lifestyle choices, poverty and affluence, workplace hazards, emerging infectious diseases, and dangers affecting cancer risk.

MEDSCI 142 15 Points
Biology for Biomedical Science: Organ Systems
 Introduction to human biology with particular emphasis

on integrated organ function. The course will deal with: structures and processes associated with the function of the nervous, locomotor, cardiovascular, respiratory, digestive, renal, endocrine, musculoskeletal and reproductive systems.
Restriction: HUMANBIO 142

Stage II

MEDSCI 201 15 Points
Human Structure and Function
 Presents the structure of biological systems with special reference to human biology, from the levels of histology through to gross anatomy. Specific examples of the correlation between structure and function will be considered. An introduction to current techniques for the visualisation of biological structure will be presented.
Prerequisite: BIOSCI 107, MEDSCI 142

MEDSCI 202 15 Points
Microbiology and Immunology
 An introduction to the nature and roles of bacteria, viruses, fungi and parasites as the causative agents of human diseases. Topics include: the defence mechanisms of the body, the immune system including autoimmunity and allergy, control of disease by antimicrobials, sterilisation, disinfection and infection control practice.
Prerequisite: BIOSCI 107, MEDSCI 142
Restriction: OPTOM 241, PHARMACY 203

MEDSCI 203 15 Points
Mechanisms of Disease
 Outlines the basic mechanisms, operating at the molecular, cellular and tissue levels, by which human disease develops. These include genetic factors, cell injury, inflammation, repair, circulatory disturbances, and neoplastic change. These mechanisms are illustrated by descriptions of the pathogenesis of specific diseases that are relevant to the New Zealand situation, or are the focus of current biomedical research.
Prerequisite: BIOSCI 107, MEDSCI 142

MEDSCI 204 15 Points
Pharmacology and Toxicology
 A solid grounding in the principles underlying pharmacology and toxicology, including the nature of drug targets, their interaction and response (pharmacodynamics), the fate of drugs within the body (pharmacokinetics), toxicity classification and testing, poisons and antidotes, adverse drug reactions, selective toxicity, drug discovery and development. Selected drug examples will be studied to illustrate key principles of clinical pharmacology.
Prerequisite: CHEM 110, MEDSCI 142, and 15 points from BIOSCI 106 or 107

MEDSCI 205 15 Points
The Physiology of Human Organ Systems
 An integrative approach is used to study fundamental physiological processes which enable the body to overcome the challenge of life. Drawing on examples of normal and abnormal function, the course examines the interaction of vital physiological processes, from cellular control mechanisms to multiple organ systems. Topics include: control of fluid and electrolytes, cardiovascular control, energy use, and the delivery of oxygen and metabolites.
Prerequisite: BIOSCI 107, MEDSCI 142
Restriction: PHARMACY 205

MEDSCI 206**15 Points****Principles of Neuroscience**

The impact of neuroscience revolution on our understanding of human physiology and biomedical research is reviewed. Topics include: mechanisms of neurotransmission, learning, memory, sensory perception (vision, hearing, touch and smell) and application of gene therapy for treating neurological diseases. Special emphasis is placed on the integration and control of physiological function by the nervous system. Examples include control of movement and coordination, regulation of reproduction, blood pressure, breathing, appetite, body weight and sexuality. Developmental neuroscience is also considered. Laboratory exercises provide insight into neural structure and function and include application of neuroimaging technologies.

Prerequisite: BIOSCI 107, MEDSCI 142

Stage III**MEDSCI 300****15 Points****Analytical Anatomy and Visualisation**

Examines the analysis, description and quantification of anatomical structures, including visualisation methodologies and the challenges of imaging subcellular to whole organ anatomy. Emphasis is placed on emerging applications and technology, including computational anatomy, surgical planning and research applications. Appropriate uses of human tissue, modern imaging technologies, tissue preparation, imaging artefacts, and novel visualisation techniques will be explored.

Prerequisite: MEDSCI 201

MEDSCI 301**15 Points****Molecular Basis of Disease**

An in-depth analysis of the cellular and molecular basis of disease, including the role of environmental and inherited risk factors, as well as mechanisms of response to cell injury and inflammation in the disease process. A number of examples will be studied including cancer and infectious disease.

Prerequisite: MEDSCI 203

MEDSCI 302**15 Points****Cancer Biology**

A study of the scientific basis of cancer including: mechanisms underlying the pathogenesis of cancer, carcinogenesis, DNA damage and repair, properties of cancer cells (including abnormalities of growth and cell cycle control), the growth of tumours, the classification and histopathology of cancers, and an introduction to therapeutic strategies.

Prerequisite: BIOSCI 356 or MEDSCI 203

MEDSCI 309**15 Points****Biophysics of Nerve and Muscle**

An advanced treatment of the physiology of excitable cells. Topics include: the biophysical basis of membrane potential, the spread of electrical activation and synaptic transmission, structure, excitation, mechanics and energetics of muscle and functional differences among muscle types. The approach is quantitative with particular emphasis on current advances in the field.

Prerequisite: MEDSCI 205, 206, or for BE(Hons) students, 15 points from MEDSCI 205 and 15 points from courses at Stage II listed in Part II of the Biomedical Engineering specialisation in the BE(Hons) Schedule

MEDSCI 311**15 Points****Cardiovascular Biology**

An advanced treatment of the human cardiovascular system that provides an integrated framework for understanding the structure, function and regulation of the heart and circulation, and their modification by drugs. Topics include: the energetics and mechanics of the heart, the regulation of heart rhythm and the control of blood pressure and the regulation of flow through the microcirculation. The course is illustrated using examples drawn from current research in the field and from representative disease states.

Prerequisite: MEDSCI 205

MEDSCI 312**15 Points****Neuroendocrinology of Growth and Metabolism**

An introduction to the mechanism controlling the production of hormones and how these achieve their effects in regulating body function. The course focuses in particular on the hormone systems controlling growth and metabolism and contrasts the differences between fetal and adult life. It also highlights how defects in endocrine systems are associated with conditions such as obesity and diabetes.

Prerequisite: MEDSCI 205

MEDSCI 313**15 Points****Reproductive Biology**

Aspects of reproductive biology including: regulation of gonadal function, the menstrual and oestrus cycles, ovulation, spermatogenesis, feto-maternal physiology including placental function, animal reproduction and assisted reproductive technologies.

Prerequisite: 15 points from BIOSCI 107, 203, MEDSCI 142

MEDSCI 314**15 Points****Immunology**

The biology, cellular and molecular events underlying the immune response. The nature and characteristics of antibody-mediated and cell-mediated immunity including antigen recognition and presentation, antibody and T cell receptor structure, immune regulation and cytokines, immunogenetics and histocompatibility. The relationships of the immune system to the activities of pathogenic organisms. Applied immunology including biotechnology, infection, autoimmunity, tumour immunology, transplantation and immunodeficiency.

Prerequisite: MEDSCI 202 or BIOSCI 201

MEDSCI 315**15 Points****Nutrition, Diet and Gene Interactions**

Gene-X environment interactions are increasingly being recognised to play an important role in the risk and pathogenesis of various diseases. The interaction between genetics and dietary factors in modulating mechanism of gut, bone, cancer and metabolic disease will be considered in this course, as well as the technologies required to understand such interactions.

Prerequisite: BIOSCI 202 or 203

MEDSCI 316**15 Points****Sensory Neuroscience: From Molecules to Disease**

The physiology of neurosensory systems in health and disease with an emphasis on clinical relevance and current advances in research. The course will provide in-depth coverage of mechanisms involved in each system at a broad systemic level, down to the molecular level. Topics include vision, hearing, balance, olfaction, taste, touch and pain.

Prerequisite: MEDSCI 206

MEDSCI 317**15 Points****Integrative Neuroscience: From Fetus to Adult**

The development and function of the central nervous system in health and disease. Topics include development of the CNS, synaptic function in health and disease, development and pathophysiology of motor systems, perinatal and adult brain ischemia and neuroprotection, stroke, chronobiology/human circadian rhythm and olfactory dysfunction during dementia, Parkinson's and Alzheimer's disease. The objective of this course is to provide an overview of the development and function of the central nervous system in health and disease. The course explores the anatomy and physiology of the brain during development into adulthood, and highlights the pathologies of various central nervous system disorders.

Prerequisite: MEDSCI 206

MEDSCI 318**15 Points****Pharmacokinetics and Drug Toxicity**

Considers the biochemical processes involved in achieving clinically-relevant drug concentrations that result in therapeutic effects and drug toxicity, from drug input, distribution, and elimination plus the ways in which these processes are described (pharmacokinetic modelling). Explores factors such as drug-drug interactions, pharmacogenetics, dosing and pharmacokinetic considerations in selected populations and that may influence both clinical effectiveness and drug toxicity.

Prerequisite: MEDSCI 204 and 30 points from MEDSCI 203, 205, BIOSCI 203

Restriction: MEDSCI 303, 306, 321

MEDSCI 319**15 Points****Molecular Pharmacology**

Explores the cellular and molecular mechanisms of drug action with a focus on G-protein coupled receptors and biochemical targets for cancer therapy. Drug design is considered from the perspective of in silico modelling, biochemical assessment and intracellular signalling.

Prerequisite: MEDSCI 204 and 30 points from MEDSCI 203, 205, BIOSCI 203

Restriction: MEDSCI 304, 321

MEDSCI 320**15 Points****Pharmacology of the Brain and Body**

Extends the principles of pharmacology acquired at Stage II to discuss how diseases can be treated in a variety of organ systems including the cardiovascular, gastrointestinal, endocrine, reproductive, and respiratory systems with emphasis on the central nervous system. Covers the mechanisms of action of drugs, and the influence of anatomy, physiology and pathology.

Prerequisite: MEDSCI 204 and 30 points from MEDSCI 203, 205, 206, BIOSCI 203

Restriction: MEDSCI 305, 307

MEDSCI 321**15 Points****Special Topic**

Prerequisite: MEDSCI 204 and 30 points from BIOSCI 203, MEDSCI 203, 205

Restriction: MEDSCI 303, 306, 318, 319, 735

MEDSCI 399**15 Points****Capstone: Medical Sciences**

Students will integrate and communicate knowledge attained during their study of medical sciences ranging from normal physiology through pathological process to the safe and effective use of medicines to treat diseases. Students will consider wider societal issues involved in

research, such as human and animal ethics, within the context of Aotearoa and Te Tiriti o Waitangi.

Prerequisite: 15 points from MEDSCI 318-320 and 15 points from MEDSCI 301-321

Restriction: BIOMED 399, BIOSCI 399, PHARMCOL 399, PHYSIOL 399

Postgraduate 700 Level Courses**MEDSCI 700****15 Points****Drug Discovery Biology**

Reviews recent studies on the use of chemical and genetic methods to characterise the role of proteins in disease and their potential as drug targets. Topics will include proteins involved in regulation of immune response, lipid mediated cell signalling pathways, drug-protein interactions, some discovery methods, and pre-clinical studies on mechanism of action.

MEDSCI 703**15 Points****Advanced Biomedical Imaging**

Theory and practice of biomedical imaging from the sub-cellular to whole body level with specific emphasis on recent developments. Principles of digital image-processing and image analysis (including quantitative morphology), computed tomography and volume rendering and analysis. Imaging modalities including atomic force microscopy, light and confocal microscopy, electron microscopy, X-ray, CT, ultrasound and magnetic resonance imaging.

MEDSCI 704**15 Points****Stem Cells and Development**

Stem cell biology and the genetic regulation of developmental processes will be examined in normal and disease settings. Blood, immunity, vascular networks and the kidney will be used as systems to explore important concepts in organ development and regeneration. This knowledge will be applied in understanding disease processes such as leukaemia, inflammation and kidney disorders, and in designing new therapeutic strategies.

MEDSCI 705**15 Points****Infection, Immunity and Disease**

Examines the ways in which host immune mechanisms control infection, infectious organisms evade host defence mechanisms, and the consequences of these processes for the host. Examples of human infectious diseases will include: HIV, hepatitis B, influenza, tuberculosis and streptococcal infections. Consideration of the consequences of infection will incorporate discussion of immune self/non-self discrimination, immune tolerance and autoimmune mechanisms, including the impact of response against infections on autoimmunity.

MEDSCI 706**15 Points****Genomic Medicine**

Examines a range of medical genetic disorders that illustrate principles of disease mechanisms, diagnosis and management. These will include: haemophilia, familial cancer, late-onset neurological disorders and mitochondrial disease.

MEDSCI 707**15 Points****Antimicrobials and Resistance**

Antimicrobial resistance is a public health concern developing worldwide. The nature of antimicrobial agents will be explored by examining their discovery, development and mechanisms of action. Antimicrobial resistance will be studied to understand both mechanisms of resistance and the factors that drive resistance. Emphasis will be placed

on recent advances in the discovery of antimicrobials and the development of novel strategies for the control of infectious agents.

MEDSCI 708 15 Points

Advanced Immunology and Immunotherapy

Explores recent advances in immunology including the genes, proteins and cell types involved in the innate and adaptive immune response, with a focus on how key components are integrated at a systems level to determine immune outcomes. Examines a range of inflammatory and immune mediated diseases, together with methods of immunotherapy, including the latest approaches to combat cancer and autoimmune disease.

MEDSCI 709 15 Points

Nutrition in Health and Disease

The influence that dietary patterns, foods and food components have on the promotion and protection against the common nutrition-related diseases in New Zealand. The relevant epidemiological, clinical, and biochemical/physiological aspects of each disease are covered.

MEDSCI 710 15 Points

Nutrition Mechanisms

The mechanisms by which food and food components can influence disease processes. Topics covered include: the interaction between genotype and nutrition, antioxidants and oxidation protection mechanisms, dietary toxicology, the process of atherosclerosis, and the influence of the intra-uterine environment on growth and disease.

MEDSCI 711 15 Points

Clinical Nutrition

Prevention of malnutrition and maintenance of nutritional status during acute and chronic illness through 'artificial' or 'interventional' means. Diagnosis and quantitation of malnutrition, and monitoring of nutrition support therapy. Practical techniques, common complications and quality assurance through a multidisciplinary team approach. Includes treatment of anorexia nervosa and cancer cachexia.

MEDSCI 712 15 Points

Critical Evaluation of Nutritional Therapies

The suggested roles for micronutrients, 'nutriceuticals' and functional foods in general health, exercise performance and disease are evaluated using an evidence-based approach. The roles of micronutrients as dietary supplements and the potential actions of nutriceuticals and functional foods are also critically evaluated. Regulatory and ethical issues in the use of nutritional remedies are considered, including their use as supplements in chemotherapy or other conventional therapies, or in individuals with no symptoms.

MEDSCI 713 15 Points

Principles of Cancer Therapy

Examines the molecular and cellular processes underlying cancer treatment and the development of tumour-selective therapy; the principles of radiotherapy and chemotherapy; DNA and the basis for its interactions with anticancer drugs; recognition of DNA by proteins; exploitation of these processes by anticancer drugs, oncogenes and other regulatory gene products; signal transduction mechanisms and strategies for changing cell cycle control; cytokines and the role of host responses in cancer therapy; new approaches to cancer therapy including gene therapy and photodynamic therapy.

Prerequisite: MEDSCI 302

MEDSCI 714 15 Points

Advanced Cancer Biology

Advanced studies of concepts related to the biology of cancer. These will include: molecular mechanisms, signal transduction pathways, genomic instability, telomeres and telomerase, aneuploidy, DNA damage sensing mechanisms, and hypoxia and tumour progression.

Prerequisite: MEDSCI 302

MEDSCI 715 15 Points

Molecular Toxicology

Covers the current understanding of mechanisms implicated in toxicity of drugs and environmental chemicals plus the basis of inter-individual susceptibility. The course identifies strategies used to predict and prevent adverse reactions during drug development.

MEDSCI 716 15 Points

Advanced Drug Disposition and Kinetics

Advanced study of the absorption, distribution, metabolism and excretion of drugs, and the analysis of these processes. Also included are: in vivo/in vitro techniques in drug ADME studies used in drug development; drug analysis in biological matrices; and pharmaco-genomic aspects related to drug disposition.

MEDSCI 717 15 Points

Advanced Neuroscience: Neuropharmacology

An advanced study of current research topics in neuroscience. Involves critical analysis of the literature within the context of a series of major research themes that encompass models from molecular through to systems level neuroscience. Themes will be selected from the following areas: neurogenesis, neurodegeneration and/or addiction.

MEDSCI 718 15 Points

Pharmacology of Anaesthetics and Analgesics

General aspects of anaesthetics and analgesics. Topics covered include the development of modern anaesthesia, the mechanisms of action of drugs used in general and local anaesthesia, and issues surrounding safety and efficacy of anaesthesia, including drug error and circadian variation in drug action.

MEDSCI 719 15 Points

Pharmacometrics

An introduction to the application of mathematical models used in the interpretation of pharmacological observations. Computer-based analysis methods are investigated using individual and population-oriented approaches.

MEDSCI 720 15 Points

Biomedical Research Techniques

An introduction to some of the most commonly used techniques used in today's research laboratories; from tissue culture to confocal microscopy, RT-PCR to mass spectrometry, immunoassay to cloning. Emphasis is placed on understanding the principles behind the techniques, how they are applied to address specific questions, and how to evaluate and use the data they generate.

MEDSCI 722 15 Points

Clinical Pharmacology

The disposition and action of medicines in humans of all ages will be explored, as well as adverse reactions, effects of pregnancy, medicine classification, and evaluation of clinical trials. Emphasis is placed on understanding the sources of variability of medicines and the use of target concentration intervention.

MEDSCI 723 15 Points**Cancer Pharmacology**

The pharmacological basis of the action of anti-tumour drugs relevant to human cancer therapy, emphasising the variability of chemotherapy effects, interactions between anti-cancer agents and early phase clinical trials.

MEDSCI 727 15 Points**Advanced Neuroscience: Neurophysiology**

An advanced coverage of selected topics in neurophysiology and brain pathophysiology. Includes presentations and critical analysis by the students of the current scientific literature within the context of several major research themes that encompass models from molecular and cellular to systems level. Themes will be selected from the following module: (1) Astrocyte physiology and pathophysiology, (2) Spinal cord injury and the extracellular matrix, (3) Microglia physiology and pathophysiology, and (4) Biomarkers of dementia.

Prerequisite: MEDSCI 206, 317

MEDSCI 729 15 Points**Perinatal Physiology and Medicine**

Fetal development has long-term consequences for health. This advanced course offers a wide range of research themes relating to fetal development and future health. Topics include: placental development, fetal physiology, and endocrine regulation and metabolic function during fetal and postnatal life. The course explores pathogenesis of disease and injury of the fetus and newborn, and how biomedical research leads to potential clinical treatment strategies.

MEDSCI 730 15 Points**Reproductive Science**

Molecular regulation and coordination of normal reproduction. The reproductive disorders that arise when normal biological processes are disrupted. Recent molecular methods have enabled us to study these processes and to understand how they can go wrong. Genomic and proteomic approaches to the understanding of reproduction and reproductive disorders will be presented. Examination of the new technologies that allow us to overcome some of these reproductive problems.

MEDSCI 731 15 Points**Advanced Reproductive Biology**

Focusses on recent scientific advances in the field of human reproductive biology and medicine, with an emphasis on developing critical thinking skills. Examines the scientific approaches used to understand normal and pathological pregnancies, recent advances in reproductive medicine, and the ethical implications and considerations of assisted reproductive technologies.

MEDSCI 732 15 Points**Molecular Aspects of Endocrinology and Metabolism**

Explores how hormones are able to control such a wide range of physiological processes. Covers molecular aspects of hormone action with particular reference to the neuroendocrine and peripheral endocrine systems that control appetite and metabolism. Other topics covered include how defects in hormone action lead to diseases such as cancer, obesity, Type-2 diabetes and cardiovascular disease.

MEDSCI 734 15 Points**Advanced Cardiovascular Science**

Examines the current state of the field of research relating to cardiovascular physiology, including critical

analysis of the literature. This course portrays how an integrative physiological approach can reveal new levels of understanding in the field of cardiovascular research. Examples of this approach will be drawn from research programmes within the broad area of cardiovascular biology.

Prerequisite: 15 points from MEDSCI 309, 311, 312, 316, 317

MEDSCI 735 15 Points**Concepts in Pharmacology**

Explores cellular and molecular mechanisms of drug action and drug discovery and development from the perspective of in silico modelling, biochemical assessment, intracellular signalling and human disease. Considers the pharmacokinetic processes involved in achieving clinically-relevant drug concentrations, the link between concentration and effect, the time course of effect and factors that may influence both clinical effectiveness and drug toxicity.

Restriction: MEDSCI 321

MEDSCI 737 15 Points**Biomedical MRI**

Provides students with a thorough understanding of a range of biomedical MRI techniques as well as advanced clinical MRI applications such as functional imaging of the brain and cardiovascular system. Laboratories will cover MRI applications in basic science, and MRI applications in clinical medicine.

MEDSCI 738 15 Points**Biological Clocks**

Chronobiology – the study of biological rhythms and the clocks that control them. Theory, anatomical location and molecular machinery of biological clocks will be covered, as will the control of rhythms of different time scales from days (circadian rhythms) to years (circannual rhythms). The influence the human circadian clock has on physiology and drug efficacy, and the effect hospitalisation has on the control of sleep cycles will be given special attention.

MEDSCI 739 15 Points**Advanced Sensory Neuroscience**

Advanced study of the physiology of neurosensory systems in health and disease. Provides an in-depth coverage of the molecular, cellular and systemic mechanisms underlying vision and hearing.

Prerequisite: MEDSCI 316

MEDSCI 741 15 Points**Medical Imaging Technology - Level 9**

Study of the physical processes underlying current clinical imaging techniques. Topics include: physical principles of image acquisition, processing and display; artefacts, image acquisition methods and parameters and their impact upon patient safety and image quality; management of radiation exposure; principles of X-Ray, fluoroscopic, mammographic, computed tomography, magnetic resonance imaging (MRI), nuclear medicine, ultrasound imaging; MRI safety; dose estimation and quality assurance. Emphasis is placed on patient and practitioner care, image quality and artefacts in relation to image interpretation.

MEDSCI 742 15 Points**Anatomy for Medical Imaging - Level 9**

Study of clinical and radiographic human anatomy, as demonstrated by current imaging techniques. Topics include: developmental anatomy, surface anatomy, functional anatomy and cross sectional anatomy. Emphasis is placed on normal variants and range of normality, and

how to give a structured account of anatomy in relation to image analysis and identification.

MEDSCI 743 15 Points

Design and Analysis in Biomedical Research

An in-depth exploration of the principles of experimental design and data analysis in biomedical contexts. A focus on critical appraisal of choice of statistical tests to address experimental questions and appropriateness and limitations of analysis and interpretation of results will be undertaken. Practical and computer statistical packages are used.

Restriction: MEDSCI 725

MEDSCI 744 15 Points

Project Design in Biomedical Science

An individualised course of study in which each student will provide an exposition of the background to a specific research question in the biomedical sciences combined with a proposal of the best methods to investigate that specific question. A holistic consideration, including the ethical, regulatory, budgetary as well as, any other relevant aspects, of the chosen methods will be documented.

Prerequisite: 30 points from Medical Science at Stage III or higher with a B- or better

Restriction: BIOSCI 761, MEDSCI 701, OBSTGYN 705

MEDSCI 745 15 Points

Drug Development

Examines approaches for bringing potential new therapeutic drugs from the discovery bench into the clinic and the drug development process. Explores a variety of drugs and uses case studies to provide a practical understanding. Integrates multidisciplinary perspectives, drawn from academic and industry experiences, on practices that contribute to the development of safe and effective drug therapies.

Prerequisite: 30 points from Biological Sciences, Medical Sciences or Pharmacology at Stage III or higher, or equivalent

MEDSCI 746 15 Points

Special Topic

MEDSCI 747 15 Points

Special Topic

MEDSCI 748 15 Points

Special Topic

MEDSCI 760 15 Points

Early Life Nutrition, Lifelong Health

An in-depth exploration of the importance of the early life nutritional environment for health across the life course including critical appraisal of evidence from epidemiological, clinical, and pre-clinical studies.

MEDSCI 784A 45 Points

MEDSCI 784B 45 Points

Thesis - Level 9

To complete this course students must enrol in MEDSCI 784 A and B

MEDSCI 785A 45 Points

MEDSCI 785B 45 Points

Thesis - Level 9

To complete this course students must enrol in MEDSCI 785 A and B

MEDSCI 786A 60 Points

MEDSCI 786B 60 Points

Thesis - Level 9

To complete this course students must enrol in MEDSCI 786 A and B

MEDSCI 790 60 Points

MEDSCI 790A 30 Points

MEDSCI 790B 30 Points

Dissertation - Level 9

To complete this course students must enrol in MEDSCI 790 A and B, or MEDSCI 790

MEDSCI 793A 45 Points

MEDSCI 793B 45 Points

Research Portfolio - Level 9

Supervised research that represents the personal scholarly work of a student based on a coherent area of inquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or scope of practice.

To complete this course students must enrol in MEDSCI 793 A and B

MEDSCI 794A 45 Points

MEDSCI 794B 45 Points

Thesis - Level 9

To complete this course students must enrol in MEDSCI 794 A and B

MEDSCI 796A 60 Points

MEDSCI 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in MEDSCI 796 A and B

MEDSCI 797A 60 Points

MEDSCI 797B 60 Points

Research Portfolio - Level 9

Supervised research that represents the personal scholarly work of a student based on a coherent area of inquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or scope of practice.

To complete this course students must enrol in MEDSCI 797 A and B

Medicine

Postgraduate 700 Level Courses

MEDICINE 700 15 Points

Designing Safer Systems

The application of improvement science and safety science methods to achieve better outcomes for patients by reducing harm, waste and variation in health care; includes a focus on measurement for improvement and the application of human factors theory and concepts to design a safer and more reliable health care system.

MEDICINE 702 15 Points

Understanding Complex Clinical Systems

Draws across domains of system science, safety science, complexity theory, and implementation science to help analyse how leaders understand and effect change in healthcare. A particular focus is on understanding how things go wrong and how organisational culture, power, and politics impact on models of effective leadership within clinical systems.

MEDICINE 703	15 Points
Special Studies in Medicine	
Advanced study in a specific area usually related to the field of study of the thesis. Topics include, but are not restricted to, clinical neuroscience, bone science, rheumatology, geriatrics, cardiology, respiratory and renal medicine.	
MEDICINE 740	30 Points
Special Topic	
MEDICINE 741	15 Points
Special Topic	
MEDICINE 742	15 Points
Special Topic	

Māori Health

Foundation Courses

MAORIH21H	12 Points
Introduction to Biology	
An introduction to the structure, function and processes of the human body at cellular and tissue levels. Special emphasis on the four primary tissues including membrane transport, muscle types and function, blood and the immune response, and basic neurobiology. Provides foundational knowledge of development post fertilisation and the anatomy and physiology of selected mammalian organ systems. Exposes students to the laboratory environment, particularly microscopy and dissection.	
MAORIH22H	12 Points
Introduction to Anatomy and Physiology	
Introduction to human biology through a study of the structure and function of mammalian organ systems. Topics of focus include: skin and derivatives, digestive, nervous, reproductive and urinary, bone, endocrine and circulatory systems. This course also exposes students to learning in a laboratory environment with a strong focus on microscopy and dissection.	
MAORIH23H	12 Points
Introduction to Chemistry 1	
An overview of general chemistry principles with an emphasis on the language of chemistry and the use of mathematics to determine answers to chemical problems. An emphasis is placed on the atomic scale of matter so that students are able to describe the macroscopic world using a molecular perspective and relate chemical structures to functions. Laboratory work includes techniques of simple qualitative and quantitative measurements.	
MAORIH24H	12 Points
Introduction to Chemistry 2	
Provides an overview of systematic organic chemistry illustrating the diversity and reactivity of organic compounds, including reaction mechanisms and application of chemical kinetics. Spectroscopic techniques will be discussed, including in relation to structure determination. A quantitative study of proton transfer reactions will allow for understanding of control of pH.	
MAORIH25H	12 Points
Introduction to Population Health 1	
Introduction to key concepts and foundational knowledge in population health. Concepts include models for conceptualising health, the aggregate health of groups, social determinants of health, social gradients in health	

outcomes, and health inequalities and inequities, and foundational understanding of health care systems.

MAORIH26H	12 Points
Introduction to Population Health 2	
Explores patterns and distributions in health events, causal effects on health, and strategies for addressing health inequalities and inequities at a population level. Exposure to a foundational overview of epidemiology and population health concepts and relevant skills, including understanding and measuring the distribution of disease and illness in well-defined populations, will also be provided.	
MAORIH27H	12 Points
Academic and Professional Development in Māori and Pacific Health 1	
Presents study and academic writing skills essential for successful transition from secondary education or community contexts into tertiary study. Content focuses on a practical application of Population Health and Māori and Pacific health workforce development, while engaging students in their professional practice, cultural growth and leadership and communication.	
MAORIH28H	12 Points
Academic and Professional Development in Māori and Pacific Health 2	
Provides study and academic skills necessary for transition from foundation study to first year bachelor level study. Content areas focus on Māori and Pacific relevant examples of population health topics including: health status, determinants of health, barriers to access and quality of care and health interventions targeted at Māori and Pacific populations.	
MAORIH29H	12 Points
Introduction to Mathematics	
Provides foundation skills in mathematics and develops mathematical competence. Topics covered include measurement, notation, functions, equations, exponential growth/decay, logarithms and statistics. Examples used in the course will revolve around applications of mathematics in the health sciences.	
MAORIH30H	12 Points
Introduction to Health Psychology	
Introduction to key concepts and foundational knowledge in health psychology. Concepts include models and theories of behaviour change and development, including the relationship between major biological, cognitive and social-emotional processes. Broader social science approaches to behaviour, health and development across the lifespan will also be explored, as well as the application of health psychology for those wishing to pursue a career in health.	
MAORIH31H	12 Points
Introduction to Physics	
An introduction to physics relevant to health studies, including examples and illustrations that revolve around human physiology. Topics include mechanics, optics, waves, thermal physics, radiation and electricity.	
MAORIH32H	12 Points
Special Topic	
Stage II	
MAORIH20I	15 Points
Introduction to Māori Health	
Māori society, culture and values are explored. Historical	

processes are reviewed within the context of the Treaty of Waitangi. The course will examine how these factors underpin the basic determinants of health and shape contemporary Māori health status in Aotearoa. Different approaches to improving Māori health and reducing inequalities will be critically examined.

Prerequisite: POPLHLTH 111

Stage III

MAORIHTH 301 **Māori Health and Practice** 15 Points

Māori health knowledge is used to develop effective public health practice for Māori contexts. Areas of focus include critical thinking, reflective practice, advocacy and the application of Kaupapa Māori principles.

Prerequisite: MAORIHTH 201

Restriction: POPLHLTH 201

Postgraduate 700 Level Courses

MAORIHTH 701 **Foundations of Māori Health** 15 Points

Provides an overview of the many dimensions of Māori Health. It examines the historical and contemporary determinants of Māori health status, and outlines strategies for improving Māori health in the context of the Treaty of Waitangi, and reducing health inequalities.

Restriction: MAORIHTH 301

MAORIHTH 705 **Māori Health Promotion and Early Intervention** 15 Points

Discusses the importance of health promotion and early intervention for Māori. Models of health promotion used by different Māori providers will be presented as well as assisting students to design and implement health promotion and interventions which are likely to be effective for Māori individuals, families, and communities.

MAORIHTH 706 **Māori Health: Policy and Practice** 15 Points

Critically examines public health policy and practice in Aotearoa/New Zealand with respect to Māori health and equity. Provides insights into the application of Kaupapa Māori principles in different areas of public health practice to advance Māori health.

Prerequisite: MAORIHTH 301 or 701

MAORIHTH 707 **Practicum in Māori Health** 15 Points

Provides the opportunity to develop social assessment and critical analysis skills through the documentation of an approved practicum. Students will be expected to be able to use and demonstrate knowledge of different Māori views, concepts and frameworks. Each student will have supervision and practicum developed appropriate to their learning interests.

MAORIHTH 708 **Special Studies** 15 Points

MAORIHTH 709 **Transformational Research for Māori Health** 15 Points

Provides a critical analysis of research and research processes with regard to their potential to colonise or liberate. Drawing on Kaupapa Māori Theory, the course examines how research can be undertaken in ways that are safe for Māori and that contribute to positive Māori development.

Prerequisite: MAORIHTH 710

MAORIHTH 710 15 Points

Kaupapa Māori Theory

Kaupapa Māori Theory (KMT) underpins a range of approaches employed to ensure policy, research and intervention processes emphasise Māori ways of knowing and being and work to prevent the further marginalisation of Māori. Students learn about the development of KMT and its use in the context of Māori health and development, and will experience and learn from a range of initiatives and projects that have KMT at their core.

Prerequisite: MAORIHTH 301 or 701

Restriction: MAORIHTH 702

MAORIHTH 711 15 Points

Special Topic: Māori Quantitative Methods

Provides students with an understanding of how to apply a Kaupapa Māori Research (KMR) approach to quantitative research methods (study design, analysis and dissemination) in the health sciences. It will expose students to a range of analytic and practical tools that can be drawn on in the design and conduct of quantitative research with Māori.

Prerequisite: MAORIHTH 301 or 701

MAORIHTH 792 60 Points

MAORIHTH 792A 30 Points

MAORIHTH 792B 30 Points

Dissertation - Level 9

Restriction: MPHEALTH 792

To complete this course students must enrol in MAORIHTH 792 A and B, or MAORIHTH 792

MAORIHTH 796A 60 Points

MAORIHTH 796B 60 Points

Thesis - Level 9

Restriction: MPHEALTH 796

To complete this course students must enrol in MAORIHTH 796 A and B

Nursing

Stage I

NURSING 104 **Applied Science for Nurses** 15 Points

Provides an opportunity for the application of specific and selected topics from the biological and physical sciences to be related to beginning nursing practice.

NURSING 105 **Nursing in Practice** 30 Points

An introduction to nursing as a profession including concepts of nursing practice, and communication skills. The theoretical basis for nursing practice as well as legal and ethical boundaries are introduced. The role of the nurse in health maintenance and health promotion is explored. Skills in assessment of clients and planning client care are introduced.

NURSING 199 **English Language Competency** 0 Points

To complete this course students must attain a level of competency in the English language as determined by the School of Nursing. This course must be completed prior to enrolling in Part II of the Bachelor of Nursing degree.

Stage II**NURSING 201 60 Points**
Nursing Clients with a Pathophysiological Problem

A problem-based course where students acquire the skills associated with nursing clients requiring medical and surgical interventions and subsequent rehabilitation. Understanding the mechanisms of disease and prevention of such diseases is the basis for the course. Students are introduced to the principles of pharmacology and pharmacokinetics. Issues such as caring for clients with chronic pain and an understanding of death and grief are included. Practicums and teaching take place in a variety of clinical settings.

Prerequisite: 120 points at Stage I of the Bachelor of Nursing or equivalent

NURSING 202 60 Points
Mental Health, Addiction, (Dis)Ability and Enablement

Allows students to understand perspectives of mental health and illness, the crisis nature of mental illness and the therapeutic models of mental health management. Students acquire the specific nursing skills required to care for people with mental health problems and also those who have a long-term disability. Students undertake a range of clinical attachments in hospital and community settings.

Prerequisite: NURSING 201

Stage III**NURSING 301 60 Points**
Community Health and Wellbeing

Concepts related to health and wellbeing for individuals, families and communities are addressed within the context of social, political and lifespan influences. Current national and global population health priorities for women, children and older people are explored, with focus on childbirth, childhood illness and ageing well. Clinical attachments are in a variety of acute and community settings.

Prerequisite: NURSING 201, 202

NURSING 302 60 Points
Professional Nursing Practice

Allows the student to make the transition from student to professional nurse. A period of practice in an elected area of clinical speciality is included. Issues such as the development of nursing knowledge, autonomy of practice, accountability for practice, and the legal and ethical parameters of competency as a nurse are emphasised.

Prerequisite: NURSING 301

Postgraduate 700 Level Courses**NURSING 700 30 Points**
Special Topic**NURSING 701 30 Points**
Research Project - Level 9

A personal scholarly exploration of an area of clinical nursing practice that reflects an understanding of research purpose and process. The project includes a critical and comprehensive review of relevant literature which results in new insights and understandings and considers how the application of these might affect existing service delivery or clinical practice models.

NURSING 732 30 Points
Leading and Managing Changes in Healthcare

Theoretical and practice principles of leadership and management in the context of healthcare organisations.

Utilises an action based learning model, mentorship and project work.

NURSING 735 30 Points
Clinical Education Practicum

Application and critical analysis of educational theories and concepts in a clinical learning environment. Utilises an action based learning model and project work.

NURSING 740 30 Points
Nurse Practitioner Prescribing Practicum - Level 9

Clinical practicum facilitating mastery of the Nursing Council of New Zealand Nurse Practitioner (NP) competencies for autonomous clinical practice in the Nurse Practitioner scope of practice. Critically analyse clinical cases and develop evidence-informed and innovative solutions through expert consultation and primary literature review. Students will prepare a portfolio demonstrating expert autonomous clinical practice for complex medical and nursing problems.

Prerequisite: NURSING 743

NURSING 741 30 Points
Education for Clinical Practice

Professional learning is essential to enable healthcare professionals to function competently in the complex world of clinical practice. Health care professionals are required to become actively involved in teaching colleagues involved in healthcare and patients. Effective clinical teaching and learning is enabled by laying a foundation in educational theory and practice.

NURSING 742 30 Points
Biological Science for Practice

Focuses on common pathologies acknowledging the New Zealand Health Strategy, giving particular attention to areas where health promotion, preventative care, chronic disease management and cost impact for New Zealand.

NURSING 743 30 Points
Nurse Practitioner Advanced Practicum

Synthesises advanced clinical decision making within the Nurse Practitioner competency framework and prepares for autonomous clinical practice.

Prerequisite: NURSING 785

NURSING 744 30 Points
Critical Care Specialty Nursing Practicum

Gives critical care nurses the opportunity to extend their clinical skills and practice knowledge and to advance clinical decision-making by utilising a range of guided learning experiences. The focus is on continued development of clinical expertise, using a practice development approach emphasising person-centred, evidence-based practice, and critical thinking practice to improve health outcomes.

To complete this course students must enrol in NURSING 744 A and B, or NURSING 744

NURSING 745 30 Points
Principles of Medication Management

Focuses on the principles and practice of medication management to improve and extend the knowledge and skills of registered nurses in clinical specialty roles and prepare them for delegated prescribing roles in partnership with clients and collaborating with medical colleagues and the health care team. It is not the intention of this course to prepare nurses for authorised prescribing (nurse practitioner).

Restriction: NURSING 761

NURSING 746 30 Points**Evidence-based Practice and Implementation - Level 9**

Considers the types of evidence that inform nursing practice and implementation, and examines barriers and enablers to the application of evidence to practice. Provides students with the tools to locate and appraise evidence and requires the student to engage in research activities resulting in a substantial research essay.

Restriction: NURSING 720

NURSING 748 30 Points**Primary Health Care Nursing**

Assists primary healthcare nurses working in diverse settings to put population health principles into practice through primary healthcare. Determinants of health, equity, community empowerment, partnerships and effective ways to care for people with long-term conditions in communities will be explored.

Restriction: HLTHSCI 702, NURSING 772

NURSING 749 30 Points**Special Topic: Whānau Ora – Tahī**

The concept of Whānau Ora is to achieve maximum health and well-being for whānau. Students' knowledge of the concept will be extended and an understanding of Whānau Ora in nursing praxis will be demonstrated. Through guided learning experiences, clinical and academic support, students will self-reflect on nursing praxis and explore equity and social justice in the context of Te Tiriti o Waitangi.

NURSING 773 30 Points**Advanced Assessment and Clinical Reasoning**

Nurses make a variety of clinical decisions in their daily practice. Advanced nursing practice requires skilled health examination, consideration of differential diagnoses, interpretation of diagnostic tests and evidence-based diagnostic reasoning. This complex cognitive process is developed in relation to skills and knowledge required for safe clinical reasoning.

Restriction: NURSING 770

NURSING 774 30 Points**Nursing People in Acute Mental Health Crisis**

The concept of recovery forms the basis of exploring nursing care of people in states of acute crisis. The course focuses on models of acute care, collaborative care, risk assessment and management, and maintaining a safe, non-coercive environment. Students will be expected to engage in critical reflection and analysis of practice issues and case studies.

NURSING 775 30 Points**Leadership and Management for Quality Health Care**

Builds management and leadership knowledge, competence and business acumen through project based learning. Focuses on critical thinking, quality service delivery and improvements and maximises organisational performance and change management.

NURSING 778 30 Points**Health Promotion and Early Detection of Cancer**

Examines the latest knowledge and research available around health promotion, risk assessment and early intervention for cancer and consider the implications for nursing practice. Content addressed includes epidemiology, genetic risk, nutrition, lifestyle and environmental screening, surveillance, government policies and interventions.

Restriction: NURSING 767

NURSING 779 30 Points**Special Studies****NURSING 780 30 Points****Mental Health and Addiction Nursing**

Introduces a person-focused theoretical framework to explore mental health and addiction problems in healthcare. Conceptualises mental health and addiction problems as frequently co-occurring. Engagement, assessment, collaborative solution focused interventions, referral and care coordination will be explored.

NURSING 782 30 Points**Research Methods in Nursing and Health**

Explores the philosophical underpinnings of research methodologies and assists students to understand the major distinctions between quantitative and qualitative approaches. Students will critique research studies and apply research findings to practice. They will gain a practical appreciation of research ethics. By the end of the course, students will be able to apply their learning to the development of a basic research proposal.

Restriction: NURSING 768

NURSING 783 30 Points**Special Topic: Pae Ora**

Pae Ora encourages the wider health sector to work collaboratively, to provide high-quality and effective health and disability services at all levels. This course has been designed for those who wish to develop and consolidate a sophisticated understanding of the principles of Pae Ora (Mauri Ora – healthy individuals; Whānau Ora – healthy families; Wai Ora – healthy environments) in their practice area.

NURSING 784 30 Points**Advanced Emergency Nursing Practicum**

Specialty Emergency nurses provide advanced nursing care and need expertise in assessment, diagnostic processes and therapeutic decision making. Advanced assessment skills along with injury and condition specific management models are taught with a focus on clinical decision making for clients in emergency and accident and medical clinic settings. Designed to refine advanced emergency nursing skills for nurses working in specialty emergency nursing roles.

Prerequisite: NURSING 773 or equivalent, and practising in an advanced nursing role

NURSING 785 30 Points**Clinical Reasoning in Pharmacotherapeutics - Level 9**

Builds on prior knowledge to establish an advanced understanding of pharmacotherapeutics and the application of the principles of pharmacokinetics, pharmacodynamics to prescribing practice in advanced practice roles; and develops nursing skills in clinical reasoning for safe and effective prescribing.

Prerequisite: NURSING 742, and 770 or 773 or NURSPRAC 720

Restriction: NURSING 706, 722

NURSING 787 30 Points**Fundamentals of Nursing Care**

Introduces the novice student to professional and theoretical knowledge in nursing; including clinical assessment skills, cultural awareness and specific ethical issues in nursing. Provides an overview of theories, policies and structures related to the New Zealand health context.

NURSING 789 30 Points**Research Project - Level 9**

NURSING 790A	45 Points
NURSING 790B	45 Points
Research Portfolio - Level 9	
Supervised research that represents the personal scholarly work of a student based on a coherent area of inquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or scope of practice. <i>To complete this course students must enrol in NURSING 790 A and B</i>	
NURSING 795	60 Points
NURSING 795A	30 Points
NURSING 795B	30 Points
Dissertation - Level 9	
<i>Restriction: NURSING 792</i> <i>To complete this course students must enrol in NURSING 795 A and B, or NURSING 795</i>	
NURSING 796A	60 Points
NURSING 796B	60 Points
Thesis - Level 9	
<i>To complete this course students must enrol in NURSING 796 A and B</i>	
NURSING 797A	60 Points
NURSING 797B	60 Points
Research Portfolio - Level 9	
Supervised research that represents the personal scholarly work of a student based on a coherent area of inquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or scope of practice. <i>To complete this course students must enrol in NURSING 797 A and B</i>	

Nursing Practice

Postgraduate 700 Level Courses

NURSPRAC 701	30 Points	
Cardiac Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of cardiac patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice of cardiac nursing. <i>Restriction: NURSING 730</i>		
NURSPRAC 702	30 Points	
Critical Care Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of critical care patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice of critical care nursing. <i>Restriction: NURSING 730</i> <i>To complete this course students must enrol in NURSPRAC 702 A and B, or NURSPRAC 702</i>		
NURSPRAC 703	30 Points	
NURSPRAC 703A	15 Points	
NURSPRAC 703B	15 Points	
Paediatric Cardiac Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of paediatric cardiac patients. Students will be expected to		
integrate evidence from a range of sources and apply this to the practice of paediatric cardiac nursing. <i>Restriction: NURSING 730</i> <i>To complete this course students must enrol in NURSPRAC 703 A and B, or NURSPRAC 703</i>		
NURSPRAC 704	30 Points	
Cancer Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of patients with cancer. Students will be expected to integrate evidence from a range of sources and apply this to the practice of cancer nursing. <i>Restriction: NURSING 730</i>		
NURSPRAC 706	30 Points	
Orthopaedic Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of orthopaedic patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice of orthopaedic nursing. <i>Restriction: NURSING 730</i>		
NURSPRAC 707	30 Points	
Registered Nurse First Surgical Assist		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of surgical patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice of RNFA nursing. <i>Restriction: NURSING 730</i>		
NURSPRAC 708	30 Points	
Emergency Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of patients in the emergency setting. Students will be expected to integrate evidence from a range of sources and apply this to the practice of emergency nursing. <i>Restriction: NURSING 730</i>		
NURSPRAC 710	30 Points	
Palliative Care Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of palliative care patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice of palliative care nursing. <i>Restriction: NURSING 730</i>		
NURSPRAC 711	30 Points	
Pain Nursing Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of patients experiencing pain. Students will be expected to integrate evidence from a range of sources and apply this to the practice of nursing patients with pain. <i>Restriction: NURSING 730</i>		
NURSPRAC 712	30 Points	
Diabetes Specialty Nursing		
Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of diabetic patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice of nursing patients with diabetes. <i>Restriction: NURSING 730</i>		

NURSPRAC 713 30 Points
Paediatric Intensive Care Nursing
 Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of paediatric intensive care patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice.
Restriction: NURSING 730

NURSPRAC 715 30 Points
Endoscopy Specialty Nursing
 Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of patients undergoing an endoscopy procedure. Students will be expected to integrate evidence from a range of sources and apply this to the practice of endoscopy nursing.
Restriction: NURSING 730

NURSPRAC 716 30 Points
Ophthalmology Specialty Nursing
 Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of ophthalmology patients. Students will be expected to integrate evidence from a range of sources and apply this to the practice of ophthalmology nursing.
Restriction: NURSING 719

NURSPRAC 717 30 Points
Practicum for RN Designated Prescribers
 Prepares registered nurses to apply for prescribing rights as Designated Prescribers. Provides nurses with the opportunity to develop knowledge and skills in the application of pharmacotherapeutic concepts to prescribing as a designated prescriber. This includes direct supervision of prescribing activities in the clinical area and the ability to work closely and effectively in a multidisciplinary team environment.
Prerequisite: NURSING 742, 773, 785

NURSPRAC 718 30 Points
Contemporary Mental Health and Addictions Nursing Practice
 Explores contemporary mental health and addictions nursing practice from both socio-political and practice-skills perspectives. Focuses on developing awareness of the unique mental health and addictions context of Aotearoa/New Zealand and the cultural and values based practices and policies which have emerged. Builds on foundational therapeutic and interpersonal skills and develops knowledge and skills in contemporary, evidence-based mental health and addictions nursing interventions.
Restriction: NURSING 786

NURSPRAC 719 30 Points
Clinical Practice in Mental Health and Addictions
 A clinically based course focusing on history taking, assessment, formulation and nursing care planning. There is an emphasis on mental health, physical health and addictions assessment and the development of nursing formulation skills.

NURSPRAC 720 30 Points
Advanced Mental Health Assessment - Level 9
 A clinically based course covering history taking, assessment and case formulation in advanced clinical practice for mental health nurses. There is an emphasis on comprehensive mental health assessment, and negotiation of a client-focused plan of care.

NURSPRAC 721 45 Points
Integrative Nursing Practice
 A problem-based course where students develop the knowledge and assessment skills associated with nursing clients across a variety of clinical settings. The course provides learning opportunities for students to gain knowledge, skills and develop attitudes that will ensure safe nursing practice. Principles of medication management to prepare students for practice as a registered nurse are integrated into the course.

NURSPRAC 722 30 Points
Transition to Professional Nursing Practice
 Enables students to transition from student to registered nurse through an extended period of clinical practice. Integration of nursing knowledge and legal and ethical parameters of competency will occur alongside the development of autonomy and accountability of practice.

NURSPRAC 723 30 Points
Paediatric Intensive Care Nursing Practicum
 Extends specialised nursing skills for the nurse in paediatric cardiac and intensive care settings. Through guided learning experiences and support from clinical and academic mentors, students set and achieve individual learning goals. Focus is on practice development and clinical leadership, demonstrating understanding of quality healthcare and the socio-political and cultural contexts of health and wellbeing.
Prerequisite: NURSPRAC 713
Restriction: NURSING 730, 744

NURSPRAC 724 30 Points
Special Topic: RN First Surgical Assist Practicum
 Refines specialised nursing skills for expanded scope of practice for a Registered Nurse First Surgical Assistant. Through guided learning experiences and support from clinical and academic mentors, students set and achieve individual learning goals. Focus is on practice development and clinical leadership, demonstrating an understanding of quality healthcare and socio-political and cultural contexts of health and wellbeing.
Prerequisite: NURSPRAC 707
Restriction: NURSING 730, 744

NURSPRAC 725 30 Points
Special Topic: Endoscopy Nursing Practicum
 Refines specialised nursing skills for the expanded scope of practice for Nurses performing endoscopy. Through guided learning experiences and support from clinical and academic mentors, students set and achieve individual learning goals. Focus is on the development of practice and clinical leadership, demonstrating understanding of quality healthcare standards and the socio-political and cultural contexts of health and wellbeing.
Prerequisite: NURSPRAC 715
Restriction: NURSING 730, 744

NURSPRAC 726 30 Points
Mental Health Nursing Practicum
 Extends mental health nurses' knowledge and skills in clinical practice, scholarly activity, and leadership to improve health outcomes. Through guided learning experiences and support from clinical and academic mentors, students set and achieve individual learning goals. Focus is on the development of person-centred, reflective practice demonstrating understanding of the socio-political and cultural contexts of health and wellbeing.
Restriction: NURSING 744

NURSPRAC 727 30 Points
Perioperative Nursing Specialty
 Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of patients across the perioperative continuum. Students will integrate evidence from a range of sources and apply this to the practice of caring for people requiring surgical intervention.

NURSPRAC 728 30 Points
Frailty in Aged Care Nursing
 Frailty is an age-related, progressive geriatric syndrome related to pathological changes in underlying physiological and psycho-social function and the leading cause of mortality and morbidity in older people. Draws on evidence from biomedical and social science research to equip nurses for the care and treatment of older people affected by frailty.

NURSPRAC 729 30 Points
Special Topic

NURSPRAC 730 30 Points
Special Topic

NURSPRAC 731 30 Points
Special Topic

NURSPRAC 732 30 Points
Special Topic

Obstetrics and Gynaecology

Postgraduate 700 Level Courses

OBSTGYN 705 15 Points
Special Topic in Obstetrics and Gynaecology

OBSTGYN 712 15 Points
Contraception and Pre and Early Pregnancy
 An evidence-based approach to contraception and pre and early pregnancy care. Mechanisms, side effects and contraindications of methods of contraception are covered. Pre pregnancy care will include preconceptual counselling and the psycho-social aspects of pregnancy care such as effects of drugs, alcohol, smoking and travel. Best practise and referral guidelines for early pregnancy ante natal care will be covered including diagnosis and management of early pregnancy problems such as recurrent miscarriage, ectopic pregnancy, gestational trophoblastic disease and hyperemesis.

OBSTGYN 713 15 Points
Pregnancy and Postnatal Care in the Community
 Common problems of pregnancy for primary care. Includes pregnancy care in the community, obstetric emergencies, common disorders in pregnancy, birth matters, the immediate postpartum period, the newborn.

OBSTGYN 715 15 Points
Medical Gynaecology 1
 Women's health and sexually transmitted diseases, menstrual disorders, pelvic pain and dyspareunia, vulva problems and vaginal discharge, menopause management.

OBSTGYN 716 15 Points
Medical Gynaecology 2
 Pathophysiology and clinical management of infertility, gynaecological malignancies, family violence, adolescent gynaecology, termination of pregnancy, urogynaecology.

OBSTGYN 717 30 Points
OBSTGYN 717A 15 Points
OBSTGYN 717B 15 Points

Practical Obstetrics and Gynaecology

Practice of obstetrics and medical gynaecology, practical procedures in obstetrics and gynaecology including competency in examinations, cervical smear taking, and insertion of intrauterine contraceptive devices. Competency in normal labour and delivery and minor surgical procedures encountered in obstetric practice. Requires the completion of a logbook approved by the Clinical Supervisor and Head of Department.

Corequisite: OBSTGYN 721 and 722, or 724 and 725

To complete this course students must enrol in OBSTGYN 717 A and B, or OBSTGYN 717

OBSTGYN 722 15 Points
Gynaecology Residential

Approaches to women's health issues, history and examination principles and procedures, issues of screening, hormone replacement therapy and case-based studies. This course must be completed prior to students sitting the clinical and written examinations.

Restriction: OBSTGYN 719

OBSTGYN 723 15 Points
Special Studies

OBSTGYN 724 15 Points
Obstetrics Residential

Attitudes to women's health, including cultural and ethical issues. History-taking techniques and techniques for minor procedures are developed.

Restriction: OBSTGYN 721

OBSTGYN 725 15 Points
Gynaecology Residential

Approaches to women's health issues, principles and procedures associated with history-taking and examination. Issues of screening, hormone replacement therapy and other case-based studies are addressed.

Restriction: OBSTGYN 722

Ophthalmology

Postgraduate 700 Level Courses

OPHTHAL 703 30 Points
Special Topic: Research Methods and Skills for Eye Research

A comprehensive overview, focusing primarily on the ophthalmic arena. Includes: research, methodologies, literature reviews, implementation and appraisal of qualitative and quantitative research, developing research questions and writing up of research for presentation and publication. Provides skills specific to eye research that may not be relevant to other health care professionals.

OPHTHAL 704 30 Points
Special Topic: Ophthalmic Technology

The theory, basic principles, techniques and interpretation of results for ophthalmic technology used in the diagnosis and treatment of eye disease. Technology covered includes: slit lamp biomicroscopy, tonometry, A-scan ultrasound, keratometry; IOL master, HRT, OCT, computerised topography, anterior segment photography, FFA, autorefraction and therapeutic lasers. The latest advances in ophthalmic technology will also be included.

OPHTHAL 705 30 Points**Special Topic: Management of Acute Eye Disease**

Overview of the diagnosis and management of 'acute eye conditions' in the community and hospital settings including: signs and symptoms, differential diagnosis, treatment modalities and medium term management.

OPHTHAL 706 30 Points**Special Study in Ophthalmology**

To provide an opportunity to study a selected field of ophthalmology at an advanced level by undertaking a detailed review of a selected topic or undertaking a research project in a field related to ophthalmology.

Optometry and Vision Science**Stage II****OPTOM 216A** 15 Points**OPTOM 216B** 15 Points**Introduction to Optometry**

A clinically-focused course introducing students to optometric practice and addressing, at an introductory level, the ethical, cultural, theoretical and clinical aspects of the optometric examination. Topics covered include: preliminary tests from the eye examination, communication skills and clinical problem solving. The course will emphasise assessment utilising advanced equipment and the production of clinically relevant outcomes and diagnosis-supportive hypotheses.

To complete this course students must enrol in OPTOM 216 A and B

OPTOM 263A 15 Points**OPTOM 263B** 15 Points**Essential Optics**

An introduction to optics relevant to optometry and necessary to understand the optical performance of the eye, the design of ophthalmic lens applications, and the principles of operation of clinical instrumentation. Topics include; the basic principles of physical optics, the principles of image formation by lenses and lens systems mirrors and prisms, optics of the eye, ocular ametropia and aberrations.

Restriction: OPTOM 215, 262, 265

To complete this course students must enrol in OPTOM 263 A and B

OPTOM 272A 15 Points**OPTOM 272B** 15 Points**Visual Science 1: Structure and Function of the Visual System**

Anatomy and physiology of the eye and visual pathway. Topics include composition and structure of the tear film, neural processing in the visual cortex, aspects of visual function including spatial and temporal vision, motion perception and colour vision. Investigation of visual perception using psychophysical and electrophysiological techniques.

Restriction: OPTOM 151, 170, 171

To complete this course students must enrol in OPTOM 272 A and B

OPTOM 292A 7.5 Points**OPTOM 292B** 7.5 Points**Issues in Optometry**

Topics of special interest to students entering Optometry from overseas and from the graduate entry quota.

Prerequisite: Permission of Head of School

Restriction: OPTOM 191

To complete this course students must enrol in OPTOM 292 A and B

Stage III**OPTOM 316A** 30 Points**OPTOM 316B** 30 Points**Optometry**

An integrative approach to the scope of optometric practice, addressing both the theoretical basis and clinical practice of the optometric examination, correction of refractive error and dispensing of optical appliances. Topics covered include: visual acuity, visual fields, colour vision, biomicroscopy, ophthalmoscopy, refractive examination, binocular examination, optical correction, lens materials and coatings, history taking, communication skills and clinical problem solving.

Restriction: OPTOM 211, 212, 265, 313, 314, 365, 366

To complete this course students must enrol in OPTOM 316 A and B

OPTOM 345A 7.5 Points**OPTOM 345B** 7.5 Points**Principles of Ocular Pharmacology**

General principles of pharmacology. Pharmacodynamics. Drug absorption, distribution and metabolism. Mechanism of drug action at receptors. Drugs and their application on ophthalmic practice. The autonomic nervous system: anatomy and physiology. Mechanisms of action of ocular pharmaceutical agents. Principles of pharmacological treatment of ocular disease. Drug interactions. Legislation on use of ocular pharmaceutical agents by optometrists in New Zealand and internationally. Introduction to therapeutic agents in optometric practice. Scope of treatment. Shared care.

Prerequisite: OPTOM 171 or 272

Restriction: OPTOM 245

To complete this course students must enrol in OPTOM 345 A and B

OPTOM 353A 7.5 Points**OPTOM 353B** 7.5 Points**Ocular Pathology**

Pathophysiology of the eye. Histopathology of eye disease. Pathology of orbit, lacrimal system, conjunctiva, cornea, uvea, lens and retina. Developmental anomalies of the eye.

Restriction: OPTOM 251

To complete this course students must enrol in OPTOM 353 A and B

OPTOM 375A 7.5 Points**OPTOM 375B** 7.5 Points**Visual Science 2**

To provide an understanding of visual information processing in human brain. In particular the cortical processing of shape, motion and colour, and development of the visual cortex will be addressed. A problem-oriented approach will develop critical thinking and problem solving skills. Students will acquire the ability to seek, evaluate

and retrieve scientific information on which to base their clinical practice.

Restriction: OPTOM 270

To complete this course students must enrol in OPTOM 375 A and B

OPTOM 392A 7.5 Points

OPTOM 392B 7.5 Points

Issues in Optometry 2

Prerequisite: Permission of Head of School

Restriction: OPTOM 291

To complete this course students must enrol in OPTOM 392 A and B

Stage IV

OPTOM 416A 15 Points

OPTOM 416B 15 Points

Clinical Optometry

Facilitates the transition from student to professional optometrist. Topics addressed include: structuring the routine optometric examination in a clinical setting, diagnosis and management of disorders of the visual system, case analysis, myopia control, visual ergonomics, vision screening, and visual standards. This course culminates in students examining and managing clients in the public University Clinics under supervision.

Restriction: OPTOM 312, 415

To complete this course students must enrol in OPTOM 416 A and B

OPTOM 430A 7.5 Points

OPTOM 430B 7.5 Points

Contact Lens Practice

Principles of contact lens fitting and clinical procedures used in contact lens practice. Topics include: current designs of contact lenses, soft and rigid materials used in contact lens manufacture, contact lens optics and verification techniques, contact lens fitting, patient contact lens care, and complications associated with contact lens wear.

Restriction: OPTOM 330

To complete this course students must enrol in OPTOM 430 A and B

OPTOM 442A 7.5 Points

OPTOM 442B 7.5 Points

Optometry for Special Populations

An advanced clinical course including consideration of visual disorders specific to children, adults with binocular vision abnormalities, or those with visual impairment including the older population. Topics include: developmental aspects and assessment of infants/children, investigation and management of binocular eye-movement disorders; and diagnosis and management of vision problems in visually impaired patients including electronic, optical and non-optical low vision appliances.

Restriction: OPTOM 341, 440, 441

To complete this course students must enrol in OPTOM 442 A and B

OPTOM 450A 15 Points

OPTOM 450B 15 Points

Diseases of the Eye and Visual System: Diagnosis and Management

Signs, symptoms and diagnosis of diseases of the eye, ocular adnexa and visual system, including neurological dysfunction and signs of systemic disease. Management of diseases of eye, ocular adnexa and visual system,

including the use of therapeutic agents. Indications, contraindications and side effects of therapeutic agents for the treatment of ocular disease.

Restriction: OPTOM 351, 352, 355

To complete this course students must enrol in OPTOM 450 A and B

OPTOM 492A 7.5 Points

OPTOM 492B 7.5 Points

Issues in Optometry 3

Prerequisite: Permission of Head of School

Restriction: OPTOM 391

To complete this course students must enrol in OPTOM 492 A and B

Stage V

OPTOM 510A 15 Points

OPTOM 510B 15 Points

Advanced Clinical Optometry 1

Clinical work with responsibility, under supervision, for patients.

Restriction: OPTOM 410

To complete this course students must enrol in OPTOM 510 A and B

OPTOM 520A 15 Points

OPTOM 520B 15 Points

Advanced Clinical Optometry 2

Clinical work with greater emphasis on particular areas in optometry including: contact lenses, low vision, binocular vision, paediatric optometry and practice management.

Restriction: OPTOM 420

To complete this course students must enrol in OPTOM 520 A and B

OPTOM 560A 15 Points

OPTOM 560B 15 Points

Optometry in Practice

Supervised clinical work in locations external to the Grafton Campus Optometry Clinic. These locations may include University satellite clinics, private optometry practice, hospital eye departments, overseas institutions, or experience in other approved locations. Lectures address; legislation relevant to healthcare including registration and competency, occupational safety and health, ethics, practice management, small business management.

Restriction: OPTOM 462

To complete this course students must enrol in OPTOM 560 A and B

OPTOM 561A 30 Points

OPTOM 561B 30 Points

Optometry in Practice

Advanced clinical work experience in locations external to the Grafton Campus Optometry Clinic. These locations may include University satellite clinics, private optometry practices, hospital eye departments, private ophthalmology practices, overseas institutions, or other approved locations. Topics include; therapeutic management of eye disease, legislation relevant to healthcare including registration and competency, occupational safety and health, ethics, practice management, small business management.

Restriction: OPTOM 462, 560

To complete this course students must enrol in OPTOM 561 A and B

OPTOM 570A	15 Points
OPTOM 570B	15 Points

Research in Advanced Optometric Science

Study modules on a range of topics in optometry and vision science, with the focus being on developing an evidence-based approach on selected topics. Study will include supervised investigations into an approved topic relating to optometry and vision science, including clinical and applied research.

Prerequisite: OPTOM 416, 430, 442, 450

Restriction: OPTOM 470, 473, 475, 480

To complete this course students must enrol in OPTOM 570 A and B

OPTOM 592A	7.5 Points
OPTOM 592B	7.5 Points

Issues in Optometry 4

A number of special topics in Clinical Skills. Further information may be obtained from the School of Optometry and Vision Science.

Prerequisite: Permission of Head of School

Restriction: OPTOM 491

To complete this course students must enrol in OPTOM 592 A and B

Postgraduate 700 Level Courses

OPTOM 751A	15 Points
OPTOM 751B	15 Points

Special Study in Vision Science

The study of selected fields of vision science at an advanced level with detailed study of a particular field. The topic will be prescribed by the Head of School.

To complete this course students must enrol in OPTOM 751 A and B, or OPTOM 751

OPTOM 752A	15 Points
OPTOM 752B	15 Points

Special Study

To complete this course students must enrol in OPTOM 752 A and B, or OPTOM 752

OPTOM 757A	15 Points
OPTOM 757B	15 Points

Special Study in Optometry

The study of selected fields of optometry at an advanced level with detailed study of the particular field. The topic will be prescribed by the Head of School.

To complete this course students must enrol in OPTOM 757 A and B

OPTOM 759A	15 Points
OPTOM 759B	15 Points

Special Study

To complete this course students must enrol in OPTOM 759 A and B, or OPTOM 759

OPTOM 783A	15 Points
OPTOM 783B	15 Points

Research Project in Vision Science - Level 9

Supervised research that represents the personal scholarly work of a student based on a coherent inquiry at an advanced level into an approved topic related to vision science.

Corequisite: OPTOM 416, 430, 442, 450

Restriction: OPTOM 473, 570

To complete this course students must enrol in OPTOM 783 A and B

OPTOM 791A	45 Points
OPTOM 791B	45 Points

Research Portfolio in Clinical Optometry - Level 9

Advanced clinical optometry research in a chosen sub-specialist area of optometric practice. The area of special interest may include contact lenses, low vision, paediatric optometry, binocular vision, ocular disease management, or any other area approved by the Head of School.

To complete this course students must enrol in OPTOM 791 A and B

OPTOM 796A	60 Points
OPTOM 796B	60 Points

MSc Thesis in Optometry - Level 9

To complete this course students must enrol in OPTOM 796 A and B

Paediatrics**Diploma Courses**

PAEDS 601A	60 Points
PAEDS 601B	60 Points

Diploma in Paediatrics

Covers: genetic and antenatal factors in development, neonatal paediatrics, assessment of a child's physical, intellectual, emotional and social needs, epidemiology of childhood disease, cultural factors and child health, general and preventative paediatrics, management of common disorders of childhood, and the practical working of the statutory and voluntary services available in New Zealand for the care of children. A logbook and dissertation must be completed.

To complete this course students must enrol in PAEDS 601 A and B

Postgraduate 700 Level Courses

PAEDS 700	15 Points
Special Topic	

PAEDS 704	15 Points
Special Studies in Paediatrics	

Advanced study in a specific area, usually related to the field of study of the thesis.

PAEDS 705	15 Points
Neonate and Infant Health	

Students will learn about the pathogenesis, diagnosis and clinical management of common medical issues which affect infants from birth through the first year of life. Students will gain both theoretical and practical skills in clinical topics that affect neonates and infants.

PAEDS 706	30 Points
PAEDS 706A	15 Points
PAEDS 706B	15 Points

Paediatric Care (Toddler-Adolescent)

Focuses on the pathogenesis, diagnosis and clinical management of common acute and chronic medical issues that affect infants, children, adolescents and young adults from the first year of life onwards. Students will develop both practical and theoretical skills.

To complete this course students must enrol in PAEDS 706 A and B, or PAEDS 706

PAEDS 707A 30 Points
PAEDS 707B 30 Points
Clinical Portfolio
 Students will draw on their paediatric clinical exposure to reflect and modify clinical practice to meet best practices. Students will be given the opportunity to apply complex clinical theory in a structured framework. Students will develop a deep understanding of the theoretical underpinnings in paediatric clinical medicine and proficiency to apply relevant skills.
Prerequisite: PAEDS 705, 706, 714
To complete this course students must enrol in PAEDS 707 A and B

PAEDS 708 15 Points
Population Youth Health
 Youth injury prevention, resiliency factors and reproductive issues, and advocacy for young people. How do you make a difference in youth health? This course introduces key concepts in population youth health and utilises an evidence based approach and New Zealand practice examples to consider how youth health can be improved in communities and populations.
Restriction: POPLHLTH 732

PAEDS 710 15 Points
Clinical Care of Gender Diverse Youth
 To develop and advance skills, knowledge and expertise in the clinical care of young transgender people.
Corequisite: PAEDS 712

PAEDS 712 15 Points
Youth Health Clinical Skills
 Develops and extends knowledge and skills in clinical interviewing, comprehensive assessments and effective interventions with young people.

PAEDS 714 15 Points
Emergency Paediatrics
 Designed for health care providers involved in the delivery of acute emergency care to children, this course combines theoretical knowledge with clinical practice. Students will learn to recognise and manage the important paediatric medical and surgical emergencies including the approach to the febrile child, management of seizures and the recognition and management of other acute medical and surgical paediatric conditions.

PAEDS 719 15 Points
Health, Education and Youth Development
 Examines the overlap of health and education in the context of youth development by exploring the impact of past and current developments and strategies in both sectors on the wellbeing of young people. It reviews the 'business' of schools, the Health and Physical Education curriculum, school-based health and support services, whole school approaches to health, and the health and education needs of students not engaged with the school system.

PAEDS 720 15 Points
Advanced Youth Health
 Extends students' knowledge of youth health and well-being and develops knowledge and skills for supporting or leading improvements or projects in youth health. Will include advanced understandings of youth development and develop youth health project ideas or service improvements for clinical, research or policy settings.

PAEDS 721 15 Points
Clinical Care of Adolescents and Young Adults with Cancer
 To develop and advance skills, knowledge and expertise in the clinical care of adolescents and young adults with cancer.
Prerequisite: PAEDS 712

PAEDS 722 15 Points
Youth Health Practicum
 Aims to give clinicians the opportunity to extend their professional youth health skills and expertise through a supervised self-directed learning practicum in youth health.
Prerequisite: PAEDS 720

PAEDS 723 30 Points
Research Methods in Child Health and Paediatrics - Level 9
 Advanced exploration of the principles of epidemiology and their application to child health research, critical appraisal of scientific evidence, assessing ethical issues in child health research, developing research proposals, application of quantitative statistical methods, and appropriate reporting of health research. Equips students with theoretical knowledge and practical, analytical and critical thinking skills to design and undertake robust research.

PAEDS 790A 15 Points
PAEDS 790B 15 Points
Research Project - Level 9
 Supervised research that represents independent scholarly work. Students are required to submit a written scientific report based on a methodical investigation at an advanced level into a topic related to child health.
Prerequisite: PAEDS 723
To complete this course students must enrol in PAEDS 790 A and B

Pharmacology

Stage III

PHARMCOL 399 15 Points
Capstone: Integrated Pharmacology
 A capstone that applies fundamental principles of pharmacology and toxicology to the safe, effective and responsible use of drugs through investigation of a current area of pharmacological research. Emphasises experimental design, data collection, analysis, interpretation and presentation, as the scientific basis for rational, evidence-based decision-making.
Prerequisite: MEDSCI 204 and 30 points from MEDSCI 203, 205, 206, BIOSCI 203, and 30 points from MEDSCI 318-320
Restriction: MEDSCI 399

Postgraduate 700 Level Courses

PHARMCOL 787 60 Points
PHARMCOL 787A 30 Points
PHARMCOL 787B 30 Points
Dissertation - Level 9
Restriction: PHARMCOL 788, 789
To complete this course students must enrol in PHARMCOL 787 A and B, or PHARMCOL 787

PHARMCOL 788	45 Points
PHARMCOL 788A	22.5 Points
PHARMCOL 788B	22.5 Points

BSc(Hons) Dissertation - Level 9*Restriction: PHARMCOL 789**To complete this course students must enrol in PHARMCOL 788 A and B, or PHARMCOL 788*

PHARMCOL 796A	60 Points
PHARMCOL 796B	60 Points

MSc Thesis in Pharmacology - Level 9*To complete this course students must enrol in PHARMCOL 796 A and B*

Pharmacy

Stage I

PHARMACY 111G	15 Points
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Drugs and Society

The use of drugs in society including historical perspectives. Selected examples of the use of medicines in disease, recreational drug use and drug misuse, and cultural and ethnic influences on drug use. Differences between conventional and complementary medicines. The role of the pharmaceutical industry in drug discovery, manufacture and promotion. Legal and ethical issues pertaining to access to pharmaceuticals.

PHARMACY 199	0 Points
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English Language Competency

To complete this course students must attain a level of competency in the English language as determined by the School of Pharmacy. This course must be completed prior to enrolling in PHARMACY 213.

Stage II

PHARMACY 211	30 Points
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Applied Science for Pharmacy

Specific and selected aspects of chemistry, biochemistry, anatomy, physiology, immunology, microbiology, pathophysiology and pharmacology are explored in the context of beginning clinical pharmacy practice.

PHARMACY 212	30 Points
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Pharmaceutical Science and Practice

The properties of materials, principles of pharmaceutical formulation, design of drug delivery systems and routes of administration of drugs are considered. The skills for competent pharmacy practice in New Zealand, including law, ethics, medicines information, clinical communication, cultural competence and elements of human behaviour are introduced.

PHARMACY 213	60 Points
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Pharmacy 1

The optimal drug treatment of dermatological, infectious and gastrointestinal diseases and disorders is explored through an integrated multidisciplinary systems-based approach. Clinical and professional skills in law and ethics, critical appraisal, medicines information, pharmaceutical compounding and calculations, clinical communication and cultural competence are introduced. Introductory experiential learning placements in industry, hospital and community pharmacy sites are provided.

*Prerequisite: PHARMACY 199, 211, 212***Stage III**

PHARMACY 311	60 Points
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Pharmacy 2

Optimal drug treatment of respiratory, cardiovascular, renal and hepatic diseases and disorders are explored through an integrated multidisciplinary systems-based approach. Clinical pharmacy skills in law and ethics, dispensing, medicines information, adherence support, clinical communication, physical assessment and management are further developed. Experiential learning placements focus on development of pharmacy practice skills in community/hospital pharmacy settings throughout New Zealand.

Prerequisite: PHARMACY 211-213

PHARMACY 312	60 Points
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Pharmacy 3

Optimal drug treatment of endocrine, musculoskeletal, ocular, obstetric, gynaecological and urological diseases is explored through integrated multidisciplinary systems-based approaches. Clinical pharmacy skills in law, ethics, dispensing, medicines information, clinical communication, management, quality and safety, and research skills are further developed. Further experiential learning placements focus on development of pharmacy practice skills in community/hospital pharmacy settings throughout New Zealand.

*Prerequisite: PHARMACY 311***Stage IV**

PHARMACY 413A	15 Points
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PHARMACY 413B	15 Points
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Research Inquiry in Pharmacy

Research methodologies for health, pharmaceutical sciences and pharmacy practice. Students gain foundations in research methods and ethics, capabilities in synthesising literature, analysing data and presenting research findings. Students work in groups to explore, conduct, and present results of research inquiries in appropriate written and oral formats.

*Prerequisite: PHARMACY 312**Restriction: PHARMACY 410**To complete this course students must enrol in PHARMACY 413 A and B*

Postgraduate 700 Level Courses

PHARMACY 701	45 Points
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Medicine Optimisation 1

Evaluation of theoretical frameworks to assess health service design. Optimal drug treatment of cancers, neurological and psychiatric diseases and disorders are explored underpinned by critical appraisal of evidence. Clinical pharmacy skills in law, ethics, dispensing, aseptic compounding, medicines information, teamwork and leadership are consolidated. Advanced experiential learning placement opportunities are undertaken in sites throughout New Zealand and overseas locations.

*Prerequisite: PHARMACY 312**Restriction: PHARMACY 411*

PHARMACY 702	45 Points
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Medicine Optimisation 2

Theories and critical appraisal of evidence applied to design health service innovations. Optimal treatment of musculoskeletal diseases, disorders and pain, children's and older persons' health issues, patients with multiple morbidities explored through an integrated multidisciplinary

systems-based approach. Clinical pharmacy skills in law, ethics, dispensing, medicines information, teamwork, leadership, pharmacoeconomics and health technology are further developed. Advanced experiential learning placement opportunities.

Prerequisite: PHARMACY 701

Restriction: PHARMACY 412

PHARMACY 750 30 Points

Pharmaceutical Formulation

Physiological and physicochemical factors in drug delivery and formulation of pharmaceutical products. Consideration of both traditional (e.g., solutions, semi-solids, solids, aerosols) and novel (e.g., liposomal) drug delivery systems based on the experimental literature.

PHARMACY 751 30 Points

Pharmaceutical Techniques

Experimental and analytical techniques in the assessment of pharmaceutical products and of drug action in biological systems. Consideration of pharmacopoeial and official standards, drug stability and drug metabolism.

PHARMACY 752 15 Points

Pharmaceutical Quality Assurance

Principles of good manufacturing practice (GMP), quality assurance and quality control as applied to pharmaceutical products and processes. Consideration of relevant industrial processes, legislation, safety issues, packaging, labelling, stability and regulatory requirements.

PHARMACY 753 15 Points

Pharmaceutical Regulatory Affairs

To synthesise knowledge pertaining to the registration and licensing of pharmaceutical products nationally and internationally and to effectively apply regulatory principles to the introduction of new pharmaceutical products to the New Zealand and global market.

PHARMACY 754 15 Points

Pharmaceutical Science Research Proposal

A comprehensive critical study of the literature pertaining to the proposed thesis research. This will include a review of the relevant methodologies, the analysis of research results and the relationship of published work to the proposed research.

PHARMACY 760 15 Points

Literature Review in Pharmaceutical Sciences

A thorough investigation of the current literature in a specified area leading to a comprehensive review with the intent of a review publication.

PHARMACY 762 15 Points

Literature Review in Pharmacy Practice

A thorough investigation of the current literature in a specified area of pharmacy practice or pharmacotherapy leading to a comprehensive review with the intent of a review publication.

PHARMACY 763 15 Points

Case Studies in Pharmacy Practice

The investigation and construction of case studies in a current area of pharmacy practice to a quality suitable for submission for publication.

PHARMACY 764 30 Points

Medicines Information and Critical Appraisal

Develops advanced skills in the retrieval, evaluation and dissemination of medicines information, as well as the

ability to critically evaluate clinical literature in the context of selected common therapeutic areas.

PHARMACY 765 30 Points

Medicines Management and Pharmaceutical Care

Explores the concepts of medicines management and pharmaceutical care planning in the context of selected common therapeutic areas. The course will emphasise the role of the pharmacist in the optimisation of medicines therapy for individual patients.

Prerequisite: PHARMACY 764

PHARMACY 766 30 Points

Applied Pharmacotherapy

Embodies evidence-based practice and the philosophy of pharmaceutical care to achieve optimum therapeutic outcomes in patients with endocrine, cardiovascular, respiratory, mental health, neurological and gastrointestinal disease states.

Prerequisite: PHARMACY 764, 765

PHARMACY 767 30 Points

Advanced Pharmacotherapy

Explores current pharmacotherapeutics in the context of patients with complex pathologies and complex clinical needs, allowing for some specialisation in the student's areas of interest.

Prerequisite: PHARMACY 764, 765

PHARMACY 769 30 Points

Principles of Prescribing

Legal and ethical considerations; communication with patients and other health professionals; clinical reasoning and decision-making; physical assessment and diagnostic skills; 'mechanics' of prescribing; pharmacoeconomic considerations.

PHARMACY 770 30 Points

Prescribing Practicum

A practicum for prescribing: an experiential placement where the pharmacist develops experience in prescribing under the overarching guidance of a designated medical prescriber.

Prerequisite: PHARMACY 769

PHARMACY 771 15 Points

Special Studies

PHARMACY 772 15 Points

Special Studies

PHARMACY 773 30 Points

Special Topic

PHARMACY 774 30 Points

Special Topic

PHARMACY 789A 15 Points

PHARMACY 789B 15 Points

Research Project - Level 9

Supervised research that represents the personal scholarly work of a student based on a coherent inquiry at an advanced level into an approved topic related to pharmacy or health scholarship under supervision of School of Pharmacy academic staff and collaborators. Develop understanding about the nature and practice of research and capabilities in data analysis, academic writing and dissemination of research.

Prerequisite: PHARMACY 312

Restriction: PHARMACY 410, 413

To complete this course students must enrol in PHARMACY 789 A and B

PHARMACY 792	60 Points
PHARMACY 792A	30 Points
PHARMACY 792B	30 Points
Dissertation - Level 9	

To complete this course students must enrol in PHARMACY 792 A and B, or PHARMACY 792

PHARMACY 796A	60 Points
PHARMACY 796B	60 Points

Thesis - Level 9

To complete this course students must enrol in PHARMACY 796 A and B

PHARMACY 797A	60 Points
PHARMACY 797B	60 Points

Research Portfolio - Level 9

Supervised research that represents the personal scholarly work of a student based on a coherent area of enquiry. Culminates in a conclusive piece of work related to a specific area of specialisation or aspect of practice in health.

To complete this course students must enrol in PHARMACY 797 A and B, or PHARMACY 797

Physiology

Stage III

PHYSIOL 399	15 Points
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Capstone: Physiology

Advancements in science come through integrating knowledge and excellence in experimental design. Students will integrate and communicate knowledge attained during their physiology degree by developing a research proposal. Working in small groups, and in research group placements will explore scientific knowledge, and experimental design, as well as wider issues such as ethics, health economics, and Māori and Pasifika health advancement.

Prerequisite: 30 points at Stage III in Physiology

Restriction: BIOMED 399, MEDSCI 399, PHARMCOL 399

Postgraduate 700 Level Courses

PHYSIOL 787	60 Points
PHYSIOL 787A	30 Points
PHYSIOL 787B	30 Points

Dissertation - Level 9

Restriction: PHYSIOL 788, 789

To complete this course students must enrol in PHYSIOL 787 A and B, or PHYSIOL 787

PHYSIOL 788	45 Points
PHYSIOL 788A	22.5 Points
PHYSIOL 788B	22.5 Points

BSc(Hons) Dissertation - Level 9

Restriction: PHYSIOL 789

To complete this course students must enrol in PHYSIOL 788 A and B, or PHYSIOL 788

PHYSIOL 796A	60 Points
PHYSIOL 796B	60 Points

MSc Thesis in Physiology - Level 9

To complete this course students must enrol in PHYSIOL 796 A and B

Population Health

Stage I

POPLHLTH 101	15 Points
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Introduction to Health Systems

Provides an overview and understanding of the New Zealand health system, including: history of health and health service delivery in New Zealand; the role and functioning of hospitals; primary care; purchasers and funders of health services; the role of insurance and private healthcare providers.

POPLHLTH 102	15 Points
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Social Determinants of Health

A description and analysis of health within a social context. Discusses different models of health and provides a range of explanations for how social factors influence health. Options for addressing these issues are also explored.

POPLHLTH 103G	15 Points
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Epidemics: Black Death to Bioterrorism

Epidemics have devastated human populations and will continue to do so. This course looks at how epidemics can run rampant through society and how we can control them. It will include examples from the past and present, as well as outline future threats. A diversity of epidemics will be covered, from the plague, gambling, depression, pandemics, nun-biting and alien abduction.

POPLHLTH 111	15 Points
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Population Health

To introduce frameworks and tools for measuring and understanding and improving the health of populations, both locally and globally. These frameworks and tools are derived from epidemiology, demography, public health, environmental health and global health sciences.

Stage II

POPLHLTH 202	15 Points
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Research Methods in Health

Examines the different ways of approaching, designing and undertaking population health science research, covering research paradigms and methodologies, including both quantitative and qualitative methods.

POPLHLTH 203	15 Points
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Health Promotion: Philosophy and Practice

Explains in detail the theoretical basis of health promotion; calling on current practice examples to bring the theory to life. Introduces international and New Zealand health promotion concepts and tools. Explains how health promotion practice rests on particular approaches, values and ethical considerations which directly link to a political analysis of deprivation and powerlessness.

POPLHLTH 204	15 Points
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Health Care Ethics

An introduction to healthcare and medical ethics. A theoretical foundation of ethics in addition to the practical ethical issues relevant to healthcare professionals.

POPLHLTH 206	15 Points
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Life Cycle Nutrition

Provides students with a general background and introduction to: the New Zealand diet; food preparation and meal patterns; dietary requirements during pregnancy and lactation, childhood and adolescence, lifestyle changes, maturity and ageing.

POPLHLTH 207 15 Points**Community and Cultural Development**

An introduction to the study of community and cultural development as both philosophical approach and programme of practice for building active and sustainable communities from grassroots. Real world examples of effective practice will demonstrate the interdependence of theory, research and practice in health development. Emphasis is placed on collaboration and participation.

Prerequisite: POPLHLTH 102

POPLHLTH 208 15 Points**Mental Health Development**

The importance of mental health to overall health and well-being is explored. Major threats to mental health are reviewed, and contemporary responses to mental ill health are placed in historical perspective. Current theory, research and practice related to mental health development, which includes both recovery-based approaches and mental health promotion practice (i.e., promotion of well-being) at the community and population levels are reviewed.

Prerequisite: POPLHLTH 102

POPLHLTH 210 15 Points**Equity and Inequalities in Health**

Investigates the way in which social determinants lead to particular distributions of health in populations. Draws on a social epidemiological approach to explore ways in which inequalities in health (based on factors such as age, gender, ethnicity and socio-economic status) are created, then maintained or eliminated.

Prerequisite: POPLHLTH 102

Restriction: POPLHLTH 201

POPLHLTH 211 15 Points**Introduction to Environmental Health**

Provides students with concepts and knowledge necessary to understand the influence of the environment on health, and also to understand how human activity affects the environment. Local, regional and global examples of environmental health issues, as well as success stories, are explored. The course introduces approaches that may be taken to identify, understand and reduce environmental hazards.

POPLHLTH 212 15 Points**Bio-behavioural Aspects of Drug Use**

An introduction to the ways drugs exert their effects on the body, why drug dependence (addiction) occurs and what factors may predispose individuals to the development of drug dependence, including the aetiology of drug dependence and ways in which the study of bio-behavioural aspects of drug use has influenced public health interventions to reduce drug dependence.

POPLHLTH 213 15 Points**Special Topic: Positioning Pacific Health**

Introduces Pacific perspectives and worldviews of health and wellbeing and examines the social, structural, economic and political determinants of health for Pacific peoples in New Zealand.

Prerequisite: POPLHLTH 101, 102, 111

POPLHLTH 214 15 Points**Special Topic****POPLHLTH 215 15 Points****Dynamics of Health Systems**

Examines ways in which approaches to quality and

efficiency can be understood to examine changes in health systems, in response to the environment. The influence of key players is a key focus throughout this course.

Prerequisite: POPLHLTH 101

POPLHLTH 216 15 Points**Quantitative Methods in Health**

An introduction to and application of epidemiological and social science-based, quantitative principles, methods and skills used in health sector research.

Prerequisite: POPLHLTH 111, 202

Stage III**POPLHLTH 300 15 Points****Health Sector Professional Competencies**

Develops core skills in areas of project management, financial management, communication, leadership, team development, and cultural competence. An integrated project development approach is used to expose students to the key principles in these areas and to enable them to build a development plan.

Prerequisite: POPLHLTH 204

POPLHLTH 301 15 Points**Strengthening Health Systems**

The New Zealand health system in an international context. Health system reform, priority setting and rationing. Managed care and health integration. The future of healthcare in New Zealand.

Prerequisite: POPLHLTH 202, 215

POPLHLTH 302 15 Points**Health Services Placement**

The placement with a health service organisation provides students with the opportunity for experiential learning and the development of competencies needed in the workplace. Theory and skills learned in previous courses are integrated and extended as students apply prior knowledge to a local health organisation and carry out tasks asked of them.

Prerequisite: HLTHPSYC 122, MAORIHTH 201, POPLHLTH 101, 102, 111, 202, 204, 210, 216

POPLHLTH 303 15 Points**Health Informatics**

Students will explore the development and management of information systems in contemporary New Zealand healthcare services. Health informatics concepts, conceptualised in different healthcare settings, are critically reviewed in terms of their practical application.

Prerequisite: POPLHLTH 101, 202

POPLHLTH 304 15 Points**Principles of Applied Epidemiology**

The application of an epidemiological approach in population health, including study of the principles of epidemiological thinking, epidemiological study design and analyses, and the application of these findings to population health. Modules will be taught through specific themes for example, a life course approach or injury prevention.

Prerequisite: POPLHLTH 111, 202, 216

POPLHLTH 305 15 Points**Community Nutrition**

This course builds on POPLHLTH 206 'Life Cycle Nutrition' by providing students with a general overview of the determinants of population eating behaviours and the implications of current dietary behaviours and patterns on health.

Prerequisite: POPLHLTH 111, 206

POPLHLTH 306 15 Points**Health Promotion 2**

Builds on the theory and practice in POPLHLTH 203, and examines in depth the relationship between economic and political processes and health status. The course also looks at the most effective strategies to put health promotion theory into practice. Mixed in with this will be an in-depth introduction to some of the emerging issues in health promotion, and a look at some of the specific areas of health promotion practice.

Prerequisite: POPLHLTH 203

POPLHLTH 307 15 Points**Communities and Addictions**

Examines how addictions such as tobacco, alcohol, drugs and gambling seriously undermine the health of individuals and the communities in which they live and/or work. Case studies are used to understand the primary elements of community and cultural health development.

Prerequisite: 30 points at Stage II in Population Health

POPLHLTH 311 15 Points**Shaping Health Policy**

Investigates recent changes to the ways in which governments seek to intervene to improve a population's health. NZ case studies will be used to illustrate the interrelationships between research, policy and practice in a devolved health system and the changing relationships between government agencies and health providers.

Prerequisite: POPLHLTH 202

POPLHLTH 312 15 Points**Health and Pacific People in NZ**

An overview of the major health issues facing Pacific peoples, including analysis of the key determinants of health status, focusing on approaches to improving health for Pacific peoples through research, policy, public health programmes and health services. A critique of dominant paradigms of health and well-being in relation to Pacific communities in Aotearoa New Zealand is included with consideration of their effect on health outcomes.

Prerequisite: POPLHLTH 210

Restriction: POPLHLTH 201

POPLHLTH 313 15 Points**Health in Asian Communities**

An overview of Asian health issues, including, the biological, ecological cultural, economic social and psychological factors that determine health for Asian New Zealanders is provided. Current practice, policy development and research priorities for Asian communities are included.

Prerequisite: POPLHLTH 210

POPLHLTH 315 15 Points**Special Topic: Systematic Reviews and Meta-analysis**

The principles of interventional systematic reviews and meta-analysis and their role in evidence-based health practice. Topics include understanding the population of interest, developing search strategies, appraising quality of included studies, data extraction, understanding synthesis (meta-analysis) and interpretation of results in the health context.

Prerequisite: POPLHLTH 111 and 216

POPLHLTH 316 15 Points**Translating Health Information**

To lead to improvements in health, information needs to be translated appropriately to influence decision makers. Builds the skills and knowledge to be able to both critique and synthesise existing health information as well as to

apply analytical methods and presentation approaches to data in order to effectively communicate findings to different decision-making communities.

Prerequisite: POPLHLTH 202

Postgraduate 700 Level Courses**POPLHLTH 700 15 Points****Community Health Development**

Provides a comprehensive overview of the principles, theories, and frameworks for undertaking community-level health development. Special emphasis on empowering and critical perspectives and the implications for health and determinants at a community-level of focus. Informed by current research and a comparative case study approach, the paper examines the opportunities and challenges in the delivery of health for, and by, diverse communities in New Zealand and globally.

Corequisite: POPLHLTH 722

POPLHLTH 701 15 Points**Research Methods in Health**

A comprehensive overview, in relation to health, of theoretical underpinnings of research; the asking of research questions; literature reviews; the design, implementation and appraisal of qualitative and quantitative research; and the writing up and dissemination of research.

Restriction: CLINED 714, NURSING 768, POPLHLTH 202

POPLHLTH 704 15 Points**Undertaking Qualitative Health Research**

Provides practical experience in the appraisal and use of qualitative methods in research in health. The development of studies from research questions through design, conduct, and analysis and interpretation of such studies are examined in detail. Students are required to prepare a portfolio examining the use of a specific methodological approach in qualitative health research.

POPLHLTH 705 15 Points**Evaluation Research Methods**

Provides a comprehensive outline of the nature of programme evaluation in the health sector and an overview of a variety of approaches to programme evaluation and the appropriate use of research tools. Includes logic models, stakeholder analysis, the development of objectives, indicators, client surveys and interviews. Emphasis on mixed methods evaluation designs involving qualitative and quantitative data gathering.

POPLHLTH 706 15 Points**Statistics in Health Science**

Provides an overview of statistics and statistical methods for health scientists. Covers a range of methods and tests, including regression.

POPLHLTH 708 15 Points**Epidemiology**

Examines epidemiological study design, measures of effect, screening, appropriate statistics for epidemiology, with a focus on public health epidemiology.

POPLHLTH 709 15 Points**Evidence for Best Practice**

Evidence based practice uses epidemiological data derived from valid and clinically relevant research. This includes the accuracy of diagnostic tests, the power of prognostic markers and the efficacy and safety of therapeutic, rehabilitative or preventive interventions. This evidence is integrated with relevant contextual evidence such

as patient and practitioner values, social, cultural and economic considerations to inform best practice.

POPLHLTH 711 15 Points

Systematic Reviews and Meta-analysis

The principles and critical appraisal of interventional systematic reviews and meta-analysis and their role in evidence-based practice. Topics include: protocol development, question formulation, identification of evidence, selection of studies for inclusion, appraisal and quality of included studies, extraction and recording of data, synthesis (meta-analysis) and interpretation of results and application.

Prerequisite: POPLHLTH 708 or 709 or equivalent experience

Restriction: POPLHLTH 315

POPLHLTH 715 15 Points

Global Public Health

Explores the globally distributed factors that impact health outcomes from a global perspective. Topics covered include principles of global health cooperation, patterns of disease and disability, global health governance, financing, leadership, and diplomacy for achieving health equity.

POPLHLTH 718 15 Points

Health and Public Policy

A discussion of policy studies frameworks, and how these can be used to analyse policy issues and processes relevant to health and healthcare.

POPLHLTH 719 15 Points

Health Economics

Fundamental economic concepts and their application to healthcare. Provides students with some analytical skills with which to address issues and problems in the funding and organisation of health services.

POPLHLTH 720 15 Points

Cost Effectiveness Evaluation

The application of economic methods to the evaluation of health services and programmes. The principles and techniques of economic evaluation, the process of measuring costs and benefits of health services, quality of life measurement.

POPLHLTH 722 15 Points

Organisation of Health Systems

The principles, structure, financing and organisation of health systems. Current issues and challenges facing health systems from a national and international perspective.

POPLHLTH 724 15 Points

Quality in Health Care

Quality healthcare is examined with an emphasis on strategies that enable individuals, teams, and services within healthcare organisations to implement and sustain performance improvement. Allows students to explore the quality principles to an area of their own choice.

Restriction: NURSING 775

POPLHLTH 725 15 Points

Environmental Health

Explores ways in which the environment affects human health. Studies links between industrial and agricultural development, environmental change and public health at local, national and global levels. Topics include the role of policies, legislation and public health actions in reducing environmental health risks.

POPLHLTH 726 15 Points

Health Protection

Current issues will be used to illustrate principles of health protection as an element of public health at local and national levels. The main inter-related topic areas within health protection (communicable disease control and surveillance; non-communicable disease control; food safety; alcohol and tobacco; air and water quality) will be discussed, along with identification of health hazards, development of prevention strategies, and field implementation methods.

POPLHLTH 733 15 Points

Health Promotion Theory and Models

Examines the values, theories and practice models of health promotion and in particular, an approach to the social determinants of health and health equity that seeks to empower individuals and groups to deal with these issues.

POPLHLTH 734 15 Points

Health Promotion Strategies

An overview of key strategies designed to promote health, with an emphasis on healthy public policy, partnerships, community action and advocacy and ways to link local, national and global actions. Practical and creative approaches to health promotion planning are explored through case studies, invited practitioners and the development of a group project with outcomes of empowerment and health gain.

POPLHLTH 735 15 Points

Mental Health Development: Theory and Principles

Mental Health Development (MHD) represents an emergent paradigm in the mental health sector, one which emphasises strengths, resilience and positive quality of life. It is applicable to all people, including those with mental illness, and to all aspects of mental health and social services. The course has a particular focus on the treatment and recovery for individuals affected by mental health problems.

POPLHLTH 736 15 Points

Mental Health Promotion

Examines the central role that positive mental health and well-being plays in the health of populations. It focuses on understanding the determinants of mental health and the processes by which these determinants affect mental health. The theory and application of mental health promotion practice, encompassing strategies for action at the societal, community and individual level, are discussed.

POPLHLTH 737 15 Points

Alcohol, Tobacco and Other Drug Studies

Provides an introduction and overview to studies on alcohol and other drugs. Incorporates theory and research developed within public health, mental health, and specialised treatment frameworks. Topics will include: coverage of historical developments, a review of major theoretical issues and an overview of current trends.

POPLHLTH 738 15 Points

Biology of Addiction

Explores the genetic and neurobiological factors that predispose individuals to develop addiction. The neuropharmacology of the main drugs of abuse and factors that are responsible for the variability in drug response (i.e. pharmacokinetics) will be presented. Current neurobiological models of addiction will be considered.

POPLHLTH 739 15 Points Pacific Health Examines a wide range of health issues related to Pacific health. Provides an in-depth analysis with evidence of the global, regional and local issues that determines the health of the Pacific population both in the Pacific region and in New Zealand.	and qualitative, to develop and answer research questions relating to the accessibility, quality and cost of health care and the improvement of health outcomes. <i>Restriction: POPLHLTH 702</i>
POPLHLTH 746 15 Points Ethics, Culture and Societal Approaches to Death Approaches to death by Māori and other cultures. Resource and legal issues in the New Zealand context. Ethical issues: euthanasia versus palliative care, privacy, living wills and end of life medical decision-making; particularly treatment abatement. Duties after death, the nature of teamwork, the multidisciplinary nature of palliative care, the role of volunteers, emotional self care for palliative care providers, and home versus residential care.	POPLHLTH 768 15 Points Special Studies in Addiction and Mental Health POPLHLTH 769 30 Points Interpersonal and Family Violence Explores the magnitude and consequences of the problem of, and contributing factors to, interpersonal and family violence. Examines some of the major violence prevention and intervention activities currently undertaken in New Zealand. Considers how effective practices and policies might be disseminated at the individual, community, and national levels. Themes include: the epidemiology of violence, causes of violence, developing and evaluating interventions, and violence as a health issue. <i>Restriction: SOCHLTH 751</i>
POPLHLTH 751 15 Points Special Studies	POPLHLTH 770 30 Points Special Topic - Level 9
POPLHLTH 758 15 Points Theoretical Concepts of Health A number of theoretical explanations of public health are considered in order to address health issues in diverse communities. An ecological perspective of health will be explored and the specific models of population health will be critiqued.	POPLHLTH 774 15 Points Addictive Consumptions and Public Health Focuses on the extensive health impacts of addictive consumptions, particularly in relation to the legalised consumptions of tobacco, alcohol and gambling. Outlines applications of public health principles to reducing harm from these consumptions. Critically examines the role of corporate industrial complexes in promoting these consumptions and in preventing policy and legislative reforms. <i>Restriction: POPLPRAC 709</i>
POPLHLTH 760 15 Points Principles of Public Health Consideration of the principles underlying the modern practice of public health. Students examine the major core concepts in public health, including determinants of health, health equity, environments and health, health promotion and health systems. <i>Restriction: POPLHLTH 300, 302</i>	POPLHLTH 776 15 Points Public Health in Practice Students will apply population health concepts, principles and methodologies from formal course work to current public health problems, and develop skills in communicating their solutions to a range of diverse audiences, while critically reflecting on their own position. <i>Prerequisite: 45 points from Master of Public Health Schedule</i>
POPLHLTH 763 15 Points Human Vaccinology Provides an examination of vaccinology as applied to humans and its application in the health sector. Includes consideration of immunology, vaccine form and function and vaccine design; through to vaccine development and manufacture, vaccine safety, immunisation controversies, policy and schedule. A core theme throughout the course will be communication of vaccine science including risk communication to different audiences including health professionals and the community. <i>Restriction: POPLPRAC 755</i>	POPLHLTH 777 30 Points Ethics, Culture and Societal Approaches to Death and Dying Covers the approaches to death of different cultures, exploring resource and legal issues. Addresses ethical issues: euthanasia versus palliative care, privacy, living wills and end of life medical decision-making, treatment abatement, duties after death, the nature of teamwork, the multidisciplinary nature of palliative care, the role of volunteers, self-care for palliative care providers and home versus residential care. <i>Restriction: POPLHLTH 746</i>
POPLHLTH 765 15 Points Nutrition Interventions in Public Health - Level 9 Explores the use of community-based nutrition interventions to reduce nutrition-related health inequalities, and focuses on the use of appropriate theories to understand the nutrition issue; the use of data and research in the design of evidence based nutrition interventions; and the design of rigorous evaluation plans to determine the effectiveness of the intervention.	POPLHLTH 780 60 Points POPLHLTH 780A 30 Points POPLHLTH 780B 30 Points Dissertation - Level 9 <i>To complete this course students must enrol in POPLHLTH 780 A and B, or POPLHLTH 780</i>
POPLHLTH 766 15 Points Special Topic	
POPLHLTH 767 15 Points Health Services Research Methods Focuses on teaching the knowledge and practical skills to conduct health services research. The course follows through the typical research process drawing on a range of different methodologies and methods, both quantitative	

POPLHLTH 790 **60 Points**
POPLHLTH 790A **30 Points**
POPLHLTH 790B **30 Points**
Dissertation - Level 9
Restriction: COMHLTH 790
To complete this course students must enrol in POPLHLTH 790 A and B, or POPLHLTH 790

POPLHLTH 796A **60 Points**
POPLHLTH 796B **60 Points**
Thesis - Level 9
Restriction: COMHLTH 796
To complete this course students must enrol in POPLHLTH 796 A and B

Population Health Practice

Postgraduate 700 Level Courses

POPLPRAC 702 **15 Points**
Adult Mental Health and CBT Skills for Primary Care
 A clinically focused course providing an overview of the recognition and management of adult mental health in primary care and other healthcare settings. Topics and content will enable an examination of mental illness in New Zealand including cultural approaches and epidemiology, assessment, identification, treatment and management options. Content covers high prevalence conditions (depression, anxiety) and long term conditions (bipolar disorder and schizophrenia). Topics will include recovery, resilience, CBT techniques and the effect of alcohol and drugs.

POPLPRAC 707 **15 Points**
Theory and Skills in Counselling Practice
 The theory, research and practice regarding counselling and psycho-therapeutic approaches used in mental health and addiction service contexts. Approaches will be critically examined in terms of history, theory, social context and trends in research. Particular attention will focus on counselling methods currently in use within services.

POPLPRAC 708A **15 Points**
POPLPRAC 708B **15 Points**
Assessment and Intervention with Addiction
 Develops understanding and competency in assessment and intervention work with clients having co-existing problems, specifically those most affected by alcohol and drug issues. It focuses on comprehensive assessment, effective clinical interventions, drug-specific interventions and culturally-specific approaches working with individuals, whānau, and communities. It will involve regular review of practice using case-based scenarios filmed with feedback from tutors, mentors and peers.

Corequisite: POPLHLTH 737, POPLPRAC 707
To complete this course students must enrol in POPLPRAC 708 A and B

POPLPRAC 710 **15 Points**
Community Health Development Practicum
 Theoretical and practical principles of health promotion processes, combined with practical experience, in the context of relevant organisations, community groups and research projects. Students are expected to find their own placement for the practicum.

POPLPRAC 712 **15 Points**
Project Planning for Lifestyle Change
 Focuses on the planning and development of interventions

aimed at addressing lifestyle issues such as alcohol and other dangerous consumptions, obesity, lack of exercise and mental trauma. Students synthesise strategies from published literature and adapt them pragmatically for application in local contexts. Interventions will include those occurring in communities, primary and mental healthcare settings, hospitals, workplaces, and educational institutions.

POPLPRAC 720 **15 Points**
Psychosocial Issues in Palliative Care
 The psychological and social study of patients with cancer or active, progressive disease, unresponsive to curative treatment. Existential philosophy and models of coping with suffering, communication in palliative care, psychiatric disorders in palliative care, and bereavement.

POPLPRAC 722 **15 Points**
Symptom Management in Palliative Care
 Assessment and management of pain, nausea and vomiting, respiratory symptoms, delirium, and other symptoms commonly encountered in palliative care and at the end of life, together with an overview of palliative care emergencies, the role of radiotherapy in symptom management, and issues around nutrition and hydration at the end of life.

POPLPRAC 723 **15 Points**
Advanced Symptom Management in Palliative Care
 Advanced concepts in the assessment and management of symptoms and situations, including the more challenging ones encountered within the palliative care approach to malignant and non-malignant advanced diseases.
Prerequisite: POPLPRAC 722

POPLPRAC 724 **15 Points**
Child and Adolescent Palliative Care
 An examination of specific palliative care issues related to the care of children, adolescents, and their families.

POPLPRAC 739 **15 Points**
Urgent Primary Medical Care
 Assessment and management of a broad range of acute conditions and related issues including: chest pain, dyspnoea, collapse, coma, anaphylaxis, diabetes, toxicology, psychiatry and environmental conditions.

POPLPRAC 740 **15 Points**
Urgent Primary Surgical Care
 Assessment and management of acute surgical and subspecialty conditions and related issues including: trauma, head injury, abdominal pain, ophthalmology, ENT, gynaecology, pregnancy, and genito-urinary conditions.

POPLPRAC 753 **15 Points**
Special Studies

POPLPRAC 754 **15 Points**
Infant, Child and Adolescent Primary Mental Health
 Provides an overview of the recognition and primary care management of mental health in the under-eighteen age group. A clinically focused course for primary care practitioners. The content covers attachment, early intervention, development, risk assessment, resilience and families. Topics include depression, anxiety disorders, substance use, eating disorders, first episode psychosis, pain, somatic presentations, disruptive behaviour disorders and common behavioural problems.

POPLPRAC 756 30 Points Adult Rehabilitation Studies Focuses on the rehabilitation of adults with an acquired or traumatic condition; including an in-depth exploration of the philosophy of rehabilitation interwoven with the development of clinical rehabilitation skills. The concepts addressed in rehabilitation reflect the eclectic nature of the discipline. <i>Restriction: POPLPRAC 728</i>	POPLPRAC 771 30 Points Special Topic: Multimorbidity and Complexity of Medicines Use in Older People Explores multimorbidity and complexity of medicines use in older people including guidance for safe medicines use, common medications for multiple conditions balancing the risks and benefits of medicines use for robust and frail older people.
POPLPRAC 758 30 Points Biology of Ageing The systematic analysis of the physiological changes in ageing and the relationship of these changes to current beliefs and theories around the ageing process. Current issues around biogerontology are discussed. <i>Restriction: POPLHLTH 749</i>	POPLPRAC 772 30 Points Symptom Management in Palliative Care An overview of key symptoms commonly encountered in patients with progressive diseases in palliative care and end of life. Addresses assessment and management of these common symptoms using evidenced-based learning. <i>Restriction: POPLPRAC 722</i>
POPLPRAC 759 30 Points Engaging Pasifika Communities in Health Examines the concepts and principles of Pasifika health engagement and applies them culturally and appropriately in a Pacific setting to improve Pasifika health outcomes.	POPLPRAC 773 30 Points Challenges in Symptom Management in Palliative Care An overview of key symptoms commonly encountered in malignant and non-malignant patients in palliative care and at end of life. Addresses assessment and management of these common symptoms using evidenced-based learning. <i>Prerequisite: POPLPRAC 772</i> <i>Restriction: POPLPRAC 723</i>
POPLPRAC 761 30 Points Mental Health in Old Age Explores mental health in old age, including positive mental health and the range of mental health challenges facing older adults. There will be a focus on mental health issues and care across the health continuum, including primary care, specialist mental health services, and aged care services. <i>Restriction: NURSING 747, POPLPRAC 727</i>	POPLPRAC 774 30 Points Psychosocial Issues in Palliative Care An overview of the psychological and social study of patients with cancer or active, progressive disease, unresponsive to curative treatment. Covers existential philosophy and models of coping with suffering, spirituality, communication in palliative care, family systems, psychosocial assessments, psychiatric disorders in palliative care and bereavement. <i>Restriction: POPLPRAC 720</i>
POPLPRAC 765 15 Points Coexisting Problems: Theory and Principles - Level 9 Develops further knowledge and skills in working effectively with clients who suffer from coexisting mental health and addiction problems. Students will be presented with research and theory on existent problems and will examine recent developments in intervention strategies. <i>Prerequisite: POPLPRAC 708 or equivalent experience</i>	<hr/> Psychiatry <hr/> Postgraduate 700 Level Courses
POPLPRAC 766 30 Points Special Topic in Palliative Care - Level 9	PSYCHIAT 713 15 Points Special Study in Mental Health
POPLPRAC 767 30 Points Dementia Care	PSYCHIAT 721 15 Points Special Topic
A clinically focused course that explores dementia within three specific areas; the brain, the diseases, and the person. It explores theoretical concepts and models of dementia care, and focuses on the partnership of individuals, carers and health professionals in the delivery of dementia care.	PSYCHIAT 722 15 Points Special Topic
POPLPRAC 769 30 Points Special Topic: Aged Care Practice - Level 9 Provides an in-depth understanding of the unique clinical and contextual complexities of providing health care in the aged residential care sector. Using rich data sources and standardised assessment tools it focuses on the quality of clinical care. Health professionals will explore the use of gerontological assessment to respond to identified need, inform care planning and care delivery at an individual and systems level.	PSYCHIAT 730 30 Points PSYCHIAT 730A 15 Points PSYCHIAT 730B 15 Points Early Childhood Mental Health Focuses on the identification, assessment and treatment of early emotional and behavioural problems and their link to the child's family and preschool environments. <i>Prerequisite: PSYCHIAT 740, 747, 768, or equivalent</i> <i>Restriction: PSYCHIAT 771, 772</i> <i>To complete this course students must enrol in PSYCHIAT 730 A and B, or PSYCHIAT 730</i>
POPLPRAC 770 30 Points Special Topic - Level 9	PSYCHIAT 740 15 Points Child and Adolescent Psychopathology Explores conceptualisations of mental disorder in children and adolescents from a biopsychosocial and developmental perspective. The DSM-5 classification is used as a framework, with consideration of the benefits and disadvantages of an illness model.

PSYCHIAT 741 15 Points**Therapy in Child and Adolescent Mental Health – Theory**

Covers the range of treatment modalities used in child and adolescent mental health. Rationale and nature of current therapies will be covered. Students will undertake critical appraisal of the evidence base for therapy pertinent to specific clinical situations.

Prerequisite: PSYCHIAT 740

PSYCHIAT 747 15 Points**Child and Adolescent Development**

Critically appraises and applies theoretical models and research literature on aspects of child and adolescent development important to mental health. For each of four age ranges, the main aspects of development are reviewed and developmentally appropriate ways of working with children are identified.

PSYCHIAT 766 15 Points**Youth Addiction and Co-existing Problems**

An overview of key principles required to manage alcohol and drug problems within a Child and Adolescent Mental Health (CAMH) context. Includes a range of topics including aspects of screening, assessment and brief interventions, harm reduction, an introduction to motivational interviewing, and CBT in addiction treatment.

PSYCHIAT 767 15 Points**Special Studies****PSYCHIAT 768 30 Points****PSYCHIAT 768A 15 Points****PSYCHIAT 768B 15 Points****Assessment, Formulation and Treatment Planning in ICAMH**

Involves a combination of theory and practice. Different methods of assessment, including developmentally appropriate history taking and mental state examination, and of formulation and treatment planning, are applied to a range of infant, child, and adolescent mental health (ICAMH) problems.

Corequisite: PSYCHIAT 740, 747

Restriction: PSYCHIAT 748, 749

To complete this course students must enrol in PSYCHIAT 768 A and B, or PSYCHIAT 768

PSYCHIAT 769 15 Points**CBT with Children, Adolescents and their Families 1**

Explores Cognitive Behavioural Therapy (CBT) as an evidence-based treatment for children, adolescents and their families, and covers both theoretical and practical applications of CBT. Specifically designed for New Zealand based practitioners working clinically and/or therapeutically with families, students will learn the CBT model, treatment packages and strategies for depression and anxiety. There is also a strong focus on culturally appropriate interventions (especially those appropriate for Māori).

Prerequisite: PSYCHIAT 740, 747

PSYCHIAT 770 15 Points**CBT with Children, Adolescents and their Families 2**

Examines advanced knowledge and skills applied to complex disorders. Builds on PSYCHIAT 769 and further extends the practitioner's knowledge and skill base to include more complex issues of Trauma, Anger, DBD, Self-esteem, OCD and Personality. The strong cultural focus continues, with issues for Māori families being considered in more depth. Students will also have access to New

Zealand CBT resources and practice more in-depth CBT skills.

Prerequisite: PSYCHIAT 769

PSYCHIAT 773 30 Points**PSYCHIAT 773A 15 Points****PSYCHIAT 773B 15 Points****Youth Forensic Psychiatry**

Students develop an in-depth understanding of offending, particularly for youth offenders, and the relationship to mental illness. Addresses key roles and responsibilities of key stakeholders and members of the multidisciplinary team in the justice and youth justice systems.

To complete this course students must enrol in PSYCHIAT 773 A and B, or PSYCHIAT 773

PSYCHIAT 774 30 Points**PSYCHIAT 774A 15 Points****PSYCHIAT 774B 15 Points****Special Topic**

To complete this course students must enrol in PSYCHIAT 774 A and B, or PSYCHIAT 774

Transdisciplinary Migration Futures

Stage I**TDMIGR 100 15 Points****Migration Futures**

Explores systems, patterns and experiences of international migration, globally and in Aotearoa New Zealand. Transdisciplinary and critical understandings of migration are developed to examine governance, economics and politics; health, well-being and identity; climate change; and social justice in diverse societies. Addresses the workings of migration policy, the experiences and stories of migrants and the cultural spaces of migrant communities.

Waipapa Taumata Rau

Stage I**WTRMHS 100 15 Points****Waipapa Taumata Rau: Foundations for effective health practice in Aotearoa**

Ko Waipapa Taumata Rau tātou. Welcome to your study in Mātauranga Hauora, the Faculty of Medical and Health Sciences. This core course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. It provides foundational essential skills to support you in your first year and future studies.

Restriction: SCIGEN 102, 102G, WTR 100, 101, WTRBUS 100, WTRENG 100, WTRSCI 100

FACULTY OF SCIENCE

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Faculty of Science

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Astrosciences

Stage I

ASTRO 100

15 Points

ASTRO 100G

15 Points

Planets, Stars and Galaxies

The story of our place in the Universe. Key topics are the exploration of the solar system, searches for planets around other stars, the structure and evolution of stars and galaxies, high-energy astrophysics, and the origin and overall properties of the Universe. No background in physics or mathematics is assumed.

Restriction: PHYSICS 107, 107G

ASTRO 110

15 Points

Introduction to Rocket Science

An introduction to spaceflight and space technology. Topics include rocketry, orbits, spacecraft design and systems, space-based technologies, space exploration, ethical and legal issues and the present and future scientific, technological and social impacts of spaceflight. No background in physics or mathematics is assumed.

Stage II

ASTRO 200

15 Points

ASTRO 200G

15 Points

Astrobiology

Astrobiology examines the potential of the universe to harbour life and is interdisciplinary, combining Geology, Biology, Astronomy, Chemistry, Physics, Philosophy, Ethics. Course focus is on how these disciplines combine with technology, addressing questions of life in the universe. Key topics include origin and evolution of life, definitions and environmental limits of life, and how to search for life beyond Earth.

Prerequisite: 60 points passed

Postgraduate 700 Level Courses

ASTRO 720

15 Points

Planetary Science

Explores celestial bodies and planetary systems and the processes of their formation. Emphasis is on planetary geology and geophysics over the 4.6-billion-year-history of our solar system, evaluating the origination, evolution, and habitability of diverse worlds, using varied tools and techniques. Also addressed are modes of scientific enquiry, knowledge perspectives and the ethics of space exploration.

Bioinformatics

Postgraduate 700 Level Courses

BIOINF 789A

22.5 Points

BIOINF 789B

22.5 Points

Dissertation - Level 9

Prerequisite: COMPSCI 220 and approval of Programme Director

Restriction: COMPSCI 789, STATS 789

To complete this course students must enrol in BIOINF 789 A and B

BIOINF 796A

60 Points

BIOINF 796B

60 Points

MSc Thesis in Bioinformatics - Level 9

To complete this course students must enrol in BIOINF 796 A and B

Biological Sciences

Stage I

BIOSCI 100

15 Points

BIOSCI 100G

15 Points

Antarctica: The Frozen Continent

A general introduction to Antarctica and its environs including the Southern Ocean and the sub-Antarctic islands. Emphasis will be placed on the evolution of Antarctica and how resident plants, animals and micro-organisms have adapted to cope with the extreme environment. Specific topics to be addressed include: the history of Antarctic exploration and its impact on the development of Antarctic science, Antarctic ecosystems, Antarctica as a wilderness region, and the impact of humans including the exploitation of resources and the effects of pollution. This course is suitable for students with both science and non-science backgrounds.

BIOSCI 101

15 Points

Life! Origins and Mechanisms

Questions what life is and explores its machinery. Speculates on how life arose from the flow and capture of solar energy, to power growth, movement, replication and storage of genetic information. Describes how genes interact with environments, and how mutations can be catastrophic or transformational. These processes underpin life as we know it.

BIOSCI 106

15 Points

Foundations of Biochemistry

An introduction to the core elements of biochemistry, investigating biological processes at the chemical and molecular level. Key themes include the molecular structure of proteins, enzyme kinetics, biochemical energetics, carbohydrate and lipid metabolism, nutrition, cell signalling, vision and aspects of plant biochemistry including world food production. These themes provide a framework for discussion of mechanisms underpinning human disease including diabetes and obesity, antibiotic resistance, drug development and plant medicinals.

BIOSCI 107

15 Points

Biology for Biomedical Science: Cellular Processes

The cellular basis of mammalian form and function. Particular emphasis will be placed on cellular components and processes of blood, neural, muscular, reproductive, immune and supporting systems and how they contribute to the structure and function of the body as a whole.

BIOSCI 108 15 Points**Biodiversity: Patterns of Life**

Knowledge of biodiversity is fundamental to understanding our world. Students will become familiar with biological diversity and whakapapa beginning with viruses and leading through to microbes, plants, fungi and animals. Defining characteristics of major organismal groupings will be highlighted to provide students with an overview of the diversity of life on Earth, and the critical role that kaitiakitanga and maintaining biodiversity has for the future.

BIOSCI 109 15 Points**Ecology and Evolution: The Continuum of Life**

Explores the ecological mechanisms that determine the distribution and abundance of organisms, and the evolutionary mechanisms which drive change over time. Also explores the role of society and mātauranga Māori in recognising and seeking solutions for human-induced environmental change. Course components emphasise critical thinking and scientific communication skills.

Restriction: BIOSCI 104

Stage II**BIOSCI 201 15 Points****Cellular and Molecular Biology**

The fundamental processes of the cell are examined to understand how cells reproduce and use information stored within the genome, express proteins for specific functions, and function within larger tissues. Specific modules examine stem cells, tissues and cellular development, cancer progression and the biology of tumours and the basis of immunity.

Prerequisite: BIOSCI 101, and 15 points from BIOSCI 106-109, MEDSCI 142, and 15 points from CHEM 110, 120, 150

BIOSCI 202 15 Points
Genetics

The basic principles of mutation, recombination and genetic mapping are established in this course. These principles are developed in a variety of prokaryotic and eukaryotic organisms. Laboratory work uses molecular, microbial and eukaryotic material to explore the key features of heredity.

Prerequisite: BIOSCI 101 and 15 points from BIOSCI 106-109

BIOSCI 203 15 Points
Biochemistry

Presents core areas of modern biochemistry. Emphasis is on macromolecular structure and function. Areas covered include protein structure, oxygen and carbon dioxide transport in humans and other species, metabolism in mammals, proteases and human disease, cholesterol metabolism and transport and signal transduction.

Prerequisite: BIOSCI 101, 106 and 15 points from CHEM 110, 120

BIOSCI 204 15 Points
Principles of Microbiology

An introduction to the diversity, physiology and functions of microorganisms (prokaryotes, eukaryotes, viruses) as individuals and as communities. The fundamental roles of microorganisms in ecosystems, health and disease are considered alongside methods for their isolation and study. Microbial applications in biotechnology, food production, agriculture and industry are also discussed.

Prerequisite: BIOSCI 101 and 15 points from BIOSCI 106-109

BIOSCI 205 15 Points
Plant, Cell and Environment

Unlike animals, plants cannot move to respond to changes

in their environment. Plants have evolved diverse signaling systems and the ability to grow towards their essential resources. Explores the intricate ways plants function, how they are able to respond to developmental and environmental signals at the whole plant and cellular level.

Prerequisite: BIOSCI 101, 108

BIOSCI 206 15 Points
Principles of Ecology

An examination of ecosystem processes, factors that affect distribution and interactions of organisms, population ecology, and applications of ecology such as restoration and conservation. The key principles of ecology are taught in a New Zealand context emphasising an experimental approach.

Prerequisite: BIOSCI 108, 109 and STATS 101 or 108

BIOSCI 207 15 Points
Adaptive Form and Function

Investigates the diverse biological adaptations of animals, with a focus on generating adaptive hypotheses and ways to test them. Topics covered include comparative physiology, behavioural ecology, hormones and predator/prey interactions.

Prerequisite: BIOSCI 108, and BIOSCI 101 or 109

BIOSCI 208 15 Points
Invertebrate Diversity

Invertebrates make up over 95 percent of animal species. This course explores the biology of invertebrates with an emphasis on structure, function, life histories, behaviour and ecology. Invertebrate diversity is examined in a variety of environments, using New Zealand examples where possible, and provides the basis for advanced courses in conservation and marine ecology.

Prerequisite: BIOSCI 108, and BIOSCI 101 or 109

BIOSCI 210 15 Points
Evolution and the Origin of Life

Covers basic concepts in evolutionary biology including Darwin and the theory of evolution by natural selection, phylogenetics, population genetics, molecular evolution, speciation and extinction. The extent to which Darwin's theory of evolution by natural selection can explain the origins of biological complexity is explored.

Prerequisite: BIOSCI 109, and 15 points from BIOSCI 101-108

BIOSCI 220 15 Points
Quantitative Biology

An introduction to mathematical, statistical and computational literacy as required for contemporary biologists. Topics include fundamentals of experimental design, data exploration and visualisation, model-based inference to process biological data into biological information, comparing statistical models, prediction using mathematical models of biological processes, critical thinking about models and effective communication of findings. Data analysis and generation is taught using the R programming language. Recommended preparation: STATS 101

Prerequisite: 30 points from BIOSCI 101-109

Stage III**BIOSCI 300 15 Points**
Directed Study**BIOSCI 322 15 Points**
Evolution of Genes, Populations and Species

Advanced concepts in evolutionary biology and their application to current research in molecular evolution,

population genetics, phylogenetics and organismal evolution. Examples from animals, plants and microbes, as well as topical issues, including speciation, adaptation, co-evolution, sexual selection, conservation, biogeography, genomics, biotechnology and human disease. Recommended preparation: Prior or concurrent enrolment in BIOSCI 202.

Prerequisite: BIOSCI 210

BIOSCI 324 15 Points

Plant Pathology and Symbiosis

Microorganisms and pests form symbioses with plants that are critically importance for horticulture and agriculture. This course examines the biology of plant pathogens, pests, and symbionts. It focuses on plant-microbe interactions at the cellular and molecular level, the epidemiology and control of plant diseases, and the mechanisms through which these interactions are mediated.

Prerequisite: BIOSCI 204 or 205

Restriction: BIOSCI 321

BIOSCI 325 15 Points

Plant Diversity and Function

Plants form the basis of ecosystem food chains and are fundamental to life on Earth. The diversity in land plants from both phylogenetic and functional trait perspectives will be presented, exploring key steps in the evolution of plants and how they interact with their environment. It provides a framework of plant life focussing on the ecologically, economically and culturally important plants of Aotearoa New Zealand.

Prerequisite: BIOSCI 108, and BIOSCI 205 or 206

Restriction: BIOSCI 323

BIOSCI 326 15 Points

Plant Biotechnology for Crops and Health

Plants are vital sources of food, health compounds and shelter. Students will learn how biotechnology is used to understand plant biology and discuss strategies for crop improvement. Topics include plant genomics, molecular breeding, genome editing, gene transfer, the regulatory framework and examples of applications in the food, health, environment and crop sectors.

Prerequisite: 15 points from BIOSCI 202, 203, 205

Restriction: BIOSCI 340

BIOSCI 328 15 Points

Fisheries and Aquaculture

Harvest and capture of aquatic organisms and inter-relationships with aquaculture. Fisheries and aquaculture are treated not as distinct disciplines but in the context of integrating exploitation and sustainable environmental integrity. Case studies include deep sea and coastal fisheries, and shellfish culture.

Prerequisite: 15 points from BIOSCI 207, 208, MARINE 202

BIOSCI 333 15 Points

Marine Ecology and Conservation

Patterns and processes in marine ecology and biodiversity are described; including predator-prey interactions, benthic and pelagic habitats, productivity and physiology. Applied aspects include movement ecology, dispersal related to resource availability, disturbance and impacts of resource use e.g., fisheries. Emerging technologies to understand resilience within ecosystems and dispersal will be included.

Prerequisite: BIOSCI 206 or MARINE 202, and 15 points from BIOSCI 220, STATS 101, 108

BIOSCI 334 15 Points

Biology of Marine Organisms

Not only is the earth predominantly oceanic, but higher

marine biodiversity occurs on the shallower continental shelf/coastal areas. Students will learn the key groups of marine organisms within New Zealand's waters. Attention will be given to understanding their diversity, distribution and adaptations to thrive within the dynamic marine environment.

Prerequisite: BIOSCI 108, 109 and 15 points from BIOSCI 206, 207, 208

BIOSCI 335 15 Points

Ecological Physiology

Focuses on the strategies used by animals to cope with physical and biological challenges in the environment. Accordingly, we work at the level of the individual and the interface between physiological, biochemical or molecular approaches on the one hand, and ecology on the other. The adaptive strategies employed by a range of species, with an emphasis on aquatic organisms, in response to physical factors such as temperature, oxygen and food availability, are considered. Energetics and nutrition are emphasised. The course aims to meet the needs of students with ecological interests wishing to recognise the experimental approach to solving problems in environmental biology. The practical work is project oriented rather than laboratory based.

Prerequisite: 15 points from BIOSCI 207, 208

BIOSCI 337 15 Points

Animal Behaviour

Animal Behaviour Proximate and ultimate causes of behaviour are investigated experimentally in the field and the laboratory. Responses by animals to variations in the physical environment and to other organisms are studied. The development and organisation of behaviour and the theoretical background to topics of current interest are covered, using both New Zealand and overseas examples.

Prerequisite: BIOSCI 220, and BIOSCI 207 or 208

BIOSCI 338 15 Points

Biology of Terrestrial Animals

The animals of Aotearoa and Tāmaki Makaurau are iconic. We explore the biology, diversity and whakapapa of our native invertebrate and vertebrate animals. Along with a detailed coverage of biology, we focus on practical techniques for sampling and identifying species. This course involves both fieldwork (with the option to conduct this either on campus, or on an overnight fieldtrip) and labwork and training in using biodiversity data for hypothesis testing and scientific communication.

Prerequisite: 15 points from BIOSCI 206-208

Restriction: BIOSCI 320

BIOSCI 347 15 Points

Environmental Microbiology and Biotechnology

The ecology and physiology of micro-organisms in natural and engineered environments. Key themes include marine microbiology, the importance of microbial symbioses to life on Earth, and contemporary research methods in microbiology. Processes such as wastewater treatment and the production of bioactives are used to emphasise exploitation of microbial metabolism for environmental biotechnology purposes.

Prerequisite: BIOSCI 204 or MEDSCI 202

BIOSCI 348 15 Points

Applied Microbiology

Microorganisms and microbial-derived products have been used by humans for millennia. Explores the interface of microorganisms and engineering, including how microorganisms interact with food products in

beneficial and unfavourable ways, identifying and utilising microorganisms to produce chemicals, therapeutics, and materials and how to use innovative methods to engineer microorganisms to perform novel functions or produce novel products.

Prerequisite: BIOSCI 204 or MEDSCI 202

BIOSCI 349 **Biomedical Microbiology** **15 Points**

The molecular biology of micro-organisms affecting human health. The characteristics of microbial pathogens, the origins of virulence, and the development of infectious disease. Routes of infection, evasion of host immune responses, and host-pathogen interactions. The molecular basis for vaccination and anti-microbial therapy, and the development of resistance to treatment.

Prerequisite: BIOSCI 201 and either BIOSCI 204 or MEDSCI 202

BIOSCI 350 **Protein Structure and Function** **15 Points**

The relationship of molecular structure to protein function will be emphasised. Techniques for the purification, characterisation, production of native and recombinant proteins and three-dimensional structure determination will be combined with a description of protein structure. Specific groups of proteins will be selected to illustrate structure/function relationships and protein evolution.

Prerequisite: BIOSCI 203

BIOSCI 351 **Molecular Genetics** **15 Points**

The analysis of genetic material in prokaryotes, viruses, yeast, plants and humans is addressed. The means by which genetic information is transferred and the mechanisms underlying genome diversity will be examined, together with the study of eukaryote genomes at the level of chromosome structure and organisation. The molecular mechanisms underpinning selected inherited human disorders will be discussed as well as the role of model species in understanding normal and perturbed biological pathways.

Prerequisite: BIOSCI 201, 202

BIOSCI 353 **Molecular and Cellular Regulation** **15 Points**

The molecular mechanisms which mediate intracellular sorting and targeting of biologically active molecules and the networks of intracellular and extracellular signals which regulate cell function form the focus of this course. The roles of growth factors, oncogenes, plasma membrane receptors, nuclear receptors, ion channels and membrane transporters are emphasised.

Prerequisite: BIOSCI 201, 203

BIOSCI 355 **Genomics and Genome Biology** **15 Points**

Biological information is coded in and expressed from genomes. This course explores methods for detecting structural and functional elements of genomes, plus the wider genome biology of eukaryotic and prokaryotic systems. Students will learn how genomic data is generated and analysed, how genomes evolve, and how genomic information is expressed and regulated.

Prerequisite: BIOSCI 202

Restriction: BIOINF 301, BIOSCI 354

BIOSCI 356 **Developmental Biology and Cancer** **15 Points**

Molecular, cellular and genetic aspects of normal and abnormal development focusing on a variety of model systems including *drosophila*, the zebrafish and the mouse.

Molecular events underlying the development of body form, the differentiation of specific tissues such as the blood, and abnormalities of development which contribute to diseases of the body such as cancer. Implications of transgenic techniques on development.

Prerequisite: BIOSCI 201

BIOSCI 358 **Nutritional Science** **15 Points**

The scientific basis of nutrition focusing on its biochemistry and physiology in health and disease. Nutritional aspects of carbohydrates, fats, proteins, vitamins and trace nutrients are covered in an integrated manner. The methodologies which underpin nutritional science and its applications are included. Reference will be made to a broad range of examples, and a number of specific nutritional topics of current interest will also be included.

Prerequisite: BIOSCI 203

BIOSCI 394 **Terrestrial Ecology and Conservation** **15 Points**

Explores theoretical ecology from populations to ecosystems. Applies ecological theory to conservation management through a cross-disciplinary lens in the context of social and cultural values. Students will test theoretical hypotheses in the field, conduct an ecological site assessment for conservation management and learn to use population viability analysis to assess risks to threatened populations.

Prerequisite: BIOSCI 206, 220

BIOSCI 395 **Pacific Biogeography and Biodiversity** **15 Points**

Island biogeography and insular biodiversity across the Pacific. A multi-disciplinary approach involving the study of both plant and animal systematics and biogeography.

Prerequisite: BIOSCI 109 or GEOG 101

BIOSCI 399 **Capstone: Biology: The Science of the 21st Century** **15 Points**

Major advances in biology have added immensely to the understanding of our world. These advancements will continue, and biological science will influence our future lives and world. Students will enhance their scientific skills by envisioning the innovative future of biology, and its likely cultural, political and economic impacts, globally, and within the context of Aotearoa and Te Tiriti o Waitangi.

Prerequisite: 30 points at Stage III in Biological Sciences

Postgraduate 700 Level Courses

BIOSCI 700 **Phylogenetics** **15 Points**

Students will learn advanced computational methods for inferring phylogenetic trees and studying macroevolutionary processes, including phylogenetic dating, coalescence, epidemic phylogeography, and estimation of ancestral traits and biogeography. Relevant skills in computation (BEAST, command-line programs, R) and statistics (Bayesian methods, model-based inference) will also be taught.

Restriction: BIOINF 702

BIOSCI 701 **Practical Approaches in Genomics - Level 9** **15 Points**

Genomics provides insights into the diversity, evolution, adaptation and function of organisms. Students will complete a research project to apply the advanced practical aspects of genomics across taxa and topics such as conservation, health and ecosystem function.

Recommended preparation: BIOSCI 322, 351 or 355 or equivalent.

Restriction: BIOINF 701

BIOSCI 702 **15 Points**

Modelling Biological Processes

Modelling and simulation are increasingly important aspects of the biological sciences. A variety of biological modelling approaches are introduced through a series of practical exercises to build and analyse models of biological processes. Topics include modelling in ecology and systems biology, agent-based modelling of complex biological systems, and molecular dynamics of biological molecules.

Restriction: BIOINF 703

BIOSCI 704 **15 Points**

Practical Applications of Cell Analysis - Level 9

Application of highly specialised technologies for cell analysis relevant to a wide range of biotechnology-based disciplines including immunology, infectious diseases, stem cells, neuroscience and cancer. Advanced skill development in technologies including high dimensional flow cytometry, cell sorting and microscopy/imaging.

BIOSCI 724 **15 Points**

Marine Ecology

The ocean covers 70% of the surface area of Earth, provides 50% of the oxygen and much of the food consumed. This course considers marine ecology at the local, hemispheric and global levels with a focus on habitat and ecosystem connectivity and the impacts of anthropogenic change.

BIOSCI 725 **15 Points**

Ecological Physiology

Physiological and biochemical processes enable animals to occupy diverse habitats. Highly variable and extreme environments provide an opportunity to study the functional attributes of animals, particularly ectotherms, with respect to their metabolic, respiratory, and nutritional adaptations. A sound understanding of BIOSCI 335 or equivalent is assumed.

BIOSCI 727 **15 Points**

Aquaculture

Current assessment of the national and global status of aquaculture and consideration of future prospects. Examples of aquaculture in New Zealand are examined and a review of general environmental and biological problems and the role of scientific knowledge in aquaculture management. A sound knowledge of BIOSCI 328 or equivalent is assumed.

BIOSCI 729 **15 Points**

Evolutionary Biology

A contemporary approach to central issues in evolutionary biology including mechanisms that produce macroevolutionary patterns. Current research using phylogenetic methods for testing evolutionary hypotheses will be discussed, encompassing the role of selection, the origin of mutations, and concepts of heredity. A sound understanding of BIOSCI 322 or equivalent is assumed.

BIOSCI 730 **15 Points**

Entomology

More than half of all described species are insects, but collectively terrestrial arthropods are a hyper-diverse group found in almost every ecosystem, every trophic level above plants, and dominate terrestrial and freshwater food chains. The course explores the evolution of arthropods, their role in terrestrial ecosystems, and problems posed as

biosecurity invaders in Aotearoa. A sound understanding of BIOSCI 338, or equivalent is assumed.

BIOSCI 731 **15 Points**

Biogeography

Examines the patterns of animal and plant distribution, and the processes that influence these patterns. Topics covered include equilibrium theory, island succession, vicariance and dispersal, insular speciation, and human migration and colonisation. A sound understanding of BIOSCI 395 or equivalent is assumed.

BIOSCI 733 **15 Points**

Molecular Evolution and Conservation Genomics

Using the molecular archive to address ecological and evolutionary questions. Provides a broad theoretical and practical basis for undertaking studies in fields ranging from conservation genetics/genomics and connectivity, and biosecurity and forensics, to phylogenetics and molecular evolution. Topics may include the neutral theory of molecular evolution, molecular identification of species, gene flow, selection at the molecular level, and inbreeding depression.

BIOSCI 734 **15 Points**

Terrestrial Plant Ecology

Plants form the autotrophic basis of terrestrial food chains and their distribution, diversity and abundance is a critical determinant of ecosystem functioning. Topics covered include both plant population ecology – including population growth and structure, seed and seedling dynamics, and life history strategies – and community ecology – including vegetation structure, dynamics, and species interactions. Methods to survey, analyse, and model plant populations and communities will also be discussed.

BIOSCI 735 **15 Points**

Advanced Behavioural Ecology

Focuses on organisms interacting in natural environments. Both the mechanistic underpinnings of behaviour and the fitness consequences of such behavioural traits will be examined. Behavioural ecology is not limited to questions of behaviour, but draws in issues of energetics and physiology as these factors are often used as proxies for fitness traits such as differences in survival and reproduction. A sound understanding of BIOSCI 337 or equivalent is assumed.

BIOSCI 736 **15 Points**

Microbial Genomics and Metabolism

Cross-disciplinary issues involved in the understanding of microbial genome structure, gene regulation and metabolism. Includes: the genetic basis of microbial interactions and horizontal gene transfer, the effect of stress and mutation on microbial and viral evolution and modern approaches used to link gene sequence to biological function and phenotypes.

BIOSCI 737 **15 Points**

High Resolution Imaging of Biological Molecules

X-ray crystallography and electron microscopy are two of the principal techniques used by biologists to determine molecular structure. The theory and practice of X-ray crystallography and electron microscopy, including a laboratory component where 3D structure are determined from experimental data, are addressed. Accessible to students with a variety of backgrounds, including Biology, Bioengineering, Chemistry and Physics. This course complements CHEM 738 and BIOSCI 757.

BIOSCI 738 15 Points**Advanced Biological Data Analysis**

Building on a strong foundation in quantitative biology, fundamental statistical methods and basic R programming, students will learn an array of advanced biostatistical methods for data analysis. Topics covered include: data wrangling, methods for the analysis of designed experiments, regression analysis, including mixed effect models, and the analysis of multivariate data, including advanced supervised and unsupervised learning techniques. Requires students to apply their knowledge across a myriad of complex biological datasets.

BIOSCI 739 15 Points**Dialogues in Biology**

Social, ethical and other philosophical issues in the life sciences will be debated and explored. Topics may include: animal and environmental ethics, conservation and biodiversity, the history and philosophy of science, ethical and commercial issues underpinning science, scientific publishing and advocacy, medical and agricultural biotechnology.

BIOSCI 741 15 Points**Applied Microbiology and Biotechnology**

Explores recent advances in microbial biotechnology across the environmental, industrial and medical sectors, highlighting the diversity and complexity of applications. Features of experimental design and data analysis will be discussed. A sound understanding of BIOSCI 348 or equivalent is assumed.

BIOSCI 746 15 Points**The Molecular Machinery of The Cell**

The experimental investigation and modelling of protein behaviour at the molecular level, in order to explain cellular biology and facilitate protein engineering. Topics addressed may include binding, transport, catalysis, chemical modification, and dynamics. A sound understanding of BIOSCI 350 or equivalent is assumed.

BIOSCI 747 15 Points**Biosecurity and Invasion Biology**

The science of invasion biology, including stages of the invasion process and ecological interactions between species. The impacts of invasive alien species in different ecosystems. Population and community ecology, in relation to biosecurity.

BIOSCI 748 15 Points**Weed and Pest Management**

Techniques for the management of invasive plants and animals (vertebrates and invertebrates) in different ecosystem types, including terrestrial and aquatic ecosystems. Approaches to the prevention, control and eradication of invasive species in different situations.

BIOSCI 749 15 Points**Microbiomes**

The roles of microbial communities (microbiomes) and current research methods to study these are considered in different contexts including the environment (natural and biotechnological systems) and the human microbiome. A sound understanding of BIOSCI 347 or equivalent is assumed.

BIOSCI 751 15 Points**Plant-microbial Interactions**

Addresses selected topics in plant microbial interactions. Modern research on issues relating to plant pathogens and biosecurity, plant disease spread (epidemiology) and plant-

microbial interactions (both pathogenic and mutualistic) will be investigated and discussed. A basic understanding of microbiology and molecular biology is assumed.

BIOSCI 752 15 Points**Plant Genomics and Biotechnology**

How genomics and gene transfer technologies could be used to achieve improved plant growth and to develop food with new traits. Includes: plant genomics methods, engineering fruit colour, control of fruit ripening and texture, biotechnology project design. A sound understanding of BIOSCI 354 or 340 or 326 or equivalent is assumed.

BIOSCI 753 15 Points**Synthesis of Plant Products and Foods**

Includes the biosynthesis of: selected plant cell-wall components important in dietary fibre or biomass for the production of biofuels, including lignins, cellulose or non-cellulosic polysaccharides; antioxidant pigments in food plants and their possible impacts on human health. The manipulation of nitrogen assimilation in plants to increase the yield and quality of agricultural and horticultural plant products. A sound understanding of BIOSCI 340 or equivalent is assumed.

BIOSCI 754 15 Points**Plant Genomes and Gene Expression**

The analysis of plant genomes and regulation of gene expression in plant biology. Includes: inferences from whole plant genome sequences, genetic control of nitrogen fixation, uptake and use, flowering time, hormone signalling pathways, sugar metabolism and its regulation. A sound understanding of BIOSCI 354 or 340 or 326 or equivalent is assumed.

BIOSCI 755 15 Points**Genomics and Gene Expression**

The analysis of genomes and gene expression as a means of understanding biological processes. Aspects of functional and chemical genomics will be presented, as well as gene expression profiling using microarray technology. In terms of the latter, features of experimental design and data analysis will be discussed in the context of disease and developmental processes. A sound understanding of BIOSCI 351 or equivalent is assumed.

BIOSCI 757 15 Points**Molecular Form, Function and Design**

Biological systems highlight a complex interplay of thousands of molecules. Reviews fundamental studies focusing on molecular structure and function (structural biology), and designer molecules with applications in nanotechnology and biomedicine. Topics may include: enzyme evolution and engineering, protein design and assembly, rational drug and vaccine discovery, and protein structure and dynamics.

BIOSCI 758 15 Points**Development, Differentiation and Disease**

A critical analysis of normal and perturbed gene expression in selected model organisms as a means of understanding biological pathways and disease processes. Includes the development and use of transgenic organisms as models for human disease. A sound understanding of BIOSCI 356 or equivalent is assumed.

BIOSCI 759 15 Points**Cell and Molecular Biomedicine**

Explores recent advances in cell biology that have led to a greater understanding of a variety of cellular processes at the molecular level. Emphasis will be placed on biochemical

and genetic approaches to understand disease mechanisms at the cellular level. A sound understanding of either BIOSCI 349 or 353 or MEDSCI 314 or equivalent is assumed.

BIOSCI 760 15 Points

Biosystematics

Exploration of key concepts and processes that form the professional discipline of biosystematics. Introduction and familiarisation with advanced concepts in biosystematics, and knowledge of methods to manage biosystematics collections, to develop accessible biodiversity databases, and to study and characterise biodiversity. Previous experience with basic taxonomic principles and the systematics of a taxonomic group is desirable.

BIOSCI 761 15 Points

Research Practice - Level 9

Students will complete an advanced literature review to produce a research output that applies their knowledge to a novel context or application. Students will develop skills to synthesise and communicate their research output including the significance, potential limitations and context within the wider discipline to an academic audience using both written and verbal platforms.

Restriction: BIOSCI 762, ENVSCI 701, MEDSCI 701

BIOSCI 762 15 Points

BSc(Hons) Dissertation Proposal - Level 9

A review of the literature associated with the dissertation topic and an outline of the proposed research and its significance. Students will also be required to present an overview of the proposal in a seminar.

BIOSCI 763 15 Points

Professional Applications of Ecology

Exploration of key concepts that form the professional discipline of ecology. Introduction and familiarisation with relevant policy, advanced ecological community and population survey and monitoring, use of Geographic Information Science (GIS) and remote sensing, accessing biosystematics resources, data management, effective engagement with mana whenua, and effective communication skills. Some previous knowledge of ecology is desirable.

BIOSCI 764 15 Points

Human Virology

The COVID-19 pandemic was a global health crisis without parallel in the modern era and has evoked an unprecedented scientific response. Explores aspects of virus biology to illustrate principles of emergence, transmission and disease caused by viruses with pandemic potential and discusses how emerging pandemics can reshape our ability to respond to future viral threats with pandemic potential.

BIOSCI 765 15 Points

Translating Biomedical Science into Therapeutic Strategies

Explores the research involved in development of currently available and potential future cell based biomedical therapeutics. The challenges and wider societal issues which need to be considered when conducting this research will be discussed. Emphasis will also be placed on guiding students as they develop their critical evaluation and communication skills.

BIOSCI 766 15 Points

Global Change Ecology

Discusses the profound impacts global change processes have on ecological systems, including climate change,

land use change, biodiversity loss and changes in biogeochemical cycles. Covers the complex concepts of global change and approaches for planning and mitigation. Some previous knowledge of ecology is desirable.

BIOSCI 788 45 Points

BIOSCI 788A 22.5 Points

BIOSCI 788B 22.5 Points

BSc(Hons) Dissertation in Biological Sciences - Level 9

Restriction: BIOSCI 789

To complete this course students must enrol in BIOSCI 788 A and B, or BIOSCI 788

BIOSCI 793 60 Points

BIOSCI 793A 30 Points

BIOSCI 793B 30 Points

Dissertation - Level 9

To complete this course students must enrol in BIOSCI 793 A and B, or BIOSCI 793

BIOSCI 796A 60 Points

BIOSCI 796B 60 Points

MSc Thesis in Biological Sciences - Level 9

To complete this course students must enrol in BIOSCI 796 A and B

Biomedical Science

Stage III

BIOMED 399 15 Points

Capstone: Biomedical Science

Students will synthesise knowledge and reflect on learning experiences attained during their studies in Biomedical Science. Students will engage in debate on contemporary issues and use their scientific reasoning to counter misunderstandings and misrepresentation. Students will consider wider societal issues involved in research, such as human and animal ethics, Māori and Pacific health advancement, and public health relevance and economic benefits.

Prerequisite: 30 points from BIOSCI 347-358, MEDSCI 300-320, MEDIMAGE 300, 302

Biosecurity and Conservation

Postgraduate 700 Level Courses

BIOSEC 796A 60 Points

BIOSEC 796B 60 Points

Thesis in Biosecurity and Conservation - Level 9

To complete this course students must enrol in BIOSEC 796 A and B

Biotechnology

Postgraduate 700 Level Courses

BIOTECH 788 45 Points

BIOTECH 788A 15 Points

BIOTECH 788B 30 Points

BSc(Hons) Dissertation in Biotechnology - Level 9

An independent research study conducted in conjunction with an industry partner.

To complete this course students must enrol in BIOTECH 788 A and B, or BIOTECH 788

BIOTECH 792	45 Points
BIOTECH 792A	15 Points
BIOTECH 792B	30 Points

Dissertation - Level 9

To complete this course students must enrol in BIOTECH 792 A and B, or BIOTECH 792

BIOTECH 793	60 Points
BIOTECH 793A	30 Points
BIOTECH 793B	30 Points

Dissertation - Level 9

To complete this course students must enrol in BIOTECH 793 A and B, or BIOTECH 793

BIOTECH 794A	45 Points
BIOTECH 794B	45 Points

MSc Thesis in Biotechnology - Level 9

To complete this course students must enrol in BIOTECH 794 A and B

sustainability, energy and fuels, and the creation of new materials are also discussed. It is recommended that students with a limited background in chemistry take CHEM 150 prior to CHEM 120.

CHEM 150 **15 Points**
Concepts in Chemistry

The fundamentals of chemistry are explored with a view to enhancing understanding of the chemical nature of the world around us and providing a foundation for further study in chemistry. Special attention is paid to familiarisation with the language of chemistry and the chemist's perspective of the properties of matter and its transformations. It is recommended that students with a limited background in chemistry take this course prior to CHEM 110 or CHEM 120.

Restriction: Cannot be taken at the same time as any other chemistry course, or after any successfully completed chemistry course, other than CHEM 100/CHEM 100G

Chemistry

Preparatory Courses

CHEM 91P	15 Points
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Preparatory Chemistry 1

Preparatory introduction to elements, compounds, the periodic table, atomic structure, covalent bonding, molecular shape and polarity. Quantitative chemistry, including balancing equations, calculating moles and particles present, calculation of concentration in mol L⁻¹. Energy and thermo-chemistry. Laboratories include practical skills and qualitative analysis, and simple modelling.

Restriction: CHEM 91F

Stage I

CHEM 100	15 Points
CHEM 100G	15 Points

Molecules that Changed the World

The impact of chemistry on the modern world will be explored by focusing on the stories of specific molecules, including penicillin, DDT and nylon. Their discovery, the underlying chemical principles that explain their behaviour, their impact on our lives including social and scientific issues that arise from their use, and their likely impact on the future will be investigated. No formal prerequisite, but the course assumes a science background at Year 11 or higher.

CHEM 110	15 Points
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Chemistry of the Living World

A foundation for understanding the chemistry of life is laid by exploring the diversity and reactivity of organic compounds. A systematic study of reactivity focuses on the site and mechanism of reaction including application of chemical kinetics. A quantitative study of proton transfer reactions features control of pH of fluids in both living systems and the environment. It is recommended that students with a limited background in chemistry take CHEM 150 prior to CHEM 110.

CHEM 120	15 Points
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Chemistry of the Material World

The chemistry of the elements and their compounds is explored. The relationship between molecular structure and reactivity, the role of energy, concepts of bond formation and chemical equilibrium are discussed. Issues such as

Stage II

CHEM 200	15 Points
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Special Topic

CHEM 251	15 Points
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Structure and Spectroscopy

To study chemicals it is important to understand the stereochemical and electronic properties of molecules. Molecular orbital techniques and the application of approaches based on molecular symmetry and group theory to the understanding of molecular properties, bonding and spectroscopy will be studied. Application of these concepts to spectroscopic characterisation and quantification of materials by various spectroscopic techniques will be discussed.

Prerequisite: CHEM 120 and 15 points from MATHS 108, 110, 120, 130, PHYSICS 120, 160, STATS 101, 108

Restriction: CHEM 220

CHEM 252	15 Points
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Properties and Analysis of Matter

Understanding the physico-chemical properties of matter is crucial for modern chemistry. Fundamental processes to the analysis and understanding of chemical systems, including thermodynamics, equilibria, acid and bases will be covered. Applications of modern electrochemistry, physical chemistry of modern materials and methods for assessing the reliability of results will be described while the laboratory course emphasises the obtaining and understanding of chemical measurements.

Prerequisite: CHEM 110, 120, and 15 points from MATHS 108, 110, 120, 130, PHYSICS 120, 160, STATS 101, 108

Restriction: CHEM 240

CHEM 253	15 Points
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Making Molecules: Synthesis and Isolation

Creation of chemicals and compounds is at the heart of synthetic chemistry and is fundamental for the preparation of new materials and medicines. Students will learn organic, organometallic and inorganic synthesis with an emphasis on how and why reactions occur. Students will study separation strategies and characterisation techniques such as NMR spectroscopy to determine reaction outcomes. Provides experience in synthesising, purifying and characterising compounds.

Prerequisite: CHEM 110

Restriction: CHEM 230

CHEM 254	15 Points
CHEM 254A	7.5 Points
CHEM 254B	7.5 Points

Modelling Chemical Processes

From quantum mechanics to enzyme active sites, statistical analysis to the greenhouse effect, models are essential to our understanding of chemical phenomena. But what makes a good model? How are they developed and tested? After exploring the concept of models and their relationship to the scientific method, students will investigate several currently accepted models used in the chemical sciences.

Prerequisite: CHEM 110, 120 and 15 points from MATHS 108, 110, 130, 150, PHYSICS 120

To complete this course students must enrol in CHEM 254 A and B, or CHEM 254

CHEM 260	15 Points
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Introduction to Green Chemistry

Introduction to the concepts and principles of Green Chemistry. Selected real world applications of Green Chemistry are presented to illustrate how these important guiding principles can be applied. The integral laboratory course provides valuable practical experience in relevant areas of the chemical sciences.

Prerequisite: Either CHEM 110 and 120, or at least B- in CHEM 110 or 120

Stage III

CHEM 300	15 Points
Special Topic	

CHEM 310	15 Points
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Structural Chemistry and Spectroscopy

Molecular structure is fundamental to the understanding of modern chemistry. Molecular spectroscopy provides an important method for probing the structure of molecules, and the following aspects of this subject will be presented: molecular energies and molecular spectra, molecular symmetry and spectroscopy, surface spectroscopy and the structure and chemistry of surfaces.

Prerequisite: 15 points from CHEM 210, 251

CHEM 320	15 Points
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Design and Reactivity of Inorganic Compounds

A selection of the most recent developments in contemporary inorganic chemistry will be covered. Topics include selected physical properties of coordination compounds such as multinuclear NMR spectroscopy, UV-vis spectroscopy, magnetism, redox chemistry and photochemistry, the organometallic chemistry and catalytic reactions of transition elements, bioinorganic and medicinal inorganic chemistry, the kinetics and thermodynamics of ligand substitution reactions, main-group organometallic chemistry and main-group polymers. The laboratories provide an important complementary experience in the synthesis and measurement of physical properties for selected inorganic compounds.

Prerequisite: CHEM 220 or 251

CHEM 330	15 Points
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Contemporary Organic Chemistry

Topics in advanced organic chemistry, including the synthesis, reactions and uses of compounds containing phosphorus, selenium, boron and silicon. Organotransition metal chemistry. Asymmetric synthesis. Heterocyclic chemistry and pericyclic reactions. Laboratories emphasise synthetic and structural methods.

Prerequisite: 15 points from CHEM 230, 253

CHEM 340	15 Points
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Advanced Analytical Chemistry

Principles and applications of modern instrumental analytical chemistry. Statistical methods, quality control and assurance, sampling, instrumentation, chromatographic and other separation methods, spectrophotometric methods, electro-analytical methods.

Prerequisite: 15 points from CHEM 240, 252

CHEM 351	15 Points
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Chemicals Big and Small: Nano-material to Bio-macromolecules

Chemical materials are found with a broad range of shapes, sizes and physical properties. Students will study the synthesis of chemical materials; including polymeric materials using radical chemistry, inorganic materials and proteins and peptides using synthetic and biological chemical approaches. Methods to characterise materials will be investigated, including a range of physical and computational techniques giving insight into molecular interactions.

Prerequisite: 30 points from CHEM 251, 252, 253

Restriction: CHEM 350

CHEM 360	15 Points
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Contemporary Green Chemistry

Covers topics central to contemporary Green Chemistry such as sustainable syntheses, energy production, catalysis, pollution control, and basic toxicology. The integral laboratory course provides valuable practical experience in relevant areas of the chemical sciences.

Prerequisite: CHEM 260

CHEM 380	15 Points
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Materials Chemistry

Synthesis, properties characterisation and applications of advanced materials. Includes a review of current trends in materials research. Important aspects of solid inorganic materials and organic polymers are covered.

Prerequisite: 15 points from CHEM 210, 220, 251, CHEMMAT 121

CHEM 390	15 Points
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Medicinal Chemistry

Nature of cellular targets for drug action – lipids, proteins, enzymes, DNA. Principles of molecular recognition. Enzymes and receptors as targets for drug action. DNA as a target for drug action. An overview of approaches to drug discovery and development. Structure-activity relationships, stereochemistry and drug action, prodrugs, drug solubilisation and delivery, drug metabolism and antibiotic resistance. Laboratories focus on the synthesis, computer modelling and biological testing of drugs.

Prerequisite: CHEM 110 and a minimum of 165 points passed

CHEM 392	15 Points
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Issues in Drug Design and Development

Intellectual property and patent law in the pharmaceutical industry. An overview of the legal and regulatory framework for drug design and development. Clinical trials: formulation of a drug; phase I, phase II and phase III protocols. An introduction to the principles involved in the Codes of Good Manufacturing Practice and Good Laboratory Practice (quality control and quality assurance procedures) as applied to the manufacture of drug products and the quantification of drugs and metabolites in biological fluids. Examples of drug development. Case studies of selected drugs from design to release.

Prerequisite: CHEM 110 and a further 150 points passed

CHEM 397 15 Points**Capstone: Green Chemical Science**

Explores green chemical processes, principles, applications and development. Students will examine the ethical, social and commercial implications of green chemical processes.

Prerequisite: 30 points from CHEM 351, 360, ENVSCI 301

CHEM 398 15 Points**Capstone: Medicinal Chemistry**

Integrates and applies the foundations of medicinal chemistry to popular science-related themes, working individually and in groups and producing written and oral reports. Comprises an open-ended drug discovery research project that will require students to work in groups and individually.

Prerequisite: CHEM 390 and 15 points from CHEM 310, 320, 330, 340, 351, 360, 380, 392

CHEM 399 15 Points**Capstone: Chemistry**

Using a combination of skills learnt throughout their major, students will investigate key chemistry-related phenomena, working individually and in groups, producing both written and oral reports. Along with the chemistry behind the phenomena, the social, environmental, economic and ethical considerations will be explored.

Prerequisite: 30 points from CHEM 251, 252, 253, 260 and 255 points passed

Diploma Courses**CHEM 690A 15 Points****CHEM 690B 15 Points****Graduate Diploma Research Project**

To complete this course students must enrol in CHEM 690 A and B

Postgraduate 700 Level Courses**CHEM 701 15 Points****Directed Study**

A directed reading and individual study course to prepare students in the methodologies in a selected sub-discipline of chemistry.

CHEM 702 15 Points**Directed Study**

A directed reading and individual study course to prepare students in the methodologies in a selected sub-discipline of chemistry.

CHEM 710 15 Points**Advanced Physical Chemistry**

Covers modern areas of research in physical chemistry and may include solid-state nuclear magnetic resonance spectroscopy (NMR), X-ray spectroscopic techniques commonly used in materials science (including synchrotron-based X-ray absorption, emission and scattering techniques), and computational chemistry with applications in heterogeneous catalysis.

CHEM 712 15 Points**Nanomaterials and Nanotechnology**

Introduces a range of modern methods used in the synthesis and characterisation of nanomaterials (including metal nanoparticles, polymers, ceramics and their nanocomposites), with the application of these nanomaterials in energy conversion, optical devices and biosensing also being explored. Potential risks of nanomaterials in the environment will be discussed.

CHEM 720 15 Points**Advanced Inorganic Chemistry**

Covers modern areas of research in inorganic chemistry, and may include main-group catalysis, medicinal inorganic chemistry, supramolecular chemistry and/or inorganic cluster compounds.

CHEM 730 15 Points**Modern Methods for the Synthesis of Bioactive Molecules**

The use of modern methods for the construction of complex molecules with an emphasis on carbon-carbon bond formation and control of stereochemistry. Principles and practice of synthesis design based on retrosynthetic analysis. Each student will present and discuss a recent synthesis of a complex bioactive organic compound. No formal prerequisite, but knowledge of organic chemistry at the level covered in CHEM 330 will be assumed.

CHEM 735 15 Points**Advanced Medicinal Chemistry**

A selection of topics dealing with aspects of medicinal chemistry, including anticancer agents, metals in medicine, antibacterial and antiviral chemotherapy, contemporary topics in medicinal and/or bio-organic chemistry.

CHEM 738 15 Points**Biomolecular Chemistry**

Discusses how techniques including NMR spectroscopy, calorimetry, neutron scattering and computational modelling, can characterise the molecular structure, dynamics, and interactions of biological macromolecules. The principles of each technique will be presented and complemented with examples of where these methods have made major advances in understanding important biochemical processes. Accessible to students with a background in chemistry, biology, bioengineering, or physics.

CHEM 740 15 Points**Current Topics in Analytical Chemistry**

Principles and applications of modern analytical chemistry. Emphasis will be on the solution of problems met by analytical chemists, including a study of the development of instrumentation, and a study of current trends in analytical research. No formal prerequisite, but knowledge of analytical chemistry at the level covered in CHEM 340 will be assumed.

CHEM 741 15 Points**Chemometrics and Quality Assurance in Chemistry**

Explores a range of different chemometric processes including statistical analysis techniques, and methods and strategies for experimental design. Concepts related to method validation for analysis will be covered, as well as quality management of chemistry experimental data and principles of Good Laboratory Practice (GLP).

CHEM 750 15 Points**CHEM 750A 7.5 Points****CHEM 750B 7.5 Points****Advanced Topics in Chemistry 1**

To complete this course students must enrol in CHEM 750 A and B, or CHEM 750

CHEM 751 15 Points**CHEM 751A 7.5 Points****CHEM 751B 7.5 Points****Advanced Topics in Chemistry 2**

A modular course comprising topics in physical, inorganic, organic and analytical chemistry related to departmental

research interests, which will vary from year to year. Students satisfactorily completing three modules will be awarded CHEM 750. Students satisfactorily completing an additional three modules will be awarded CHEM 751.

To complete this course students must enrol in CHEM 751 A and B, or CHEM 751

CHEM 760 15 Points

Advanced Green Chemistry

Examines topics that are of key global significance to sustainability such as human activities that exceed the planetary boundaries, global warming, ocean acidification, endocrine disrupting compounds, global population, imbalance of the phosphorus and nitrogen cycles, and extinction of species. No formal prerequisite, but knowledge of green chemistry at the level covered in CHEM 360 will be assumed.

CHEM 780 15 Points

Advanced Materials Chemistry

A selection of topics on the chemistry of advanced materials, including novel polymeric materials and materials characterisation and analysis. No formal prerequisite, but knowledge of materials chemistry at the level covered in CHEM 380 will be assumed.

CHEM 791 30 Points

CHEM 791A 15 Points

CHEM 791B 15 Points

Research Project - Level 9

Corequisite: CHEM 795

To complete this course students must enrol in CHEM 791 A and B, or CHEM 791

CHEM 793 60 Points

CHEM 793A 30 Points

CHEM 793B 30 Points

Honours Dissertation in Chemistry - Level 9

To complete this course students must enrol in CHEM 793 A and B, or CHEM 793

CHEM 794 60 Points

CHEM 794A 30 Points

CHEM 794B 30 Points

Dissertation - Level 9

Corequisite: CHEM 795

To complete this course students must enrol in CHEM 794 A and B, or CHEM 794

CHEM 795 15 Points

Research Methods in Chemistry - Level 9

Explores topics to provide students with key skills relevant to performing research in the chemical sciences. Selected topics include investigating and critically analysing the scientific literature, data visualisation and interpretation, good lab practice, including health and safety requirements, constructing a review article and preparing a research proposal.

CHEM 796A 60 Points

CHEM 796B 60 Points

MSc Thesis in Chemistry - Level 9

To complete this course students must enrol in CHEM 796 A and B

Computer Science

Stage I

COMPSCI 101 15 Points

Principles of Programming

A practical introduction to computers and computer programming in a high-level language. The course is lab-based and focuses on reading and writing computer programs. The course is intended for students who may wish to advance in Computer Science or in Information Systems and Operations Management.

Restriction: Cannot be taken with or after COMPSCI 105, 107, 130, 210-220, 230-289, 313-399

COMPSCI 110 15 Points

Introduction to Computer Systems

An introduction to the various layers that make up a modern computer system: encoding of data and instructions, hardware, low-level programming, operating systems, applications and communications.

Restriction: Cannot be taken with or after COMPSCI 210

COMPSCI 111 15 Points

An Introduction to Practical Computing

A practical introduction to computing. Topics include: web design, an overview of computer hardware and operating systems, effective use of common applications, using the internet as a communication medium, applying programming concepts, and social implications of technology.

COMPSCI 120 15 Points

Mathematics for Computer Science

Basic mathematical tools and methods needed for computer science are introduced. Elementary mathematical skills for defining, analysing and reasoning with abstract objects used in programming are developed. Topics include integers and rational numbers, strings and sets, methods of proof (including induction), algorithms and functions, and elementary introductions to graphs, trees, counting and probability.

Prerequisite: MATHS 102 or at least 13 credits in Mathematics at NCEA Level 3 or D in CIE A2 Mathematics or C in CIE AS Mathematics or 3 out of 7 in IB Mathematics

Restriction: Cannot be taken with, or after, COMPSCI 225, MATHS 254

COMPSCI 130 15 Points

Introduction to Software Fundamentals

Fundamental programming techniques and processes, such as conditionals, iteration, recursion, functions, testing and debugging. Efficient ways to organise and manipulate data, including sorting and searching algorithms. Writing software that uses and implements common abstract data types such as lists, stacks, queues, dictionaries and trees.

Prerequisite: COMPSCI 101, or B+ or higher in ENGGEN 131, or Achievement Standard NCEA Level 3 Digital Technologies and Programming: 91906 Use complex programming techniques to develop a computer program, or 91637 Develop a complex computer program for a specified task

Restriction: COMPSCI 105, 107

Stage II

COMPSCI 210 15 Points

Computer Organisation

The low level representation of data and algorithms in the computer. An introduction to computer organisation. The instruction execution model. Assembly and disassembly

of instructions. Assembly language programming. How a high-level language is implemented at the machine level. The memory subsystem. Hardware support necessary to implement a secure multi-user operating system.

Prerequisite: COMPSCI 110, 130

COMPSCI 215 15 Points

Data Communications and Security

An introduction to data communications: the OSI reference model, particularly how the lower layers combine to implement the application layer. An introduction to secure communication and computer systems.

Prerequisite: COMPSCI 110, 130, PHYSICS 140

COMPSCI 220 15 Points

Algorithms and Data Structures

An introduction to the analysis of algorithms and data structures. Common abstract data types and their implementations. Asymptotic complexity analysis. Sorting and searching algorithms. Depth-first and breadth-first search and applications. Graph optimisation problems.

Prerequisite: COMPSCI 120, 130

Restriction: COMPSCI 717, SOFTENG 284

COMPSCI 225 15 Points

Discrete Structures in Mathematics and Computer Science

An introduction to the foundations of computer science, mathematics and logic. Topics include logic, principles of counting, mathematical induction, recursion, sets and functions, graphs, codes, and finite automata.

Prerequisite: COMPSCI 120 or MATHS 120

Restriction: MATHS 254, SOFTENG 282

COMPSCI 230 15 Points

Object Oriented Software Development

The design and implementation of object-oriented programmes. Analysis and design. Modelling with UML. Design for reuse, for testing, and for ease of change. Programming with classes, objects and polymorphism.

Prerequisite: COMPSCI 130

Restriction: SOFTENG 281

COMPSCI 235 15 Points

Software Development Methodologies

An introduction to software development, including processes, best practices, tools and quality assurance techniques such as testing.

Prerequisite: COMPSCI 130

Restriction: COMPSCI 280

COMPSCI 289 15 Points

Research Seminar in Computer Science

An introduction to research topics in computer science. Students will be expected to prepare and deliver a review of research in a topic of their choice. Research articles will be provided during the course, and will consist of key scientific publications.

Prerequisite: Minimum GPA of 5.0 and COMPSCI 110, 120, 130

COMPSCI 290 15 Points

Special Topic

Stage III

COMPSCI 313 15 Points

Computer Architecture

Modern processor architectures. Principles of modern processor design; pipelining; memory hierarchies; I/O and

network interfacing; compiler and OS support; embedded processors; performance; multiprocessing.

Prerequisite: COMPSCI 210, PHYSICS 140

Restriction: SOFTENG 363, COMPSYS 304

COMPSCI 315 15 Points

Data Communications Technologies

The structure of data communications and networks, including the internet, covering all levels of the communications architecture. The layered protocol model, data transmission and coding, link-level and local area network protocols, wide-area internet working, routing, transport and security protocols. Basic application protocols as the foundation for distributed computing.

Prerequisite: COMPSCI 210, 215

Restriction: COMPSCI 314

COMPSCI 316 15 Points

Cyber Security

Introduces various concepts related to software, system and network security. Covers a range of topics including attacks on privacy and attack surface, static and dynamic analysis of malware, hardware security (trusted computing base, secure boot, and attestation), network security and some hot topics in cryptography including elliptic curve, blockchain and bitcoin.

Prerequisite: COMPSCI 210, 215 or COMPSYS 201

COMPSCI 320 15 Points

Applied Algorithmics

Fundamental design techniques used for efficient algorithmic problem-solving and software development. Methods that yield algorithms that are both provably correct and efficient. Efficiency of algorithms to provide a basis for deciding which algorithm is best for the job. Limits on the power of computers and the theory of NP-completeness. An introduction to methods whose correctness or performance is not guaranteed.

Prerequisite: COMPSCI 220, and COMPSCI 225 or MATHS 254

COMPSCI 331 15 Points

Large-Scale Software Development

Students will understand how to develop large-scale software systems, and learn about the issues associated with large-scale software systems and techniques for addressing them.

Prerequisite: COMPSCI 230, 235

Restriction: SOFTENG 325

COMPSCI 335 15 Points

Web Programming and Distributed Services

Covers web programming concepts, with applications to data integration from heterogeneous and asynchronous collections. Building web and cloud clients and services, with emphasis on high-level declarative and functional techniques. Dynamic web applications. Security and performance as overarching factors of web application development.

Prerequisite: COMPSCI 230 and 15 points at Stage II in Computer Science, or SOFTENG 281

COMPSCI 340 15 Points

Operating Systems

Operating system principles. Multi-user systems. Virtualisation. Scheduling. Concurrent processes, threads, synchronisation and deadlock. Memory allocation and virtual memory. Managing files, disks and other peripherals. Security, protection and archiving. Distributed systems and algorithms, location, migration and replication

transparency. Real-time requirements. History of operating systems.

Prerequisite: COMPSCI 210, 230

Restriction: SOFTENG 370

COMPSCI 345 15 Points

Human-computer Interaction

Human behaviour and humans' expectations of computers. Computer interfaces and the interaction between humans and computers. The significance of the user interface, interface design and user centred design process in software development. Interface usability evaluation methodologies and practice. Includes a group development and evaluation project using current implementation techniques and tools.

Prerequisite: COMPSCI 230 or SOFTENG 206

Restriction: SOFTENG 350

COMPSCI 350 15 Points

Mathematical Foundations of Computer Science

The aim of this course is to present mathematical models for programming languages and computation, and derive some theorems regarding what can and cannot be computed. Abstract programming languages (finite automata, context-free grammars, Turing and register machines) are studied. Basic concepts for programming languages, limits on computational power and algorithmic complexity are presented. Church-Turing thesis and quantum computing are briefly and critically discussed.

Prerequisite: COMPSCI 220 or PHIL 222, and COMPSCI 225 or MATHS 254

COMPSCI 351 15 Points

Fundamentals of Database Systems

Database principles. Relational model, Relational Algebra, Relational Calculus, SQL, SQL and Programming Languages, Entity Relationship Model, Normalisation, Query Processing and Query Optimisation, ACID Transactions, Transaction Isolation Levels, Database Recovery, Database Security, Databases and XML.

Prerequisite: COMPSCI 220, and COMPSCI 225 or MATHS 254

Restriction: COMPSCI 751, SOFTENG 351

COMPSCI 361 15 Points

Machine Learning

Machine learning is a branch of artificial intelligence concerned with making accurate, interpretable, computationally efficient, and robust inferences from data to solve a given problem. Understand the foundations of machine learning, and introduce practical skills to solve different problems.

Prerequisite: COMPSCI 220, and 15 points from DATASCI 100, STATS 101, 108, and 15 points from COMPSCI 225, MATHS 254, 255

Restriction: COMPSCI 762

COMPSCI 367 15 Points

Artificial Intelligence

Covers algorithms and representational schemes used in artificial intelligence. AI search techniques (e.g., heuristic search, constraint satisfaction, etc.) for solving both optimal and satisficing tasks. Tasks such as game playing (adversarial search), planning, and natural language processing. Discusses and examines the history and future of AI and the ethics surrounding the use of AI in society.

Prerequisite: COMPSCI 220 and COMPSCI 225 or MATHS 254, or SOFTENG 282 and 284

Restriction: COMPSCI 761

COMPSCI 369 15 Points

Computational Methods in Interdisciplinary Science

Many sciences use computational methods that involve the development and application of computer algorithms and software to answer scientific questions. This course looks at how to tackle these interdisciplinary problems through methods like probabilistic computer modelling, computer-based statistical inference, and computer simulations. The material is largely motivated by the life sciences but also uses examples from other sciences. It focuses on modelling and analysing real-world data with an emphasis on analysing DNA sequence data. No background in physical or life sciences is assumed.

Prerequisite: COMPSCI 220, and COMPSCI 225 or MATHS 254

COMPSCI 373 15 Points

Computer Graphics and Image Processing

Basic geometric processes including transformations; viewing and projection; back projection and ray tracing. Graphics modelling concepts: primitives, surfaces, and scene graphs, lighting and shading, texture mapping, and curve and surface design. Graphics and image processing fundamentals: image definition and representation, perception and colour models, grey level and colour enhancement, neighbourhood operations and filtering. Use of the OpenGL graphics pipeline.

Prerequisite: COMPSCI 210, 230, or COMPSYS 201 and SOFTENG 281

Restriction: COMPSCI 771

COMPSCI 380 15 Points

COMPSCI 380A 7.5 Points

COMPSCI 380B 7.5 Points

Project in Computer Science

Each student taking one of these courses will be expected to do an individual practical project under the supervision of a member of staff. Only students with excellent academic records will be allowed to take these courses, and only after a supervisor and topic have been agreed upon by the Head of Department.

Prerequisite: Approval of Academic Head or nominee

Restriction: COMPSCI 690

To complete this course students must enrol in COMPSCI 380 A and B, or COMPSCI 380

COMPSCI 389 15 Points

Research Methods in Computer Science

An overview of research methods and techniques used across the discipline of Computer Science, including formal proof techniques and empirical methods that involve quantitative and/or qualitative data. Students will be expected to apply the research methods in a collaborative research project.

Prerequisite: GPA of 5.0 or higher and COMPSCI 289 and 30 points at Stage II in Computer Science

COMPSCI 390 15 Points

Special Topic

COMPSCI 391 15 Points

Special Topic

COMPSCI 392 15 Points

Special Topic

COMPSCI 393 15 Points

Special Topic

COMPSCI 399 15 Points

Capstone: Computer Science

Students work in small groups to complete a substantial

problem applying the knowledge learnt from the different courses in the Computer Science major. Teams are expected to reason on a problem, devise a solution, produce an artefact and present their work. The capstone provides an opportunity for students to further develop their technical and communication skills.

Prerequisite: 30 points at Stage III in Computer Science and COMPSCI 210, 220, 230

Diploma Courses

COMPSCI 601 15 Points
Special Topic

Prerequisite: Approval of the Academic Head or nominee

COMPSCI 690A 15 Points

COMPSCI 690B 15 Points

Graduate Diploma Research Project

Restriction: COMPSCI 380

To complete this course students must enrol in COMPSCI 690 A and B

COMPSCI 691A 15 Points

COMPSCI 691B 15 Points

Postgraduate Diploma Research Project

Restriction: COMPSCI 780

To complete this course students must enrol in COMPSCI 691 A and B

Postgraduate 700 Level Courses

COMPSCI 700 15 Points
Special Topic

COMPSCI 701 15 Points

Creating Maintainable Software

Developing maintainable software has been an ongoing challenge in the software industry. This course presents the principles and practices that have been proposed for developing maintainable software systems. It will evaluate and critique these principles and practices through examining their application in practice and through understanding the research on their effectiveness. Recommended preparation: COMPSCI 331 or 718

COMPSCI 702 15 Points
Security for Smart-devices

Covers security features supported by the different platforms for smart devices. Provides an overview of the most popular OS platforms in the market and focuses on security for Android and iOS. Recommended preparation: COMPSCI 340

COMPSCI 703 15 Points
Generalising Artificial Intelligence

AI deep learning has significantly advanced image understanding, language modelling, speech recognition, game playing, and more. These developments enable near-human capabilities in text and image generation. Explores highly specialised knowledge in planning, reasoning, explanation, natural language understanding, and knowledge acquisition, and assess their contribution to highly competent, general AI systems. Includes a significant individual research project.

Prerequisite: 15 points from COMPSCI 361, 367, 761, 762, or COMPSCI 713 and 714

COMPSCI 704 15 Points
Fundamentals in Human-Computer Interaction

Human behaviour and humans' expectations of interaction. Computer interfaces and the interaction between humans

and computers. The significance of the user interface, interface design and user centred design process in system development. Interface usability evaluation methodologies and practice. Includes processes of evaluation, design, and implementation using current techniques and tools.

Restriction: COMPSCI 345, SOFTENG 350

COMPSCI 705 15 Points

Advanced Topics in Human Computer Interaction

Human aspects of computer systems, relevant to commercial solution development and computer science research. Sample topics: advanced evaluation methods; support of pen and touch-based interaction; trends with domain specific user interface design, such as interfaces for enterprise systems.

Prerequisite: COMPSCI 345 or 704 or SOFTENG 350

Restriction: SOFTENG 702

COMPSCI 706 15 Points

Special Topic

Prerequisite: Approval of the Academic Head or nominee

COMPSCI 707 15 Points

Special Topic

Prerequisite: Approval of the Academic Head or nominee

COMPSCI 710 15 Points

Directed Study

Prerequisite: Approval of the Academic Head or nominee

COMPSCI 711 15 Points

Parallel and Distributed Computing

Computer architectures and languages for exploring parallelism, conceptual models of parallelism, principles for programming in a parallel environment, different models to achieve interprocess communication, concurrency control, distributed algorithms and fault tolerance. Recommended preparation: COMPSCI 320 or 335

COMPSCI 712 15 Points

AI Agency, Ethics and Society

Introduces students to a range of philosophical and normative topics relating to artificial intelligence. Examines key ideas of intelligence, privacy, consent, and discusses other ethical issues that arise in the development and use of AI. The importance of Māori rights and interests in AI and data are explored. Possible approaches to addressing these various concerns are considered.

COMPSCI 713 15 Points

AI Fundamentals

Examines the core concepts and techniques in AI, including breakthroughs in symbolic AI, machine learning, and neural networks. Real-world applications are presented, with a focus on AI research in Aotearoa/NZ and ethical considerations. The course is designed to be accessible to students with limited programming experience.

COMPSCI 714 15 Points

AI Architecture and Design

Equips students with the ability to develop AI applications by introducing well-established AI frameworks and using web-based interactive computing platforms. Students will acquire the skills to implement simple AI techniques using these frameworks and evaluate their performance. Introduces basic practical technologies to investigate artificial intelligence techniques.

COMPSCI 715 15 Points

Advanced Computer Graphics

An advanced look at current research issues in computer graphics. Typical topics include: ray-tracing acceleration

methods; radiosity; subdivision surfaces; physically-based modelling; animation; image-based lighting and rendering; non-photorealistic rendering; advanced texturing. Recommended preparation: COMPSCI 373

Prerequisite: Approval of the Academic Head or nominee

COMPSCI 717 30 Points
Fundamentals of Algorithmics

Fundamental techniques are covered for the design of algorithms such as greedy algorithms, divide-and-conquer, and dynamic programming. Data structures are explored that help implement algorithms. Essential tools are taught for analysing algorithms, for example worst- and average-case analyses of space and time. Recommended preparation: COMPSCI 120, 130

Restriction: COMPSCI 220, 320, SOFTENG 250, 284

COMPSCI 718 30 Points
Programming for Industry

An examination of object-oriented programming and design. Key principles of object-oriented programming: typing, encapsulation, inheritance, polymorphism and composition. Fundamental object-oriented modelling and design techniques. Students will develop application software of reasonable complexity that draws on object-oriented language features, and contemporary APIs, frameworks and tools.

COMPSCI 719 30 Points
Programming with Web Technologies

An examination of developing web-based applications. Client-side technologies: HTML, CSS and Javascript. Server-side technologies to support dynamic Web pages and data access. Fundamental relational database concepts and design techniques. Principles of Web-application design. HCI considerations and mobile clients. Students will build a Web-based application that dynamically generates content involving relational database access.

COMPSCI 720 15 Points
Advanced Design and Analysis of Algorithms

Selected advanced topics in design and analysis of algorithms, such as: combinatorial enumeration algorithms; advanced graph algorithms; analytic and probabilistic methods in the analysis of algorithms; randomised algorithms; methods for attacking NP-hard problems. Recommended preparation: COMPSCI 320

COMPSCI 721 15 Points
Randomised Algorithms and Probabilistic Methods

Randomised algorithms are algorithms that “flip coins” to make decisions. In many cases, such algorithms are faster, simpler, or more elegant than the classical, deterministic ones. Covers basic principles and techniques used to design and analyse randomised algorithms, and applications of randomised methods in mathematics and computer science. Recommended preparation: STATS 125, COMPSCI 225 or MATHS 254, COMPSCI 320

COMPSCI 725 15 Points
Usable Security and Privacy Engineering

The human aspect of cyber security and privacy engineering is relevant to commercial solution development and cyber security and privacy research. Sample topics: secure systems design; usable security systems evaluation; privacy-preserving software systems; threat modelling; economics of usable security and privacy; OWASP Top 10 vulnerabilities. Recommended preparation: 30 points from COMPSCI 313, 314, 320, 335, 340, 351, 702, 734, 742

COMPSCI 726 15 Points

Network Defence and Countermeasures

Focuses on the use and deployment of protective systems used in securing internal and external networks. Examines in detail the widely used protocols including SSL, IPsec, DNSSEC as well as covers infrastructure platform protocols including wireless security (IEEE 802.11). Explores current research and developments in the area of network defence and countermeasures. Recommended preparation: COMPSCI 314, 315

COMPSCI 727 15 Points
Cryptographic Management - Level 9

Builds on best practices, and compliance standards to establish an advanced understanding of modern cryptographic systems used in securing communications and data storage. Advanced knowledge in modern cryptography management issues such as algorithm selection, generation, distribution, and revocation of encryption keys are applied through a research-based report and a group project. Recommended preparation: COMPSCI 210 or MATHS 120

COMPSCI 732 15 Points
Software Tools and Techniques

An advanced course examining research issues related to tools and techniques for software design and development. Topics include: techniques for data mapping and data integration, software architectures for developing software tools, issues in advanced database systems. Recommended preparation: COMPSCI 331 or SOFTENG 325 or COMPSCI 718 and 719

Restriction: SOFTENG 750

COMPSCI 734 15 Points
Web, Mobile and Enterprise Computing

Examines advanced and emerging software architectures at the confluence of XML, web services, distributed systems, and databases. Includes advanced topics in areas such as: mobile computing, remoting, web services for enterprise integration, workflow orchestrations for the enterprise, peer-to-peer computing, grid computing. Recommended preparation: COMPSCI 335 or 718

COMPSCI 742 15 Points
Advanced Internet: Global Data Communications

The course covers wide area networks, global routing, network and protocol performance, buffering and queuing, advanced network measurement, network application performance, content networks, and advanced networking concepts. Recommended preparation: COMPSCI 314 or 315

COMPSCI 747 15 Points
Computing Education

An overview of topics related to the use of technology in education and how people learn computer science concepts. Topics include research methodologies used in computer science education, how novices learn to program, and how technology can engage students in active learning, facilitate collaboration and enhance traditional educational practice. Recommended preparation: 30 points at Stage III in Computer Science or COMPSCI 718

COMPSCI 750 15 Points
Computational Complexity

Definitions of computational models and complexity classes: time complexity (e.g., P and NP), space complexity (e.g., L and PSPACE), circuit and parallel complexity (NC), polynomial-time hierarchy (PH), interactive complexity (IP), probabilistic complexity (BPP), and fixed-parameter

complexity. Recommended preparation: COMPSCI 320 or 350

COMPSCI 751 15 Points

Advanced Topics in Database Systems

Database principles. Relational model, relational algebra, relational calculus, SQL, SQL and programming languages, entity-relationship model, normalisation, query processing and query optimisation, ACID transactions, transaction isolation levels, database recovery, database security, databases and XML. Research frontiers in database systems. Recommended preparation: COMPSCI 220, 225 or COMPSCI 718

Restriction: COMPSCI 351, SOFTENG 351

COMPSCI 752 15 Points

Big Data Management

The deep diversity of modern-day data from many companies requires data scientists to master many technologies that rely on new principles to represent, describe, access, and analyse data. The course will provide insight into the rich landscape of big data modelling, management, and analysis in distributed and heterogeneous environments. Recommended preparation: COMPSCI 220, 351

COMPSCI 753 15 Points

Algorithms for Massive Data

Modern enterprises and applications such as electronic commerce, social networks, location services, and scientific databases are generating data on a massive scale. Analysis of such data must be carried out by scalable algorithms. This course exposes data science practitioners and researchers to various advanced algorithms for processing and mining massive data, and explores best-practices and state-of-the-art developments in big data. Recommended preparation: COMPSCI 320

COMPSCI 760 15 Points

Advanced Topics in Machine Learning

An overview of the learning problem and the view of learning by search. Covers advanced techniques for learning such as: decision tree learning, rule learning, exhaustive learning, Bayesian learning, genetic algorithms, reinforcement learning, neural networks, explanation-based learning and inductive logic programming. Advanced experimental methods necessary for understanding machine learning research.

Prerequisite: COMPSCI 361 or 762

COMPSCI 761 15 Points

Advanced Topics in Artificial Intelligence

Examines the cornerstones of AI: representation, utilisation, and acquisition of knowledge. Taking a real-world problem and representing it in a computer so that the computer can do inference. Utilising this knowledge and acquiring new knowledge is done by search which is the main technique behind planning and machine learning. Research frontiers in artificial intelligence.

Prerequisite: COMPSCI 220 and 225, or COMPSCI 220 and MATHS 254, or COMPSCI 713 and 714, or COMPSCI 718

Restriction: COMPSCI 367

COMPSCI 762 15 Points

Foundations of Machine Learning

Machine learning is a branch of artificial intelligence concerned with making accurate, interpretable, computationally efficient, and robust inferences from data to solve a given problem. Students will be introduced to the foundations of machine learning and will gain practical

skills to solve different problems. Students will explore research frontiers in machine learning.

Prerequisite: COMPSCI 713 and 714, or COMPSCI 718, or 15 points from DATASCI 100, STATS 101, 108 and COMPSCI 220 or 717 and COMPSCI 225 or MATHS 254

Restriction: COMPSCI 361

COMPSCI 764 15 Points

Deep Learning - Level 9

Critically analyses the fundamentals of deep neural networks alongside current state-of-the-art advancements in this field. Students will acquire specialised knowledge in state-of-the-art deep learning architectures and gain the ability to apply deep learning in various fields, including natural language processing and computer vision. Includes a significant individual research project.

Prerequisite: COMPSCI 361 or 762, or COMPSCI 713 and 714

COMPSCI 765 15 Points

Modelling Minds

How can researchers of artificial intelligence effectively model subjective aspects of minds, such as emotional states, desires, perceptual experience and intrinsic goals? This course draws upon interdisciplinary methods and considers classic and emerging approaches to try to answer this question. Recommended preparation: COMPSCI 367

COMPSCI 767 15 Points

Intelligent Software Agents

An introduction to the design, implementation and use of intelligent software agents (e.g., knowbots, softbots etc). Reviews standard artificial intelligence problem-solving paradigms (e.g., planning and expert systems) and knowledge representation formalisms (e.g., logic and semantic nets). Surveys agent architectures and multi-agent frameworks.

Prerequisite: COMPSCI 367 or 761, or COMPSCI 713 and 714

COMPSCI 769 15 Points

Natural Language Processing - Level 9

Examines the progress in enabling AI systems to use natural language for communication and knowledge storage. Explores knowledge formalisation, storage, multiple knowledge systems, theory formation, and the roles and risks of belief, explanation, and argumentation in AI. Includes a significant individual research project.

Prerequisite: COMPSCI 361 or 762, or COMPSCI 713 and 714

COMPSCI 771 15 Points

Advanced Topics in Computer Graphics and Image Processing

Basic geometric processes including transformations; viewing and projection; back projection and ray tracing. Graphics modelling concepts: primitives, surfaces, and scene graphs, lighting and shading, texture mapping, and curve and surface design. Graphics and image processing fundamentals: image definition and representation, perception and colour models, grey level and colour enhancement, neighbourhood operations and filtering. Use of the OpenGL graphics pipeline. Research frontiers in computer graphics and image processing. Recommended preparation: COMPSCI 210, 230

Restriction: COMPSCI 373

COMPSCI 773 15 Points

Intelligent Vision Systems

Computational methods and techniques for computer vision are applied to real-world problems such as 2/3D face biometrics, autonomous navigation, and vision-guided robotics based on 3D scene description. A particular feature of the course work is the emphasis on complete

system design. Recommended preparation: COMPSCI 373 and 15 points at Stage II in Mathematics

COMPSCI 778 60 Points

Internship - Level 9

Enables the development of practical knowledge and hands-on experience through a supervised internship in the IT industry. Students complete a research-informed project, and present both written and oral reports of their findings.

COMPSCI 779 30 Points

COMPSCI 779A 15 Points

COMPSCI 779B 15 Points

Internship - Level 9

Enables students to gain workplace experience, the development of practical knowledge, and hands-on experience on research-informed AI projects through a supervised internship with an external organisation. At the end of the internship, students are expected to present both written and oral reports of their findings.

Prerequisite: Academic Head or nominee approval

To complete this course students must enrol in COMPSCI 779 A and B, or COMPSCI 779

COMPSCI 780 15 Points

COMPSCI 780A 7.5 Points

COMPSCI 780B 7.5 Points

Postgraduate Project in Computer Science 1

Prerequisite: Approval of Academic Head or nominee

Restriction: COMPSCI 691

To complete this course students must enrol in COMPSCI 780 A and B, or COMPSCI 780

COMPSCI 789A 15 Points

COMPSCI 789B 15 Points

Honours Research Project - Level 9

Prerequisite: Approval of Academic Head or nominee

To complete this course students must enrol in COMPSCI 789 A and B

COMPSCI 791 30 Points

COMPSCI 791A 15 Points

COMPSCI 791B 15 Points

Research Project - Level 9

To complete this course students must enrol in COMPSCI 791 A and B, or COMPSCI 791

COMPSCI 792 30 Points

COMPSCI 792A 15 Points

COMPSCI 792B 15 Points

Research Project - Level 9

Prerequisite: Academic Head or nominee approval

To complete this course students must enrol in COMPSCI 792 A and B, or COMPSCI 792

COMPSCI 796A 60 Points

COMPSCI 796B 60 Points

MSc Thesis in Computer Science - Level 9

To complete this course students must enrol in COMPSCI 796 A and B

Data Science

Stage I

DATASCI 100 15 Points

Data Science for Everyone

Explores how to use data to make decisions through the use of visualisation, programming/coding, data manipulation, and modelling approaches. Students will

develop conceptual understanding of data science through active participation in problems using modern data, hands-on activities, group work and projects. DATASCI 100 will help students to build strong foundations in the science of learning from data and to develop confidence with integrating statistical and computational thinking.

Stage III

DATASCI 399 15 Points

Capstone: Creating Value from Data

A group-based project in which students showcase their skills in collaboratively creating value from data. Within a given data science domain, teams will jointly develop a research question, apply their skills to gather, structure, and analyse data to address the question, and communicate their findings effectively. The insights, their implications, limitations, and future work will be discussed by the group. Each team member will write an individual report about the project.

Prerequisite: 30 points at Stage III in Data Science

Postgraduate 700 Level Courses

DATASCI 709 30 Points

Data Management

Data management is the practice of collecting, preparing, organising, storing, and processing data so it can be analysed for business decisions. The course will use R and SQL to illustrate the process of data management. This will include principles and best practice in data wrangling, visualisation, modelling, querying, and updating.

Prerequisite: COMPSCI 130, MATHS 108, and 15 points from STATS 101, 108, or equivalent

Restriction: COMPSCI 351, 751, STATS 383, 707, 765

DATASCI 799 15 Points

Statistical Computing Skills for Professional Data

Scientists - Level 9

Fundamental topics taught in statistical computing and data management including use of data analytic software such as Excel and R for data analysis, programming, graphics, cleaning and manipulating data, use of regular expressions, mark-up languages LaTeX, and R Markdown, use of SQL and DBMSs, reproducible research and symbolic computation. Students will undertake assigned individual research projects to be presented in-class.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 208, 707

Restriction: STATS 779

DATASCI 791 30 Points

DATASCI 791A 15 Points

DATASCI 791B 15 Points

Research Project - Level 9

To complete this course students must enrol in DATASCI 791 A and B, or DATASCI 791

DATASCI 792 45 Points

DATASCI 792A 15 Points

DATASCI 792B 30 Points

Dissertation - Level 9

To complete this course students must enrol in DATASCI 792 A and B, or DATASCI 792

Earth Sciences

Stage I

EARTHSCI 105 15 Points

EARTHSCI 105G 15 Points

Earth's Natural Hazards

New Zealand experiences many natural hazards caused by the Earth's natural processes through earthquakes, volcanic eruptions, weather bombs, storm surge, tsunami, flooding and wildfires. Focuses on spatial and temporal occurrences of disasters, hazard preparedness and recovery, and societal responses that affect and, sometimes, compound the magnitude of disasters. Case studies are drawn from contemporary and ancient societies.

Stage II

EARTHSCI 202 15 Points

4.5 Billion Years of Earth and its Life

Earth's surface is dynamic, constantly interacting with the oceans and atmosphere while recycling its rocks. Rocks contain Earth's physical and biologic history, recording life-changing events such as mass extinctions and global glaciations. Through the introduction of multidisciplinary techniques, the course explores how rocks are used to reveal Earth's long history, and how they help give a glimpse into its future.

Prerequisite: 60 points passed or 30 points from ENV 100-103

EARTHSCI 203 15 Points

Earth's Resources and Future

Humans depend on Earth's mineral and energy resources, but they are finite and their use creates environmental wastes. The course focuses on mineral and rock formation, and how they can be interpreted to understand the natural processes operating in the Earth System. Examines the expanding and changing use of resources and the need for stewardship of Earth for our future.

Prerequisite: 60 points passed or 30 points from ENV 100-103

EARTHSCI 208 15 Points

Buckled and Broken: Our Stressed Planet

Introduces techniques used to analyse and understand folds, faults and stresses within the Earth. Focuses on how to interpret and extract useful information from geologic maps, construct geologic cross-sections, and synthesise analytical results into a coherent structural history, while gaining an appreciation of the relevance of such studies to modern society.

Prerequisite: 60 points passed or 30 points from ENV 100-103

Restriction: EARTHSCI 204

EARTHSCI 209 15 Points

Special Topic

EARTHSCI 220 15 Points

Practice in Earth Sciences 1

A practical and field based course that introduces and develops theory and work flows to enable students to read, document and interpret landforms and landscapes in 4-D. Students will be required to participate in a residential field experience and undertake independent field work.

Prerequisite: 60 points passed or 30 points from ENV 100-103

Restriction: EARTHSCI 201, 260

Stage III

EARTHSCI 303 15 Points

Sedimentary Systems

An advanced course that critically examines ancient and contemporary sedimentary systems. State of the art techniques and technologies (sedimentology, geomorphology, modelling) are used to examine the physical and biological processes in freshwater and marine environments. The application of sedimentary systems in the context of Earth's resources and the current energy transition are highlighted.

EARTHSCI 307 15 Points

Earth's Changing Climate

An exploration of long-term climatic and environmental variability from deep time to the present - all placed in the context of our warming world. Emphasis is on the nature and drivers of climate change, and the tools used for analysis of past climate impacts on Earth landscapes, the hydrosphere and the biosphere.

Prerequisite: 45 points at Stage II, including 15 points from EARTHSCI 201, 202, 220, GEOG 260-263, or equivalent

EARTHSCI 308 15 Points

Tectonic and Magmatic Systems

Explores the tectonic and magmatic evolution of Earth and planetary systems, including their formation, composition, and how they deform. Students are exposed to seminal literature covering the various geological, geochemical, geophysical, and modelling tools and methods used for deciphering Earth deformation and magmatism, and the critical feedbacks between these processes. Recommended preparation: EARTHSCI 203, 208

Restriction: EARTHSCI 304, 305

EARTHSCI 309 15 Points

Special Topic

EARTHSCI 315 15 Points

Analytical Skills in Geology

A laboratory and field-based course expanding a student's ability to collect, synthesise and analyse the range of datasets encountered in Earth Sciences, in disciplines such as geochemistry, sedimentology, structural geology and geophysics. Activities focus around a residential geological field-trip, where students develop advanced quantitative field skills in geologically diverse settings, and provide a report synthesising and interpreting their collected data.

Prerequisite: EARTHSCI 220, 30 points from EARTHSCI 202, 203, 208, 262 and a Grade Point Average of 5.0 or higher

EARTHSCI 320 15 Points

Practice in Earth Sciences 2

A practical and field based course that embeds theory and work flows to enable students to read, document and interpret complex and vulnerable landforms and landscapes in 4-D. Students will be required to participate in a residential field experience and undertake independent field work.

Prerequisite: EARTHSCI 220

Restriction: EARTHSCI 301, GEOG 330

EARTHSCI 361 15 Points

Imaging the Subsurface

Geophysical imaging of the subsurface utilises contrasting rock and fluid properties. Applications include environmental, engineering, resource, hazard, and tectonic studies. Students will acquire and interpret geophysical

data by attending a one-day field trip and through laboratory sessions.

Prerequisite: 15 points at Stage II in Earth Sciences, Environmental Physics, Geophysics

Restriction: GEOLOGY 361, GEOPHYS 361

EARTHSCI 372 15 Points
Engineering Geology

An integration of quantitative and qualitative concepts in geology as applied to engineering projects. Fundamentals of soil and rock mechanics will be introduced. Topics covered in the course include landslides, dewatering schemes, contaminant transport, foundations, mines (open-pit and underground), dams, tunnels, urban geology, and transportation infrastructures. Case studies are used in lectures to demonstrate the importance of geology and water to engineering projects. Fieldwork is required.

Restriction: CIVIL 726, GEOLOGY 372

EARTHSCI 390 15 Points
Directed Study

Prerequisite: Permission of Academic Head

EARTHSCI 399 15 Points
Capstone: Earth Sciences

Conducting an Earth Science investigation involving a range of skills, as practised in research and industry careers. Students will undertake an independent research project involving field, desktop and/or laboratory work, and communicate the results in written and oral formats. Skills gained include ability to design a research project, collect and analyse qualitative and quantitative Earth Science data, and research communication.

Prerequisite: 30 points at Stage III in Earth Sciences

Postgraduate 700 Level Courses

EARTHSCI 703 15 Points
Hydrothermal Systems

Active hydrothermal systems are dynamic and significant to national energy requirements, hazards assessment and understanding planetary evolution. Geologic, hydrologic, and geochemical features of hydrothermal systems are considered with an emphasis on hydrothermal systems, sustainable geothermal energy extraction, mechanisms underpinning hydrothermal eruptions, and the potential role of hydrothermal systems in origin of/early life scenarios and the search for extra-terrestrial life.

EARTHSCI 704 15 Points
Directed Study in Earth Sciences

Prerequisite: Head of School approval

EARTHSCI 705 15 Points
Geohazards

Contemporary methods used to identify and assess natural hazards, techniques used for the probabilistic forecasting, spatial representation and communication of hazards. How the relationship between hazard information, risk mitigation and emergency management is addressed. There will be a strong focus on the use of case studies.

EARTHSCI 709 15 Points
Special Topic

EARTHSCI 714 15 Points
Faults and Fluids

Fault-fluid interaction is critical in earthquake dynamics and hydrothermal systems that have implications for geothermal energy, ore mineralisation and, via hydrothermal alteration, land stability. We will explore the fundamentals of these

interactions and their relevance to hazard and resource challenges of society today. This course will be anchored by a strong in-person field component.

Restriction: EARTHSCI 706

EARTHSCI 720 15 Points
Environmental Geochemistry

Provides a broad overview of applications of geochemistry across multiple disciplines. In addition, this course will help determine the suitability of different analytical techniques to different problems while providing practical experience in collecting and evaluating geochemical data. Subject areas are wide-reaching and include, geology, environmental science, biology, archaeology, and forensic sciences. No formal prerequisite but knowledge of introductory chemistry will be assumed.

EARTHSCI 732 15 Points
Exploring Environmental Change

Sedimentary and biological records show that extreme, rapid and short-lived climatic and environmental changes occurred in the past. Case studies are used to introduce the tools used to identify and interpret abrupt environmental changes during the Last Glacial Period and Holocene that may have implications for the present and our future.

EARTHSCI 752 15 Points
Volcanoes

Volcanoes were an important part in the formation of Earth's crust and atmosphere and influenced the evolution of life. Today, volcanoes play an important role in society from hazards and resources to recreation. This course covers how and why volcanoes erupt from magma processes in the mantle to eruption at the surface.

EARTHSCI 754 15 Points
Integrated Sedimentology and Tectonics

Develops an advanced and practical understanding of how sedimentary and tectonic processes relate to one another. Case studies, field work, guest lectures and discussions will allow critical examination of the latest research into the dynamics of tectonic and sedimentary environments.

EARTHSCI 770 15 Points
Engineering Geological Mapping

A field-based course which provides hands-on experience in outcrop mapping, geomorphic mapping, and simple field testing of rocks and soils for geotechnical purposes.

EARTHSCI 771 15 Points
Advanced Engineering Geology

Advanced engineering geology focused on engineering practice. Interpretation of in-situ testing and laboratory test data (including groundwater) for the derivation of design parameters for input into numerical modeling software. The topics covered include, but are not limited to, design and analysis of site investigation, advanced core logging, slope stability analysis, rock fall assessment, introduction to numerical modeling, liquefaction and seismic hazard assessment for engineering design.

EARTHSCI 772 15 Points
Hydrogeology

Introduces aquifers and aquifer properties; the various processes and techniques utilised in the discovery, development and assessment of groundwater resources; groundwater in construction; groundwater contamination.

EARTHSCI 785	60 Points
EARTHSCI 785A	30 Points
EARTHSCI 785B	30 Points
BAdvSci(Hons) Dissertation in Geology - Level 9	
<i>Prerequisite: Approval of Programme Director or Major/Specialisation Lead</i>	
<i>To complete this course students must enrol in EARTHSCI 785 A and B, or EARTHSCI 785</i>	
EARTHSCI 789	30 Points
EARTHSCI 789A	15 Points
EARTHSCI 789B	15 Points
Honours Research Project - Level 9	
<i>To complete this course students must enrol in EARTHSCI 789 A and B, or EARTHSCI 789</i>	
EARTHSCI 794A	30 Points
EARTHSCI 794B	60 Points
Thesis in Engineering Geology - Level 9	
<i>To complete this course students must enrol in EARTHSCI 794 A and B</i>	
EARTHSCI 796A	60 Points
EARTHSCI 796B	60 Points
MSc Thesis in Earth Sciences - Level 9	
<i>To complete this course students must enrol in EARTHSCI 796 A and B</i>	

Ecology

Stage III

ECOLOG 301	15 Points
Advanced Research Skills in Ecology	
Research design and associated methods from the component fields of ecology. A series of field trips to differing habitats are a central component of the course. During these trips students will be supervised in small groups and apply selected research methods and techniques to complete a research project.	
<i>Prerequisite: BIOSCI 206</i>	

Postgraduate 700 Level Courses

ECOLOG 789	60 Points
ECOLOG 789A	30 Points
ECOLOG 789B	30 Points
Dissertation - Level 9	

Prerequisite: 15 points from BIOSCI 761, 762, ENVSCI 701
To complete this course students must enrol in ECOLOG 789 A and B, or ECOLOG 789

Environment

Stage I

ENV 100	15 Points
Shaping Planet Earth	
We inhabit a dynamic planet that impacts our everyday lives. Take a journey from Earth's cataclysmic beginnings to the unprecedented scale of present-day changes to our land, rivers, coasts, and oceans. By examining Earth's processes, hazards, and resources we demonstrate how an understanding of past and present environments will enhance our future.	
ENV 101	15 Points
Environmental Challenges	
From the climate crisis to biodiversity loss, you will explore	

the scientific foundations of the environmental challenges we face. The complexity of environmental problems and the role of humans within environmental systems are considered. Emphasis is placed on acquiring the scientific knowledge and skill sets required to create innovative, feasible, and sustainable solutions to these issues.

ENV 102	15 Points
Social and Environmental Change	

The uneven effects of globalisation and social transformations are radically reshaping our worlds. How did we get here and what can we do about it? Using diverse local and global case-studies, this course examines how we navigate social and environmental change. Students will explore social processes to gain a foundational understanding of inequality, sustainability, and environmental and social justice.

ENV 103	15 Points
Digital Earth	

Explore the interdisciplinary realm of Digital Earth, integrating geospatial techniques and data science to understand socio-environmental processes. A diverse range of analytical and visualisation tools are used to examine Earth, environmental, and societal systems. Students will gain a deeper understanding of how digital technologies transform our knowledge about the planet and enable informed decision-making for addressing environmental and societal challenges.

Environmental Change

Stage III

ENVCHG 300	15 Points
Environmental Change	

An exploration of the nature and causes of change in the physical environment, including: natural processes driving environmental change and variability; humans as agents of change; and biophysical and societal sensitivity to change. Past, present and future interactions between society and environmental change with examples drawn from climatology and ecology. Principles of scientific writing and communication will also be addressed.

Prerequisite: Approval of Programme Director or Major/Specialisation Lead
Restriction: GEOG 334

Postgraduate 700 Level Courses

ENVCHG 789	60 Points
ENVCHG 789A	30 Points
ENVCHG 789B	30 Points
BAdvSci(Hons) Dissertation in Environmental Change - Level 9	

Prerequisite: Programme Coordinator approval
To complete this course students must enrol in ENVCHG 789 A and B, or ENVCHG 789

Environmental Management

Postgraduate 700 Level Courses

ENVMGT 701	15 Points
Environmental Management in Practice - Level 9	
Research and practice in Environmental Management. Students will explore alternative perspectives and methodologies applied in environmental management and	

develop a research proposal that includes a critical review of a contemporary practice.

ENVMGT 741 15 Points

Social Change for Sustainability

Explores the concept of sustainability through different theoretical frameworks and how social and environmental movements have mobilised around this concept over time. Critically interrogates what is sustainable, what is social change, and how can social change be sustainable in a global economy. Draws on case studies of current environmental issues and associated popular social movements.

ENVMGT 742 15 Points

Social Dimensions of Global Environmental Change

An examination of the social dimensions of global environmental change. This includes a review of the history of climate science, the interaction of science with other knowledges, and contemporary debates surrounding climate change as well as other forms of environmental change. It also examines the different ways in which people respond to environmental risks and changes, and the challenges associated with mitigation and adaptation policies.

ENVMGT 743 15 Points

Environmental Policy

Debates surrounding environmental policy and governance provide insights into the complexities of environmental management issues. Examples of environmental governance will be considered at global and local scales. The roles of international agencies, nation-states, civil society and corporations in shaping environmental policy and governance are examined.

ENVMGT 744 15 Points

Resource Management

A review of advanced principles, concepts and approaches to the sustainable management of natural resources. Case studies emphasise the need for conflict resolution, equitable allocation, and decentralised decision-making to address the social and environmental impacts of resource utilisation.

ENVMGT 746 15 Points

Collaborative Environmental Management

An exploration of participatory management and its potential for engaging communities, resource users and stakeholders in the pursuit of sustainable development. Students will examine strategies for incorporating local knowledge within conservation practices and for reconciling natural resource management with human welfare, social justice and indigenous rights.

ENVMGT 748 15 Points

Coastal Management

Explores the physical, social and policy dimensions of coastal management. The nature of coastal environments is a function of physical coastal dynamics, the history of human occupation and utilisation of the coast, and governmental decision making. Discusses shifts in management approaches in the coastal environment, using national and international examples to highlight key coastal management issues.

ENVMGT 749 15 Points

Ethical Environmental Futures

We face urgent environmental challenges that require innovative responses to affect better environmental futures. This course will analyse environmental uncertainty and its

implications; examine the interface between environmental technologies and society; consider environmental responsibilities, values and ethics; and situate environmental solutions within their wider sociopolitical and economic context. Students will engage with strategies to achieve sustainable and just outcomes.

ENVMGT 750 15 Points

Special Topic

ENVMGT 751 15 Points

River Management

Explores biophysical, socio-economic, cultural and institutional dimensions of river management, contextualising the situation in Aotearoa New Zealand in global terms. A proactive and precautionary approach engages generatively with river futures, scoping sustainable solutions to contemporary environmental problems. Policy, planning and on-the-ground applications are outlined.

ENVMGT 760 15 Points

Special Topic

ENVMGT 761 15 Points

Directed Study

Prerequisite: Approval of Programme Director or Major/Specialisation Lead

ENVMGT 762 15 Points

Directed Study

Prerequisite: Approval of Programme Director or Major/Specialisation Lead

ENVMGT 791 30 Points

ENVMGT 791A 15 Points

ENVMGT 791B 15 Points

Research Project - Level 9

To complete this course students must enrol in ENVMGT 791 A and B, or ENVMGT 791

ENVMGT 796A 60 Points

ENVMGT 796B 60 Points

MSc Thesis in Environmental Management - Level 9

To complete this course students must enrol in ENVMGT 796 A and B

Environmental Physics

Stage I

ENVPHYS 100 15 Points

ENVPHYS 100G 15 Points

Sun, Sand, Surf: Science of Aotearoa

The atmosphere, oceans and land make up the dynamic environment of Aotearoa New Zealand. A range of phenomena with natural beauty can be described elegantly with simple scientific laws. This course establishes the physical principles underlying nature, empowering students to explain everyday environmental phenomena. These principles provide the foundation to unravel the science of Earth, climate and environmental change, and energy systems.

Stage II

ENVPHYS 200 15 Points

Earth Observations and Models

An experiential study of applications of environmental physics. The analysis and modelling of laboratory, field and remote sensing observations to explain the state and behaviour of the atmosphere, oceans and the solid earth.

Topics include radiation, cloud and aerosol processes, seismic waves and Earth's magnetic and gravity fields. It develops transferable skills in acquiring measurements, data analytical methods and laboratory techniques.

Prerequisite: 15 points from ENVPHYS 100, PHYSICS 100, 102, 120, 121, 160, EARTHSCI 120 and 15 points from MATHS 108, 110, 120, 130, 199, STATS 101-120

Restriction: GEOPHYS 213

Stage III

ENVPHYS 300 15 Points

Atmosphere, Ocean and Earth Physics

The physics basis for dynamical behaviours of the atmosphere, ocean, and solid earth. Topics include the general circulation in the atmosphere, development of storms and convection, emergence of climate states, as well as seismic, gravitational and magnetic imaging of the Earth's interior. An emphasis is placed on the fundamental conservation laws and processes that control geophysical systems.

Prerequisite: PHYSICS 201, and ENVPHYS 200 or GEOPHYS 213, and 15 points from ENGSCI 211, MATHS 253, 260

Restriction: GEOPHYS 310, 311

ENVPHYS 301 15 Points
Special Topic

ENVPHYS 370 15 Points
Directed Study

Prerequisite: Departmental approval

ENVPHYS 399 15 Points
Capstone: Environmental Physics

Students will employ core methodologies (experimental, observational, numerical) to investigate some aspect of climate and environmental systems such as key atmospheric, ocean or solid earth geophysical phenomenon. They will relate their findings to contemporary research in the field, considering wider societal aspects and issues. Students will develop their skills in communication, critical thinking, teaching and creative problem solving.

Prerequisite: ENVPHYS 300

Restriction: EARTHSCI 399, GEOG 399, PHYSICS 399

Postgraduate 700 Level Courses

ENVPHYS 700 15 Points
Frontiers in Climate Science

An up-to-date assessment of the state of the climate system that highlights changes in climate pertinent to future change. Evaluates climate using the latest scientific discoveries, evaluates information from observations and models of past, present and future climate. Leverages findings from scientific synthesis efforts and emphasises understanding Earth's climate as a basis for evaluating impacts of climate on wider environment and society.

Prerequisite: ENVPHYS 300

ENVPHYS 701 15 Points
Atmosphere and Ocean Dynamics

Explores physical processes underlying Earth's climate using observations, modelling and predictions. Spans geophysical fluid dynamics, Earth's energy budget, the meridional and vertical heat imbalances, and processes linked to seasonal and long-term climate variations and changes. Explores quasi-geostrophic and wave theory to describe general circulation, Hadley and midlatitude

circulations in the atmosphere, Sverdrup balance and western boundary currents in the ocean.

Prerequisite: ENVPHYS 300 or 30 points from PHYSICS 201-203, 231, 240, 244, 251, 261

Restriction: GEOPHYS 711

ENVPHYS 702 15 Points
Subsurface Characterisation with Geophysical Methods

Pertains to subsurface characterisation through the inversion of geophysical observations. The course covers a combination of rock physics, seismic methods, ground-penetrating radar, as well as gravity, magnetic and electrical methods.

Prerequisite: 15 points from EARTHSCI 361, ENVPHYS 300, GEOPHYS 310

Restriction: GEOPHYS 761

ENVPHYS 703 15 Points
Special Topic

ENVPHYS 770 15 Points
Directed Study

Prerequisite: Departmental approval

ENVPHYS 780 30 Points

ENVPHYS 780A 15 Points

ENVPHYS 780B 15 Points

Research Project - Level 9

To complete this course students must enrol in ENVPHYS 780 A and B, or ENVPHYS 780

ENVPHYS 796A 60 Points

ENVPHYS 796B 60 Points

Thesis - Level 9

To complete this course students must enrol in ENVPHYS 796 A and B

Environmental Science

Stage II

ENVSCI 201 15 Points
Natural and Human Environmental Systems

An examination of current environmental issues in coupled natural and human systems such as urban environments. Interactions among biological, physical and social processes are discussed and means of measuring and managing the environmental outcomes of their interactions are addressed.

Prerequisite: 60 points passed or 30 points from ENV 100-103

ENVSCI 203 15 Points
Modelling Environmental Systems

An introduction to the philosophy and use of models in the study of a range of environmental systems, including coastal, ecological, fluvial, atmospheric and social. Students will develop skills in designing, communicating and critically assessing models of the environment.

Prerequisite: 60 points passed or 30 points from ENV 100-103

Restriction: ENVSCI 310

ENVSCI 204 15 Points
Special Topic

Stage III

ENVSCI 301 15 Points
Environmental Science in Practice

Advances in environmental science, technology, and policy are explored using case studies of global environmental issues and proposed solutions. Students

apply environmental science to assess how science is used to inform environmental intervention and policy, and understand environmental responses.

Prerequisite: ENVSCI 201 or equivalent

ENVSCI 303 15 Points

Environmental Science, Risk and Society

An examination of the contemporary topics that shape the ways in which environmental science may be communicated and understood. Topics of discussion include issues of scientific uncertainty, risk communication, public trust and the role of media.

ENVSCI 304 15 Points

Special Topic

ENVSCI 390 15 Points

Directed Study

Prerequisite: Academic Head approval

ENVSCI 399 15 Points

Capstone: Environmental Science

Students will engage with the research process, as practised in environmental science. Independent or small group research will be undertaken under the guidance of an academic mentor. Students will research an environmental problem and possible solutions and communicate their findings. The emphasis is on research skills and assisting students in developing and implementing academic research.

Prerequisite: 30 points at Stage III in Environmental Science or 15 points at Stage III in Environmental Science and 15 points from other Stage III courses included in the major

Postgraduate 700 Level Courses

ENVSCI 701 15 Points

Research Practice in Environmental Science

An understanding of research in Environmental Science. Students will be introduced to a range of methodologies and will be challenged to critically analyse information and data. Principles of scientific writing and communication will also be addressed. Students will apply these skills by developing and writing a research proposal or critical review.

ENVSCI 704 15 Points

Modelling of Environmental Systems

The design and application of models for the investigation of environmental problems; understanding the role and utility of modelling in environmental science; the analysis and representation of environmental phenomena. Provides an understanding of modelling concepts, approaches and applications. An understanding of the material in ENVSCI 310, GEOG 250, MATHS 108 and STATS 101 will be assumed.

ENVSCI 705 15 Points

Handling Environmental Data

Contemporary approaches to understanding and analysing environmental data with an emphasis on developing skills to support the 'transformation, visualisation, modelling' cycle. The importance of adopting reproducible research practices (eg, data and code archiving) will be emphasised. The course focuses on an applied laboratory component and will be taught in open-source software. Assessment will be via projects analysing environmental data. No formal prerequisites but an understanding of basic statistical methods equivalent to STATS 101 will be presumed.

ENVSCI 706 15 Points

Special Topic

ENVSCI 707 15 Points

Directed Study in Environmental Science

Prerequisite: Approval of Programme Director or Major/Specialisation Lead

ENVSCI 708 15 Points

Ecosystem Dynamics

Ecosystems have a critical role in regulating climate, soil, water, and air quality. Basic concepts of ecosystem ecology are introduced and the effects of human-induced changes on ecosystem processes are examined. The dynamics of key ecosystem processes (e.g. carbon and water cycling) and their driving factors are investigated. Students will conduct a research project linking theoretical and practical aspects of ecosystem science.

ENVSCI 711 15 Points

Environmental Impact Assessment - Level 9

A focus on the interdisciplinary, scientific assessment of environmental impacts with specific reference to applying this discipline in New Zealand. Methodologies used in the assessment, monitoring and regulation of environmental impacts will be discussed and critically evaluated. The contribution of Environmental Impact Assessment to policy and regulatory decisions in environmental management, including consenting procedures and plan-making processes and the roles and duties of public and professional participants, will be covered. A key component of the assessment is the preparation of an individual Environmental Impact Assessment report.

ENVSCI 713 15 Points

Air Quality and Atmospheric Processes

Monitoring, modelling and management will be considered with emphasis on air quality standards and guidelines and applications of science and technology to indoor and outdoor air pollution prevention, mitigation and remediation. Case studies and practical work will link the theoretical and practical aspects of air quality science.

ENVSCI 714 15 Points

Environmental Pollution

Contaminants of soil and water emitted by point and non-point sources. Monitoring of legacy and emerging contaminants, and impact assessment. Application of science and technology to pollution prevention, mitigation and remediation.

ENVSCI 734 15 Points

Restoration and Landscape Ecology

Restoration ecology is the scientific study of repairing degraded, damaged or destroyed ecosystems. It is a young but rapidly growing field that represents fundamental changes in human relationships to nature. Restoration draws on concepts from landscape ecology, and the two disciplines are inextricably linked. The course covers the issues of habitat fragmentation and edge effects in a restoration framework.

ENVSCI 737 15 Points

Applied Terrestrial Ecology

The dynamics of change in terrestrial ecosystems with a focus on forest and wetland environments. Students will be introduced to methods for vegetation assessment and ecosystem ecology, including multivariate statistical methods. Students are required to participate in a residential field course. No formal prerequisite but a knowledge of ecology equivalent to Stage II, including associated quantitative analysis, is assumed.

ENVSCI 738**15 Points****Water Sensitive Cities**

This course probes experiments with radical urban change to examine the co-constitution of water-society in the pursuit of improved futures. A case study is built around the aspiration to become a Water Sensitive City. Students first employ quantitative methods to design a water sensitive neighbourhood. Students then critique reductionist approaches to becoming sustainable. The aim is to better understand the sustainable city debate and its emerging logics.

ENVSCI 790**30 Points****ENVSCI 790A****15 Points****ENVSCI 790B****15 Points****Research Project - Level 9**

To complete this course students must enrol in ENVSCI 790 A and B, or ENVSCI 790

ENVSCI 794A**30 Points****ENVSCI 794B****60 Points****MEnvSci Thesis - Level 9**

To complete this course students must enrol in ENVSCI 794 A and B

ENVSCI 796A**60 Points****ENVSCI 796B****60 Points****MSc Thesis in Environmental Science - Level 9**

To complete this course students must enrol in ENVSCI 796 A and B

Exercise Sciences

Stage I**EXERSCI 100G****15 Points****Exercise and Fitness: Myths and Reality**

An introduction to the principles of physical exercise, with a focus on understanding how the body moves and responds to exercise, how performance can be measured, and how fitness can be developed and maintained to optimise health. Particular emphasis will be placed on the debunking of common myths about exercise, and offering evidence-based advice on the benefits of appropriate physical activity.

Restriction: BIOSCI 107, EXERSCI 101, 105, SPORTSCI 100G, 101, 105, MEDSCI 142

EXERSCI 101**15 Points****Foundations of Exercise and Sport Sciences**

Introduction to the scientific principles and concepts underpinning the sub-disciplines of Exercise and Sport Sciences: Biomechanics, Exercise Physiology, Movement Neuroscience and Psychology. Content experts will provide a broad overview of the applications and career pathways of each sub-discipline using examples from research or industry. Academic literacy skills required in all sub-disciplines will be developed.

Restriction: SPORTSCI 101

EXERSCI 103**15 Points****Human Anatomy**

The study of the gross anatomical organisation of the neural, muscular and skeletal systems, with particular reference to the neck, limbs, back and abdominal wall. Practical work includes gross anatomy laboratories and CD-ROM study.

Restriction: SPORTSCI 103

EXERSCI 105**15 Points****Exercise Prescription**

An introduction to the risks and benefits of exercise, exercise policy and safety, physical fitness testing, guidelines for exercise test administration, principles of exercise prescription, cardiorespiratory and neuromuscular training.

Restriction: SPORTSCI 105, 205

Stage II**EXERSCI 201****15 Points****Exercise Physiology 1**

Introduction to the physiological and biochemical requirements and provision of energy for acute exercise and recovery. A key focus is on the mechanisms involved in physiological system responses to aerobic and anaerobic exercise. Practical experiences will cover experimental and scientific procedures of measuring and reporting on physiological responses to acute exercise.

Prerequisite: 15 points from BIOSCI 107, EXERSCI 101, MEDSCI 142

Restriction: SPORTSCI 201

EXERSCI 203**15 Points****Biomechanics 1**

Covers the mechanical basis of human movement, using quantitative and qualitative modelling approaches. Focuses on the analysis of sporting performance, locomotion, and musculoskeletal stress. Practical work explores key techniques in measurement and data analysis of human movement and the forces involved.

Restriction: SPORTSCI 203

EXERSCI 205**15 Points****Motor Learning**

Introduction to the principles and stages of motor skill acquisition, and their application to sport and exercise. Key concepts include the structure of practice tasks, feedback, individual differences, growth and development, aging, injury, and relationships to the underlying neurobiology. Develops practical skills in the measurement of human motor performance, and in the development and assessment of individualised training programmes to improve skill.

EXERSCI 206**15 Points****Exercise Nutrition**

A cross-disciplinary focus on nutrition, examining nutritional enhancement of sports performance, diet and physiological function, eating disorders, energy balance, body composition and the role of diet in growth and exercise.

Prerequisite: 30 points from MEDSCI 100-320 or BSc courses

Restriction: SPORTSCI 206

EXERSCI 207**15 Points****Sport Psychology**

An introduction to the study of psychology as it relates to human behaviour and performance in sport settings. Key concepts include achievement motivation, individual differences, performing under pressure, psychological skills training, team dynamics, and their relationships to human motor behaviour and performance.

Prerequisite: 45 points passed at Stage I or II

Restriction: EXERSCI 304, SPORTSCI 304

EXERSCI 210**15 Points****Special Topic**

EXERSCI 271 15 Points**Advanced Exercise Assessment and Prescription**

This theoretical and workplace-based course integrates behavioural competencies in the application of advanced physical fitness assessment and design, and implementation of evidence-based, effective and individualised exercise programmes for the maintenance of health and physical fitness in apparently healthy individuals. Supervised practice of not less than 70 hours is provided.

Prerequisite: 45 points: EXERSCI 101, 103, 105

Stage III**EXERSCI 301 15 Points****Exercise Physiology 2**

Systemic physiological responses and adaptations to exercise training and physical inactivity relevant to selected athletic and medical populations and across the lifespan. Skills will be developed in the interpretation of experimental methods and findings in human exercise physiology.

Prerequisite: 15 points from EXERSCI 201, MEDSCI 205, SPORTSCI 201

Restriction: SPORTSCI 301

EXERSCI 303 15 Points**Biomechanics 2**

Advanced quantitative techniques in biomechanics used to study human movement including mathematical modelling and signal processing. An application area such as occupational ergonomics or clinical gait analysis will be used to demonstrate the biomechanical techniques.

Prerequisite: 15 points from ENGGEN 121, PHYSICS 160, EXERSCI 203, SPORTSCI 203

Restriction: SPORTSCI 303

EXERSCI 304 15 Points**Sport Psychology**

The study of psychology as it relates to human behaviour and performance in sport settings. Key concepts include achievement motivation, individual differences, performing under pressure, psychological skills training, team dynamics, and their relationships to human motor behaviour and performance.

Prerequisite: EXERSCI 204 or SPORTSCI 204, or 45 points passed at Stage II or III

Restriction: EXERSCI 207, SPORTSCI 304

EXERSCI 305 15 Points**Movement Neuroscience**

Examines brain and spinal cord organisation and function related to movement, and the neurological mechanisms involved in the planning, execution and control of movement in health and disease. Introduces the concept of neural plasticity as it relates to motor skill learning and recovery after injury in both healthy and neurologically impaired populations. An understanding of human anatomy at the level covered in EXERSCI 103 will also be assumed.

Prerequisite: 15 points from EXERSCI 201, 205, MEDSCI 206, 309, 320, PSYCH 202, SPORTSCI 201

Restriction: SPORTSCI 305

EXERSCI 307 15 Points**Psychology of Physical Activity**

Introduction to the study of psychology as it relates to physical activity, sedentary behaviour and health. Key concepts include exercise motivation, mental health benefits of exercise, models of behaviour change, intervention design, special populations, and the

relationship to the underlying neurophysiology and implications for physical activity behaviour.

Prerequisite: 45 points passed at Stage II or III

Restriction: EXERSCI 204, SPORTSCI 204

EXERSCI 309 15 Points**EXERSCI 309A 7.5 Points****EXERSCI 309B 7.5 Points****Project in Exercise Sciences**

A supervised individual practical project in a clinical or other research laboratory setting to explore and assess how science underpins practical skills.

Prerequisite: 15 points at Stage II or III in Exercise Sciences and Departmental approval

Restriction: SPORTSCI 309

To complete this course students must enrol in EXERSCI 309 A and B, or EXERSCI 309

EXERSCI 310 15 Points**Special Topic****EXERSCI 371 15 Points****Practicum in Exercise and Sport Sciences**

A workplace-based course of supervised practice of not less than 100 hours. Competencies will be developed in the application of advanced physical fitness assessment and design of evidence-based, effective and individualised exercise programmes for the maintenance of health and physical fitness in apparently healthy individuals.

Prerequisite: EXERSCI 271

EXERSCI 399 15 Points**Capstone: Applying Exercise Sciences**

A supervised project course that will focus on applying theoretical knowledge to practical skills. Opportunities will include laboratory and clinic-based research projects, science communication or public engagement projects. Students will work in groups, but will also engage in individual activities to demonstrate their own understanding of topics.

Prerequisite: 15 points from EXERSCI 301, 303, 305, 307

Diploma Courses**EXERSCI 690A 15 Points****EXERSCI 690B 15 Points****Graduate Diploma Research Project**

To complete this course students must enrol in EXERSCI 690 A and B

Postgraduate 700 Level Courses**EXERSCI 702 15 Points****Projects in the Exercise Sciences**

Provides students with an opportunity to collect data in an area of interest, with the aim of validating an area of study towards their theses.

Restriction: SPORTSCI 702

EXERSCI 703 15 Points**Cardiac Rehabilitation**

Seminal literature is used to explore the effects of exercise, physical activity and sedentary behaviour on cardiovascular physiology and pathophysiology within the context of disease prevention and rehabilitation.

Restriction: EXERSCI 720, 721, SPORTSCI 703

EXERSCI 704 15 Points**Advanced Techniques in Biomechanics**

A laboratory-based course which explores the current biomechanics methodology for quantifying human

movements. Emphasis on motion capture, force measurement, accelerometers, clinical gait analysis, balance assessment, and electromyography. Students will apply biomechanical methods to clinical assessment.

Restriction: SPORTSCI 704

EXERSCI 705 **Research in the Exercise Sciences** **15 Points**

Examines the nature and value of research contributions in the Exercise Sciences and their application to further research and evidence-based practice. Evaluates the process of research, inclusive of the development of research questions and hypotheses, the planning and collection of data in an ethical and unbiased manner, the analysis, interpretation and presentation of data and the dissemination of results.

Restriction: SPORTSCI 705

EXERSCI 706 **Seminar in Advanced Exercise Physiology** **15 Points**

A seminar-based course examining the physiological responses and adaptations to physical exercise or inactivity. Students evaluate, present, and discuss seminal and contemporary research publications on selected topics largely focusing on the cardiovascular, metabolic, and musculoskeletal systems. Emphasis will be placed upon investigations of the explanatory elements of adaptation, from the level of the genome to the living human, and the use of relevant contemporary experimental techniques.

Restriction: PHYSIOL 706, SPORTSCI 706

EXERSCI 708 **Advanced Seminar in Movement Neuroscience** **15 Points**

Seminar based course which examines brain organisation and function related to movement in health and disease. Emphasis is placed on contemporary techniques and paradigms in the field of movement neuroscience, with special emphasis on clinical populations that exhibit impaired movement. Neural plasticity is a central theme.

Restriction: SPORTSCI 708

EXERSCI 710 **Exercise Rehabilitation** **15 Points**

The role of exercise and physical activity in the rehabilitation of people living with chronic and long-term health conditions. Professional practice in Aotearoa New Zealand. Evidence-based exercise prescription and outcome measurement for selected client populations.

Restriction: EXERSCI 720, 721, SPORTSCI 710

EXERSCI 711 **Exercise and Performance Psychology** **15 Points**

Examines the basis of exercise motivation and to examine how psychological states can influence movement control and performance in work, sports, and daily life. The course covers theoretical foundations and involves active discussion of recent empirical studies.

EXERSCI 714 **Special Topics in the Exercise Sciences** **15 Points**

Prerequisite: Head of Department approval

Restriction: SPORTSCI 714

EXERSCI 719 **Seminar in Exercise Physiology** **15 Points**

A seminar-based course examining physiological responses and adaptations to exercise, physical activity and inactivity. Students evaluate, present, and discuss seminal and high-quality contemporary research on selected topics with a focus on cardiorespiratory, metabolic, neuromuscular and mental health condition responses to exercise, physical

activity and inactivity. Emphasis is on critical analysis of contemporary experimental techniques to explain physiological responses and adaptations.

EXERSCI 720 **Clinical Exercise Physiology 1** **15 Points**

Develops specialist knowledge in clinical exercise physiology practice, clinical exercise testing, and the effects of medication on exercise responses in people with cardiovascular, pulmonary and metabolic health conditions. Explores the evidence-based, physiological foundations underlying exercise assessment and prescription for people with these chronic health conditions.

EXERSCI 721 **Clinical Exercise Physiology 2** **15 Points**

Develops specialist knowledge in the evidence-based, physiological foundations underlying exercise assessment and prescription for people with orthopaedic, musculoskeletal, neuromuscular, neoplastic, immunologic and mental health-related chronic conditions. Covers treatment planning and reporting, and the critical analysis of the role of exercise in short and long-term chronic disease management.

Prerequisite: EXERSCI 720

EXERSCI 722 **Critical Evaluation of Research in Rehabilitation - Level 9** **15 Points**

Evaluating existing research to inform the design of rehabilitation-focused research studies. This course requires students to obtain and critically evaluate relevant literature, use evidence-based arguments to develop a suitable research question, and design a rehabilitation-related study with appropriate ethical considerations.

Prerequisite: EXERSCI 719

EXERSCI 723 **Research in Rehabilitation - Level 9** **15 Points**

A seminar-based course providing opportunities to collect and analyse, perform appropriate statistical analyses on, and report on results from data obtained from research in clinical rehabilitation settings. Students interpret, disseminate and defend findings in a forum that replicates the rehabilitation setting.

Prerequisite: EXERSCI 722

EXERSCI 724 **Seminar in Advanced Clinical Exercise Physiology - Level 9** **15 Points**

A body of advanced, specialised and emerging areas of clinical exercise physiology practice. Students will be introduced to advanced practitioner roles and associated leadership opportunities within the profession. Professional and inter-professional relations will be addressed.

Prerequisite: EXERSCI 720, 721

EXERSCI 731 **15 Points**

EXERSCI 731A **7.5 Points**

EXERSCI 731B **7.5 Points**

Physiotherapy Healthcare

Students will apply specialist knowledge about the regulation of the practice of physiotherapy in New Zealand supporting professional, legal, ethical, evidence-based and culturally safe practice. Knowledge and skills include Te Tiriti o Waitangi, Māori models of health, government legislation and health strategies, whānau-centred care, interprofessional practice, teamwork, effective communication, and developing a critical consciousness to promote equity in healthcare delivery.

To complete this course students must enrol in EXERSCI 731 A and B, or EXERSCI 731

EXERSCI 732

15 Points

Exercise for Rehabilitation

Students will apply clinical reasoning and deduction to assessment and treatment of individuals across the lifespan living with chronic health conditions to increase life-long physical activity and reduce sedentary behaviours. Knowledge and skills include aerobic capacity testing, functional assessments, exercise intervention, outcome measurement and self-management support for people undergoing cardiac rehabilitation or living with chronic health conditions and older adults.

EXERSCI 733

15 Points

Musculoskeletal Outpatients

Students will evaluate assessments, planning and delivery of interventions for clients with musculoskeletal, orthopaedic, women's health and rheumatologic conditions across the lifespan. Client scenarios will develop clinical reasoning skills underpinning safe, effective and holistic delivery of therapy. Students will learn to formulate differential diagnoses, prioritise clinical problems and implement an evidence-based treatment plan, using manual therapy, exercise and modality-based interventions.

EXERSCI 734

15 Points

Physiotherapy Practice

Students will assess, plan and deliver interventions for case-studies with spinal musculoskeletal, orthopaedic, and rheumatological conditions across the lifespan. Students will formulate differential diagnoses, prioritise clinical problems and generate solutions using knowledge and skills of physiotherapy practice. Students will implement culturally safe, evidence-based treatment plans to a range of clinical case scenarios across the lifespan.

EXERSCI 735

15 Points

Neurological Rehabilitation

Students will apply specialist knowledge to develop skills in evidence-based assessment and intervention across health care settings, focusing on interdisciplinary rehabilitation of neurological and neurodevelopmental conditions through the lifespan. The emphasis will be on normal development and milestones to underpin learning in paediatric rehabilitation. Motor learning principles will be applied to rehabilitate mobility, walking, balance and upper-limb function, including integration of assistive technology.

EXERSCI 736

15 Points

Acute Care

Students will apply advanced knowledge in physiotherapy management of acute respiratory, cardiac, surgical and neurological conditions across the lifespan, and to operate effectively in an interdisciplinary healthcare team. Students will learn to provide cardiopulmonary care for medical, surgical and acute neurological patients and the fundamentals of managing patients in an intensive care unit (ICU) including the role of physiotherapist in an ICU.

EXERSCI 737

15 Points

Physiotherapy in the Community

Students will advance generic skills to manage chronic conditions commonly delivered by healthcare services in urban and rural communities. Learning will include manual therapy and exercise interventions for spinal conditions, chronic pain management, falls prevention, movement disorders, amputees, cancer survivors and paediatric respiratory conditions. Students will learn to deliver e-health rehabilitation and to deliver whānau-centred care for Māori and Pasifika communities.

EXERSCI 738

15 Points

Professional Practice

Students will apply specialist knowledge and skills to support graduate practice. Topics include: advanced professional practice, registration and ongoing professional competency, reflections to enhance critical consciousness, and strategies to maintain physical and mental health. Students will gain essential knowledge for business practices such as Accident Compensation Corporation, private insurance, legal and ethical obligations and occupational health and safety.

Prerequisite: EXERSCI 741, 752, 753

EXERSCI 741

15 Points

Advanced Physiotherapy Practice - Level 9

Students will apply advanced knowledge and skills in specialised and emerging areas of physiotherapy practice, including advanced practitioner roles. Applying critical thinking and evidence-based practices, students will independently develop and evaluate management plans for complex cases. Case scenarios include integration of Hauora Māori, paediatric/neonatal ICU, burns/plastics, spinal cord injury, gender health, hand therapy, palliative care and emergency department physiotherapy.

Prerequisite: EXERSCI 735-737

EXERSCI 751

15 Points

EXERSCI 751A

7.5 Points

EXERSCI 751B

7.5 Points

Physiotherapy Practicum 1

Students will undertake supervised practice in clinical settings. This is the first of 5 clinical practicums across different physiotherapy settings. Students will complete supervised practice for 25 days, usually during a 5- or 6-week block, following a compulsory pre-clinical programme. Students will develop competencies in assessment of clients' problems, analysis of findings, goal setting and implementation and evaluation of interventions. *To complete this course students must enrol in EXERSCI 751 A and B, or EXERSCI 751*

EXERSCI 752

15 Points

Physiotherapy Practicum 2

Students will undertake supervised practice in a clinical setting. This is the second of 5 clinical practicums across different physiotherapy settings. Students will complete supervised practice for 25 days over a 5-week block. Students will develop competencies in assessment of clients' problems, analysis of findings, goal setting and implementation and evaluation of interventions appropriate to the specific clinical setting.

Prerequisite: EXERSCI 751

EXERSCI 753

15 Points

Physiotherapy Practicum 3

Students will undertake supervised practice in a clinical setting. This is the third of 5 clinical practicums across different physiotherapy practice settings. Students will complete supervised practice for 25 days over a 5-week block. Students will develop competencies in assessment of clients' problems, analysis of findings, goal setting and implementation and evaluation of interventions appropriate to the specific clinical setting.

Prerequisite: EXERSCI 751

EXERSCI 754

15 Points

Physiotherapy Practicum 4

Students will undertake supervised practice in a clinical setting. This is the fourth of 5 clinical practicums across different physiotherapy practice settings. Students will

complete supervised practice for 25 days over a 5-week block. Students will develop competencies in assessment of clients' problems, analysis of findings, goal setting and implementation and evaluation of interventions appropriate to the specific clinical setting.

Prerequisite: EXERSCI 751-753

EXERSCI 755 15 Points

Physiotherapy Practicum 5

Students will undertake supervised practice in a clinical setting. This is the final of 5 clinical practicums across different physiotherapy practice settings. Students will complete supervised practice for 25 days over a 5-week block. Students will develop competencies in assessment of clients' problems, analysis of findings, goal setting and implementation and evaluation of interventions appropriate to the specific clinical setting.

Prerequisite: EXERSCI 751-753

EXERSCI 775 15 Points

Seminar in Clinical Exercise Physiology

A body of advanced theoretical and administrative work related to exercise prescription and service delivery. The principles of exercise physiology related to clinical populations, especially individuals who have cardiac, musculoskeletal, neurological, pulmonary, immunological, neoplastic, mood, and metabolic disorders, post-surgical cases, the elderly, and for individuals at risk of developing diseases as a consequence of inactivity. Professional and inter-professional relations will be addressed.

Restriction: SPORTSCI 775, 783

EXERSCI 776 30 Points

Clinical Exercise Physiology Practicum I

Individual interdisciplinary practice in exercise screening, exercise and physical activity assessment, exercise prescription and supervision, exercise, physical activity and health education and promotion in clinical populations. The course integrates ethical, safe, reflective and culturally responsive practice through supervised clinical work of not less than 200 hours.

EXERSCI 777 30 Points

Clinical Exercise Physiology Practicum II

Individual interdisciplinary practice in exercise screening, exercise and physical activity assessment, exercise prescription and supervision, exercise, physical activity and health education and promotion in clinical populations. The course integrates ethical, safe, reflective and culturally responsive practice through supervised clinical work of not less than 200 hours.

Prerequisite: EXERSCI 776

EXERSCI 778 30 Points

EXERSCI 778A 15 Points

EXERSCI 778B 15 Points

Clinical Exercise Physiology Practicum III

Individual and interdisciplinary practice in exercise screening, exercise and physical activity assessment, exercise prescription and supervision, exercise, physical activity and health education and promotion in clinical populations. The course integrates ethical, safe, reflective and culturally responsive practice through supervised clinical work placements of not less than 200 hours.

Prerequisite: EXERSCI 777

To complete this course students must enrol in EXERSCI 778 A and B, or EXERSCI 778

EXERSCI 779

30 Points

Clinical Exercise Practicum 4

Individual and interdisciplinary practice in exercise screening, exercise and physical activity assessment, exercise prescription and supervision, exercise and physical activity counselling and health education and promotion in clinical populations. The course integrates ethical, safe, reflective and culturally responsive practice through supervised clinical work of not less than 200 hours.

Prerequisite: EXERSCI 771 or 776, and EXERSCI 772 or 777, and EXERSCI 773 or 778

Restriction: EXERSCI 774, SPORTSCI 774, 782

EXERSCI 780A 22.5 Points

EXERSCI 780B 22.5 Points

BSc(Hons) Dissertation in Exercise Sciences - Level 9

Restriction: SPORTSCI 788, 789

To complete this course students must enrol in EXERSCI 780 A and B

EXERSCI 781 30 Points

EXERSCI 781A 15 Points

EXERSCI 781B 15 Points

Research Project - Level 9

Restriction: SPORTSCI 691

To complete this course students must enrol in EXERSCI 781 A and B, or EXERSCI 781

EXERSCI 782 60 Points

EXERSCI 782A 30 Points

EXERSCI 782B 30 Points

Dissertation - Level 9

Restriction: EXERSCI 780

To complete this course students must enrol in EXERSCI 782 A and B, or EXERSCI 782

EXERSCI 790A 15 Points

EXERSCI 790B 15 Points

Research Project in Physiotherapy - Level 9

Students will apply skills in research and rangahau to undertake a practice-oriented research project. Students will critically interpret and disseminate project findings with reference to systematic reviews, meta-analyses and clinical guidelines to inform evidence-based physiotherapy practice. Individually, or as part of a small group, students will work under the direct supervision of a staff member.

Prerequisite: EXERSCI 741, 752, 753

Corequisite: EXERSCI 738

To complete this course students must enrol in EXERSCI 790 A and B

EXERSCI 792A 22.5 Points

EXERSCI 792B 22.5 Points

MSc Dissertation in Clinical Exercise Physiology - Level 9

A scholarly discussion of a topic related to clinical exercise physiology.

Restriction: SPORTSCI 786, 787

To complete this course students must enrol in EXERSCI 792 A and B

EXERSCI 796A 60 Points

EXERSCI 796B 60 Points

MSc Thesis in Exercise Sciences - Level 9

Restriction: SPORTSCI 796

To complete this course students must enrol in EXERSCI 796 A and B

Food Science

Stage I**FOODSCI 100** 15 Points**Foundations of Food and Nutrition**

Introduces students to the multifaceted nature of Food Science and Nutrition with a focus on the interplay between food, nutrition and health. Introduce the chemical, biological, sensory, and processing aspects of foods. Societal, economic, legislative and regulatory aspects will also be introduced. Concepts will be illustrated using real food systems with a focus on lipids, water and vitamin C.

Restriction: FOODSCI 201

FOODSCI 110 15 Points**Concepts in Food and Nutrition**

Introduces students to the multifaceted nature of food science and nutrition with a focus on the interplay between food, nutrition and health. Provides general insights relating food molecules to food function and health. Societal, economic, legislative and regulatory aspects will also be explored. No background in science is assumed.

Restriction: FOODSCI 100

Stage II**FOODSCI 200** 15 Points**Food Composition and Nutrition**

Covers the composition and structure of food. The approach will extend the FOODSCI 100 content from lipids to proteins, carbohydrates and key minor food components. There will be a focus on the molecular structure of the major food components and how they relate to the physical, sensory and nutritional properties of foods.

Prerequisite: 15 points from BIOSCI 106, CHEM 110, FOODSCI 100

Restriction: FOODSCI 201

FOODSCI 202 15 Points**Food Preservation**

Food is spoilt by microbiological, chemical, biochemical and physical processes. It is important to understand the mechanism of spoilage caused by each of these processes in order to prevent or minimise such degradation. This course includes fundamental principles covering the preservation and processing of different food products. The principles involved in the development of food safety and HACCP programmes, as well as New Zealand food laws are also covered.

Prerequisite: 15 points from FOODSCI 200, 201, 15 points from MATHS 108, 110

Restriction: FOODSCI 302

Stage III**FOODSCI 301** 15 Points**Food Quality Attributes**

Attributes that make food attractive, such as colour, flavour, and texture, and how they alter during processing are studied. Texture measurement and methods of studying food structure will be discussed. Lectures will be given on non-destructive testing of food.

Recommended preparation: BIOSCI 203

Prerequisite: FOODSCI 200 or 201

FOODSCI 303 15 Points**Sensory Science**

Human perception and preference of food products. Design of experiments, statistical methodologies and applications

in industry and research. Sampling of foods is undertaken in this course.

Prerequisite: 15 points from STATS 101, 108 and 15 points from FOODSCI 200, 201

Corequisite: FOODSCI 301 or Permission of the Programme Director/Course Coordinator

FOODSCI 306 15 Points**Principles of Food Processing**

The fundamental principles of freezing and thawing, thermal processing and canning, fermentation and dehydration are studied. The fundamental areas of engineering relevant for food processing such as heat and mass transfer, are covered. Process impact on food safety, quality and preservation is also discussed.

Prerequisite: FOODSCI 202

Restriction: CHEMMAT 756

FOODSCI 310 15 Points**Theory of Food Product Design**

Examines the science underpinning human sensory perception and food preferences and how this science interfaces with the design and development of food products as well as the fundamental aspects of food product development.

Prerequisite: FOODSCI 100, 200 and STATS 101 or 108

Restriction: FOODSCI 303, 304

FOODSCI 399 15 Points**Capstone: Food and Nutrition**

Food and Nutrition pathway students will work together in groups to identify and develop a new food product or food system that addresses or responds to a nutritional issue. Students will focus on the interplay between the nutritional aspects of the product or system and the sensory, stability, convenience, cost, regulatory and processing aspects of the product.

Prerequisite: FOODSCI 303 or 310 and a further 30 points at Stage III in Food Science and Nutrition

Diploma Courses**FOODSCI 691** 30 Points**FOODSCI 691A** 15 Points**FOODSCI 691B** 15 Points**Postgraduate Diploma Research Project**

To complete this course students must enrol in FOODSCI 691 A and B, or FOODSCI 691

Postgraduate 700 Level Courses**FOODSCI 703** 15 Points**Food Processing**

Preservation of food by standard methods including freezing, dehydration and thermal processing. New developments in food preservation. Unit operations, mass and energy balance, and heat transfer are covered. Chemical and physical changes food undergoes during processing.

FOODSCI 705 15 Points**Project in Food Science**

Prerequisite: Permission of Programme Director

FOODSCI 706 15 Points**Food Safety**

An understanding of the changing regulations that apply to the New Zealand food industry is of paramount importance. Pathogen awareness and control from an industry

perspective are examined. HACCP and risk management plans will be generated.

Prerequisite: Permission of Programme Director

FOODSCI 707 15 Points
Food Science

Chemical, biological and physical aspects of foods. The decomposition of food due to lipid oxidation. Integrated study of selected basic foods.

FOODSCI 708 15 Points
Advanced Food Science

The functions and properties of food additives. Food attributes including colour, flavour and texture. Enzymic and non-enzymic browning. Emulsions and foams. Introduction to the Food Regulations. Interaction of macromolecules.

Prerequisite: Permission of Programme Director

FOODSCI 709 15 Points

FOODSCI 709A 7.5 Points

FOODSCI 709B 7.5 Points

Selected Topics in Food Science and Technology

Modules will be organised by the staff and invited lecturers. Topics offered will usually be based on the specialist interests of the lecturers, although controversial issues may be included (for example, genetically modified food, irradiated food). Students may be required to participate actively by contributing seminars. Topics may vary from year to year.

To complete this course students must enrol in FOODSCI 709 A and B, or FOODSCI 709

FOODSCI 710 15 Points
Industrial Internship - Level 9

The industrial internship is an opportunity for students to experience the food industry at first hand. While the placement would normally be in New Zealand, overseas internships are possible. The student will work in the food organisation on a defined project under the supervision of a suitably qualified person. A detailed written report on the assignment must be submitted.

Prerequisite: Permission of Programme Director

FOODSCI 715 15 Points
Food Allergens and Intolerants

An understanding of the epidemiology, management, regulation and classification of food allergens and intolerants in accordance with Food Standard 1.2.3 (Australia New Zealand Food Standards Code). This includes the study of foods or food groups with the major food allergens as identified in the Food Allergen Labeling and Consumer Protection Act (FALCPA), and application to new product development and labeling.

FOODSCI 740 15 Points
Food Analysis

Students are provided with an opportunity to experience a range of analytical techniques that are used in food industry laboratories and in food science research.

Restriction: FOODSCI 301, 610

FOODSCI 750 15 Points
Advanced Topics in Food Science 1

A modular course consisting of topics chosen from the diverse research interests of the Food Science staff and academic visitors which may vary from year to year.

Prerequisite: Permission of Programme Director

Restriction: FOODSCI 709

FOODSCI 751 15 Points

Advanced Topics in Food Science 2

A modular course consisting of topics chosen from the diverse research interests of the Food Science staff and academic visitors which may vary from year to year.

Prerequisite: Permission of Programme Director

Restriction: FOODSCI 709

FOODSCI 752 15 Points

Research Proposal - Level 9

A review of the literature and research methods associated with a selected research topic assigned to an individual student. This will be at internationally recognised academic standards and demonstrate a capacity for independent thinking. It will include a consideration of the project from a Vision Mātauranga perspective.

Prerequisite: Permission of Programme Director

FOODSCI 755 15 Points

Special Topic

Prerequisite: Programme Director approval

FOODSCI 788 60 Points

FOODSCI 788A 30 Points

FOODSCI 788B 30 Points

BSc(Hons) Dissertation in Food Science - Level 9

A research proposal will be prepared on the dissertation topic. Students will be required to present an overview of the proposal in a seminar. Students will participate in the critical analysis of scientific papers. The student will carry out an original piece of research. The results will be presented and discussed in a dissertation. A seminar on the research will be given.

Restriction: FOODSCI 789

To complete this course students must enrol in FOODSCI 788 A and B, or FOODSCI 788

FOODSCI 790 30 Points

FOODSCI 790A 15 Points

FOODSCI 790B 15 Points

Research Project - Level 9

Prerequisite: Permission of Programme Director

To complete this course students must enrol in FOODSCI 790 A and B, or FOODSCI 790

FOODSCI 791 60 Points

FOODSCI 791A 30 Points

FOODSCI 791B 30 Points

Dissertation - Level 9

Prerequisite: Permission of Programme Director

To complete this course students must enrol in FOODSCI 791 A and B, or FOODSCI 791

FOODSCI 796A 60 Points

FOODSCI 796B 60 Points

MSc Thesis in Food Science - Level 9

Prerequisite: Permission of Programme Director

To complete this course students must enrol in FOODSCI 796 A and B

Forensic Science

Postgraduate 700 Level Courses

FORENSIC 701 15 Points

Fundamental Concepts in Forensic Science

Ethics and quality assurance in forensic science. Principles of criminal law, principles of evidence and procedure, expert evidence, interpretation of scientific evidence,

probability and statistics. Forensic pathology, psychology and psychiatry.

FORENSIC 702 15 Points

Introduction to Forensic Science

Forensic biology, documents, fingerprints, physical evidence, toolmarks, fire examination, explosives, hairs and fibres, drugs, toxicology, alcohol (including blood and breath alcohol), crime scene examination, firearms identification.

FORENSIC 703 15 Points

Statistics and Molecular Biology for Forensic Science

Statistics: data summarisation and reduction, laws of probability, conditional probability, likelihood ratios and Bayes theorem. Interpretation of statistical results. Forensic biology: basic principles of population genetics, genomic structure, conventional blood grouping. DNA profiling: structure, enzymology and basic chemistry of nucleic acids, PCR and microsatellites, interpretation of DNA profiles, developing forensic DNA technologies.

FORENSIC 704 15 Points

Techniques and Applications for Forensic Science

Analytical techniques: GC, HPLC, GC-MS chromatography, IR and UV spectroscopy. Applications: toxicology, illicit drugs, sports drugs, racing chemistry. Physical and trace evidence.

FORENSIC 706 15 Points

Environmental Forensic Science

Concepts of environmental science. Environmental monitoring and spill analysis, environmental legislation, criminal and environmental law. Case studies and practical work.

FORENSIC 707 30 Points

FORENSIC 707A 15 Points

FORENSIC 707B 15 Points

Project in Forensic Science

A research essay on an aspect of forensic science.

Restriction: FORENSIC 705

To complete this course students must enrol in FORENSIC 707 A and B, or FORENSIC 707

FORENSIC 708 15 Points

Special Topic: Forensic Science in a Digital World

Principles and applications of data science and statistics to forensic science. Methods may include machine learning, artificial intelligence, Bayesian inference, data visualisation, data security and the ethical use of data. Applications may include wastewater analysis, DNA sequencing, drug identification, biometrics, and crime detection and prevention. Prior knowledge of basic statistics is assumed. Familiarity with statistical programming language R is beneficial.

FORENSIC 710 15 Points

FORENSIC 710A 7.5 Points

FORENSIC 710B 7.5 Points

Advanced Topics in Forensic Science

A modular course comprising topics in Forensic Science related to staff research interests.

To complete this course students must enrol in FORENSIC 710 A and B, or FORENSIC 710

FORENSIC 796A 60 Points

FORENSIC 796B 60 Points

MSc Thesis in Forensic Science - Level 9

Note: The Forensic Science MSc thesis research courses are mounted with the assistance of the Institute of

Environmental Science and Research Ltd (ESR) and ESR facilities and databases will be used for some research. As ESR facilities and databases are relied on in Court proceedings, appropriate steps must be taken to ensure the integrity of ESR's analyses. This means students wishing to use ESR laboratory facilities as part of the MSc programme will be subject to the same type of access requirements as ESR employees. This includes a security clearance (essentially a check of any convictions recorded against you) and a drug test prior to being given access to ESR resources. Students will normally be required to provide a DNA sample to ensure that any allegations of cross-contamination of a DNA sample can be properly investigated. The DNA profile will be retained by ESR. All other information will be returned to the students at the completion of their studies. Students who would like further details of these conditions should contact the Programme Director.

Prerequisite: Permission of Programme Director

To complete this course students must enrol in FORENSIC 796 A and B

Geographic Information Science

Stage II

GISCI 241 15 Points

Principles of Remote Sensing

An introduction to remote sensing tools and techniques and their application within the earth, environmental and urban environments. The course focuses on the processing, analysis and interpretation of data collected by government and commercial satellites, Unmanned Aerial Vehicles (UAV) and aerial photography. The course introduces image interpretation, multispectral images, supervised and unsupervised image classification and change detection. Techniques for analysing remote sensing data are introduced through a series of lab-based activities and are applied during an independent project.

Prerequisite: 60 points passed or 30 points from ENV 100-103

GISCI 242 15 Points

Principles of GIScience

Spatial analysis and GIScience applications of spatial data handling for built and natural environments within the context of theoretical frameworks for understanding human-driven and physical phenomena. Develops advanced practical knowledge of methodology and applications for changing environments. Focus topics include climate change, air pollution, healthcare access, transportation, and 3D game worlds.

Prerequisite: 60 points passed or 30 points from ENV 100-103

Restriction: GEOG 318

GISCI 243 15 Points

Special Topic

Stage III

GISCI 341 15 Points

Remote Sensing of Surface Processes

Key concepts of geographic information science as applied to earth and environmental sciences. Monitoring, analysis, visualisation and modelling of landscape change for terrestrial and coastal environments, using imagery from satellites, airplanes (LiDAR) and UAVs. Principles and practice of field techniques, including RTK-GPS, LiDAR and UAV piloting will be reviewed with application to catchment

management, conservation, natural hazards and civil infrastructure.

Prerequisite: GISCI 241

Restriction: GEOG 317

GISCI 343 **15 Points**
GIScience Programming and Development

Programming and scripting-based techniques for spatial big data analysis, spatial data handling, modelling, automation, and development for the GIScience domain.

Prerequisite: 15 points from GISCI 241, 242, GEOG 317, 318

GISCI 344 **15 Points**
Special Topic

GISCI 390 **15 Points**
Directed Study

Prerequisite: Approval of Programme Director or Major/Specialisation Lead

GISCI 399 **15 Points**
Capstone: GIScience

Students will independently demonstrate domain knowledge through applying their skills as members of groups completing a community-based GIScience projects serving needs identified by community stakeholders. Groups will be assembled based on skillsets of individual students (e.g., programming, remote sensing, advanced vector analysis, etc.), and students will be assessed on their independent contributions to the group project.

Prerequisite: 30 points at Stage III in Geographic Information Science

Geography

Stage I

GEOG 104 **15 Points**
GEOG 104G **15 Points**

Cities and Urbanism

What makes a great city? This course explores 'urbanism' in both historical and contemporary cities to determine the essence of urbanity and the way that citizens (and visitors) experience city life. The dynamics and character of cities are considered in terms of their built environment, environmental systems, population, social diversity, and planning policies and practices.

Stage II

GEOG 202 **15 Points**
Cities, Regions and Communities

A critical examination of geographic processes and consequences in contemporary society. Topics are selected from the instructors' research interests, which include: the transformation of urban places and spaces; the forms and location of industries and retailing; social geographies of the city; New Zealand's linkages with the global economy and society; urban historical geographies; and demographic and social changes in New Zealand and the Pacific region.

Prerequisite: 60 points passed or 30 points from ENV 100-103

GEOG 205 **15 Points**
Environment and Society

A critical exploration of the interconnectedness of environment and society. The course highlights the importance of understanding how different views and attitudes influence people's interactions with the environment. Key themes include governance, management and development, which are addressed through issues such

as conservation, climate change adaptation, disasters and resource use. Classes draw on a variety of case studies from New Zealand and overseas.

Prerequisite: 60 points passed or 30 points from ENV 100-103

GEOG 250 **15 Points**
Geographical Research in Practice

A critical exploration of the research experience in geography. Case studies and field work demonstrate approaches to understanding the complex interactions of social and environmental processes. Students will develop practical skills in problem identification, research methodologies, ethics and analytical practices.

Prerequisite: 60 points passed or 30 points from ENV 100-103

GEOG 261 **15 Points**
Climate and Society

Exploration of themes in climatology, meteorology, hydro-climatology and oceanography with a focus on the nature and role of key processes. These will be examined in relation to key issues for society such as extreme weather events, drought, floods, air pollution and climate change.

Prerequisite: 60 points passed or 30 points from ENV 100-103

Restriction: EARTHSCI 261

GEOG 262 **15 Points**
Geomorphology

Introduces fundamental concepts in geomorphology for geologists and physical geographers. Key aspects of geomorphology, sedimentology, and earth surface processes are introduced by studying the temporal and spatial development of coastal and river landforms. Applied techniques for earth and environmental sciences, including field, remote sensing, GIS mapping, and modelling.

Prerequisite: 60 points passed or 30 points from ENV 100-103

Restriction: EARTHSCI 262

Stage III

GEOG 305 **15 Points**
Population, Health and Society

A survey of major themes in population, health and social geography. An examination of the dynamics of population complements analyses of health and healthcare, the education sector, the welfare state, and the changing character of urban places.

Prerequisite: 30 points at Stage II

GEOG 306 **15 Points**
Special Topic

GEOG 307 **15 Points**
Urban Geography

Analysis of key processes shaping socio-cultural geographies of contemporary cities. Using international and local examples, issues such as the economy of cities, the culture of cities, home and housing, segregation and polarisation, the imaging of cities and sustainability are explored.

Prerequisite: 30 points at Stage II

GEOG 308 **15 Points**
Geopolitics and Indigenous Rights

Examines Indigenous peoples as agents of geopolitical change. Introduces colonial/decolonial geographies to demonstrate the geopolitical implications of Indigenous ways of knowing, being and doing. Key themes include: territory and geopolitics; Indigenous identities, subject-formation and intersectionality; Indigenous knowledges,

rights and political agency; and, Indigenous relationships with non-Indigenous peoples.

Prerequisite: 30 points at Stage II

Restriction: GEOG 312

GEOG 320 15 Points
Resources and Environmental Management

Examines the development and conservation of the environment in its use as a resource base, with particular reference to the way in which institutional structures in society determine provision and allocation. Attention is balanced between international experience and the policy framework in New Zealand. The course provides an understanding of key concepts, practices and methods.

Prerequisite: 30 points at Stage II

GEOG 325 15 Points
The Human Dimension of Disasters

An overview of the human dimension of disasters which covers crucial concepts and theories, vulnerability and the causes of disasters, disaster risk reduction and management, post-disaster recovery and transversal issues such as culture and gender. The discussions encompass not only theoretical but also policy and practical materials and draw on examples and case studies from throughout the world with a particular focus on the most vulnerable and marginalised areas and communities.

Prerequisite: 30 points at Stage II

GEOG 327 15 Points
Politics, Markets and Economies

Uses geographical insights to explore the interrelationships between politics, economy and culture. The course focuses attention on institutions, subjectivity and the making of markets. It examines political projects and economic spaces such as higher education, food and creative economies at the regional, national, and global level.

Prerequisite: 30 points at Stage II

GEOG 335 15 Points
Applied Physical Geography

Examines the challenges of 'doing science' in the real world. With particular emphasis on climate, fluvial and coastal processes, the types of data, knowledge and information needed for decision making in environmental contexts are examined. Examines the ways human activities effect, and are affected by, the environmental settings of humans. Seeks improved understanding, and prediction, of the world around humans framed as both a resource and hazard.

Prerequisite: 45 points at Stage II in Geography

GEOG 342 15 Points
Technology, Power and Social Change

Technology, algorithms, and Big data are changing our relationships with reality, space and power. This course explores how we know each other, society, and ourselves in this period of unprecedented technological change

Prerequisite: 45 points at Stage II

GEOG 351 15 Points
Coastal and Marine Studies

Focuses on the development of coastal landforms across a range of temporal and spatial scales. Introduces natural processes such as waves, tides and circulation, as well as geological-scale coastal evolution driven by changes in sea level and sediment supply. The course has an applied focus with specific emphasis on coastal management problems that affect society. Issues considered include

coastal erosion during storms, the impacts of shoreline engineering, climate change and accelerating sea level rise.

Prerequisite: 45 points at Stage II, including EARTHSCI 262 or GEOG 262, or equivalent

GEOG 352 15 Points
Landscape, Environment and Heritage

An examination of environmental change from a historical geography perspective. Approaches to investigating and understanding the transformation of environments are explored, and processes driving creation of different types of landscapes including heritage places are considered. The course enables students to place the modern environment within a historical context.

Prerequisite: 30 points at Stage II

GEOG 390 15 Points
Directed Study

Prerequisite: Approval of Programme Director or Major/Specialisation Lead

GEOG 399 15 Points
Capstone: Geography

An engagement with the research process, as practised in geography. Students will undertake an independent research project and communicate their findings, with due attention to research design, methodology, research ethics, information sources, field practise, data analysis, and research communication. Independent or small group research projects may involve residential or local fieldwork, laboratory analysis, desktop analysis or other research activities.

Prerequisite: GEOG 250 and 30 points at Stage III in Geography

Postgraduate 700 Level Courses

GEOG 701 15 Points
Research in Practice

A reflection on the process of developing research projects from theory to methods, analysis, and the presentation of findings. Attention is directed to the ways in which research is shaped by intellectual histories, pressing social and environmental challenges, and contemporary academic and political debates. The course allows students to develop specialised interests in geography or environmental management.

GEOG 714 15 Points
Mobilities and Wellbeing

An exploration of place-based human mobilities and their influence on health and wellbeing, employing current theoretical perspectives. No formal prerequisite, but an understanding of material in Stage III courses in human geography will be assumed.

GEOG 719 15 Points
Geographies of Housing and Urban Change

Advanced study of housing and urban issues, including the topics of homeownership, asset-based welfare, the politics of housing affordability, housing reforms and the changing dynamics of gentrification. Contemporary issues such as mortgage market dynamics and social rented housing reforms are examined. The course will consider also urban governance, office property investment and development processes, and sites of consumption and spectacle.

GEOG 725 15 Points
People, Participation and Development

A critical overview of issues associated with people's participation in development in their geographical context, including processes and outcomes, accountability,

empowerment and transformation in the context of livelihood strengthening, resource management, health and sanitation, education and disaster risk reduction. The course provides the students with theoretical knowledge but also practical skills through the use in class of participatory tools as both contents and teaching aids. Discussions rely upon concrete examples from throughout the world with a particular focus on marginalised places.

GEOG 737 15 Points

Geographies of Public Policy

Exploring 'policy' — an all too familiar and taken for granted term — by focusing on how policies get made, how different actors and varieties of expertise influence the policy process, and how policies shape people and place. It introduces students to transdisciplinary conversations involving geographers, anthropologists, sociologists and urbanists.

GEOG 738 15 Points

Future Food and Biological Economies

Investigates contemporary understandings, issues and strategies relating to the development of biological economies and food networks in the context of the globalising food economy. Addresses transformations in agro-food complexes and questions of nature-society relationships to do with 'sustainable' and 'resilient' food production and consumption.

GEOG 745 15 Points

Applied Fluvial Geomorphology

Catchment-scale perspectives are used to analyse spatial and temporal variability in river forms and processes. River responses to disturbance are placed in a longer-term evolutionary context. Prospective river futures are appraised using field analyses and numerical modelling applications. These principles and techniques are used to discuss management options. No formal prerequisite but final year undergraduate experience in a related field required.

GEOG 746 15 Points

Coastal Environments

Coastal environments are among the most dynamic landscapes on Earth, but face growing pressure from human encroachment, rising sea levels and changing storm patterns. This course provides scientific knowledge and expertise required to grapple with coastal management problems that affect society. Coastal processes and landform development are discussed. Students obtain practical skills in state-of-the-art techniques used to understand coastal change.

GEOG 749 15 Points

Applied Climate Science

An examination of climate themes relevant to society. Themes will vary but may include hydrology and water resources, agriculture, human health, ocean-atmosphere interaction and energy in the climate system. The sensitivity of selected biophysical and human activity systems to climate will be explored and the actual and potential impacts of climatic variability and change (past and future) investigated.

GEOG 750 15 Points

Environment and Landscape

Environmental change in New Zealand since European settlement, including exploitation of natural resources, the creation of different cultural landscapes, and recognition of places as natural and cultural heritage. Different

approaches to investigating and understanding recent environmental change are addressed. The course is suitable for physical and social science students, and will enable them to place the modern environment within a historical context. The course may include short guided walks and a one day or two half-day fieldtrips.

GEOG 759 15 Points

Research Topics in Geography

Directed research on an approved topic or topics.

Prerequisite: Approval of Programme Director or Major/ Specialisation Lead

GEOG 760 15 Points

Directed Study in Geography

Directed studies on an approved topic or topics.

Prerequisite: Academic Head approval

GEOG 761 15 Points

Special Topic: Monitoring Change from Space with Machine Learning

Remotely sensed (satellite) data and machine learning techniques will be used to classify and analyse both commercial and environmental targets through time. Techniques will focus on both pixel classification and object detection and students will experience the latest in satellite imagery analysis with a focus on deriving actionable information.

GEOG 771 15 Points

Spatial Analysis and Geocomputation

Approaches to and challenges in analysing spatial data. Specific techniques will include geographical regression, point pattern analysis, interpolation, and newer geocomputation and machine learning methods. Students will gain an advanced knowledge of spatial analysis. An understanding equivalent to GISCI 242 will be assumed.

GEOG 774 15 Points

Advanced Spatial Data Handling

Advanced approaches to spatial data handling (processing, management, visualisation, and analysis) in web-based environments, including theoretical debates and implications as well as applications for spatial data handling in integrated open-source and web-based mapping/GIS environments. There will be an applied laboratory component and lecture/seminar component where the broader social and theoretical implications of developments in spatial data handling will be engaged. No formal prerequisite, but an understanding equivalent to GEOG 318 will be assumed.

GEOG 789 30 Points

GEOG 789A 15 Points

GEOG 789B 15 Points

Honours Research Project - Level 9

To complete this course students must enrol in GEOG 789 A and B, or GEOG 789

GEOG 793 60 Points

Dissertation - Level 9

GEOG 796A 60 Points

GEOG 796B 60 Points

Masters Thesis in Geography - Level 9

To complete this course students must enrol in GEOG 796 A and B

Geophysics

Stage III

GEOPHYS 310 15 Points
Physics of the Earth

Covers the physics of the solid earth from the surface to the core. Specifically, the course explores the Earth's gravitational field (including the rotation and figure of the earth), seismology, heat flow, the magnetic and electromagnetic field to unravel the properties, processes, and structure of the Earth's interior.

Prerequisite: 15 points from EARTHSCI 103, 120, GEOLOGY 103, and 15 points from GEOPHYS 213, PHYSICS 213, and 15 points from ENGSCI 211, MATHS 253, 260, PHYSICS 211
Restriction: GEOPHYS 330

GEOPHYS 311 15 Points
Atmosphere, Ocean, and Climate Physics

Examines the physical and dynamic processes shaping the atmosphere and oceans, covering the thermodynamics of the climate system and the dynamics of global atmospheric and oceanic circulations. Explores the fundamental physical processes that control Earth's climate and investigates the dilemmas they present in our current understanding of climate.

Prerequisite: 15 points from PHYSICS 201, 231, and 15 points from GEOPHYS 213, PHYSICS 213, and 15 points from ENGSCI 211, MATHS 253, 260, PHYSICS 211

Restriction: GEOPHYS 331

GEOPHYS 339 15 Points
Special Topics in Geophysics

GEOPHYS 361 15 Points
Fundamentals and Applications of Geophysical Exploration

The fundamentals of geophysical exploration methods and their application. The course will provide a comprehensive overview of seismic techniques, geophysical borehole methods, and an introduction to gravity, electric, magnetic, electromagnetic, and radar techniques. Applications of these will be considered including hydrocarbon, mineral and geothermal exploration. Geophysical data will be acquired and analysed through field and laboratory work.

Prerequisite: 15 points from EARTHSCI 103, 120, GEOLOGY 103, and GEOPHYS 213 or PHYSICS 213 and MATHS 208 or equivalent
Restriction: EARTHSCI 361, GEOLOGY 361

GEOPHYS 399 15 Points
Capstone: Geophysics

Students will employ core methodologies (experimental, observational, computational, numerical) to investigate some aspect of a key geophysical phenomenon, and relate their findings to contemporary research in the field, considering wider societal aspects and issues. Students will develop their skills in communication, critical thinking, teaching and creative problem solving.

Prerequisite: 30 points from GEOPHYS 310, 311, 361

Restriction: EARTHSCI 399, PHYSICS 399

Diploma Courses

GEOPHYS 690 30 Points
GEOPHYS 690A 15 Points
GEOPHYS 690B 15 Points

Graduate Diploma Research Project

To complete this course students must enrol in GEOPHYS 690 A and B, or GEOPHYS 690

GEOPHYS 691 30 Points
GEOPHYS 691A 15 Points
GEOPHYS 691B 15 Points

Postgraduate Diploma Research Project

To complete this course students must enrol in GEOPHYS 691 A and B, or GEOPHYS 691

Postgraduate 700 Level Courses

GEOPHYS 780 15 Points
Directed Study

GEOPHYS 789 30 Points
GEOPHYS 789A 15 Points
GEOPHYS 789B 15 Points

Honours Research Project - Level 9

To complete this course students must enrol in GEOPHYS 789 A and B, or GEOPHYS 789

GEOPHYS 796A 60 Points

GEOPHYS 796B 60 Points

MSc Thesis in Geophysics - Level 9

To complete this course students must enrol in GEOPHYS 796 A and B

Information Management

Stage I

INFOMGMT 192 15 Points
Information Tools for Business

The ability to manage and analyse information is essential in many aspects of business. This course provides a practical introduction to a variety of information tools used to analyse and visualise data relating to aspects of information management. Through these tools and methods students explore using data to inform decisions related to a variety of activities.

Stage III

INFOMGMT 399 15 Points
Capstone: Information Management

Students work in a small group to solve a substantial problem. Groups are expected to reason on a problem, devise a solution, produce an artefact and present their work. The capstone provides an opportunity to students to further develop their technical and communication skills.

Prerequisite: BUSAN 201 or INFOMGMT 292, and COMPSCI 230 or INFOSYS 220, and 15 points from COMPSCI 215, INNOVENT 203, OPSMGT 258, SCIGEN 201, and 30 points from BUSAN 300-305, COMPSCI 345, INFOMGMT 390, 392, 393, INFOSYS 300, 320-323, 330, 338, 339, 341, MKTG 308, OPSMGT 357

Marine Science

Stage I

MARINE 100 15 Points
MARINE 100G 15 Points

The Oceans Around Us

A multidisciplinary approach to understanding the importance of our oceans in terms of natural processes and human uses and values. It includes an understanding of the physical and biological processes in the ocean and how they are addressed through ocean management in New Zealand and internationally, allowing informed debate about the future of the ocean realm.

Stage II**MARINE 202** 15 Points**Principles of Marine Science**

An introduction to the physical and biological structure of the oceans, sea floor, coastlines and the biological communities that inhabit them. Subject matter includes an overview of the nature and scope of marine science globally and within the New Zealand and Auckland contexts. A wide coverage of marine science issues are presented with an emphasis on multidisciplinary examples.

Prerequisite: 30 points at Stage I in BSc courses

MARINE 203 15 Points**Special Topic****Stage III****MARINE 302** 15 Points**Dynamics of Marine Systems**

Fundamental processes in the marine environment with an emphasis on interdisciplinary linkages in the functioning of marine ecosystems. Topics include: the role of fluid dynamics in the lives of marine animals and in shaping the physical marine environment, and interdisciplinary studies of marine ecosystems.

Prerequisite: MARINE 202

MARINE 303 15 Points**Freshwater and Estuarine Ecology**

The structure, biodiversity and ecology of lakes, streams, wetlands and estuaries and linkages with near-shore marine habitats. Emphasis is placed on the role of science in monitoring and managing these ecosystems. Case studies include the impact of Auckland's urban sprawl on stream, estuarine and near-shore marine habitats, and local estuaries as nurseries for fish.

Prerequisite: 15 points from BIOSCI 206, ENVSCI 201, MARINE 202

Restriction: BIOSCI 330

MARINE 304 15 Points**Advanced Concepts in Marine Science**

Independent study on current topics in marine science under the guidance of an individual academic with similar interests to the student, focusing on specialist research techniques in chosen subfields of marine science.

Restriction: MARINE 399

MARINE 306 15 Points**Special Topic****MARINE 307** 15 Points**Directed Study****MARINE 399** 15 Points**Capstone: Marine Science**

Students demonstrate mastery of concepts and skills learnt during their degree through the production and presentation of a project in Marine Science developed in conjunction with a mentor from the academic staff.

Prerequisite: MARINE 202 and 30 points at Stage III in BSc courses

Restriction: MARINE 304

Postgraduate 700 Level Courses**MARINE 701** 15 Points**Current Issues in Marine Science**

An exploration of current topics in Marine Science. The topics and material will recognise the wide range of undergraduate experience across participants and

emphasise the value of cross-disciplinary approaches to Marine Science.

MARINE 702 15 Points**Field Techniques in Marine Science**

An advanced course in the development of practical skills in research design, implementation and analysis in Marine Science.

MARINE 703 15 Points**Marine Protected Areas - Level 9**

Current research related to marine protected areas is reviewed, including planning principles and processes for designing marine protected areas, and its role in science, conservation of biological diversity, and fisheries. Practical components include visits to marine reserves, exposure to planning software, and analysis of marine protected related data. The knowledge and skills gained are applied with an independent research project.

Restriction: ENVSCI 726

MARINE 704 15 Points**Special Topic****MARINE 705** 15 Points**Ocean Management and Planning**

Approaches to management and conservation of global oceans are changing rapidly to address increasingly complex social, economic and environmental issues. Reviews current ocean governance, policy, planning and management approaches, modern ocean management and planning tools using examples from recent international ocean conservation projects.

MARINE 706 15 Points**Special Topic****MARINE 707** 15 Points**Applied Estuarine Ecology**

Emphasises multi-disciplinary science that integrates across different empirical and theoretical approaches to better understand the functioning of soft-sediment ecosystems. Covers fundamental ecological principles of soft-sediment systems through to the impacts associated with human activities. Includes practical exercises in experimental field ecology which will introduce students to key research methods. No formal prerequisite but knowledge of Stage III marine ecology or science will be assumed.

Restriction: ENVSCI 702

MARINE 780 60 Points**MARINE 780A** 30 Points**MARINE 780B** 30 Points**Dissertation - Level 9**

To complete this course students must enrol in MARINE 780 A and B, or MARINE 780

MARINE 790 30 Points**MARINE 790A** 15 Points**MARINE 790B** 15 Points**Research Project - Level 9**

To complete this course students must enrol in MARINE 790 A and B, or MARINE 790

MARINE 792 60 Points**MARINE 792A** 30 Points**MARINE 792B** 30 Points**Dissertation - Level 9**

To complete this course students must enrol in MARINE 792 A and B, or MARINE 792

MARINE 794A	45 Points
MARINE 794B	45 Points
Thesis in Marine Studies - Level 9	
<i>Restriction: MARINE 796</i>	
<i>To complete this course students must enrol in MARINE 794 A and B</i>	
MARINE 795A	45 Points
MARINE 795B	45 Points
Thesis in Marine Conservation - Level 9	
<i>To complete this course students must enrol in MARINE 795 A and B</i>	
MARINE 796A	60 Points
MARINE 796B	60 Points
MSc Thesis in Marine Science - Level 9	
<i>To complete this course students must enrol in MARINE 796 A and B</i>	

Mathematics

Stage I

MATHS 102	15 Points
Functioning in Mathematics	

An introduction to calculus that builds mathematical skills and develops conceptual thinking. MATHS 102 works as a refresher course for those who haven't studied Mathematics for some time, a confidence builder for those lacking Mathematical confidence and a preparation course for further study in Mathematics.

Restriction: MATHS 102 may not be taken concurrently with any other Mathematics course, except MATHS 190 and may not be taken after ENGSCI 111 or any Mathematics course at Stage I or above, except MATHS 190/190G

MATHS 108	15 Points
General Mathematics 1	

A general entry to Mathematics for commerce and the social sciences, following Year 13 Mathematics. Covers selected topics in algebra and calculus and their applications, including: linear functions, linear equations and matrices; functions, equations and inequalities; limits and continuity; differential calculus of one and two variables; integral calculus of one variable.

Prerequisite: MATHS 102 or 110 or at least 13 credits in Mathematics at NCEA Level 3 including the Differentiation Standard 91578, or D in CIE A2 Mathematics or C in CIE AS Mathematics or 3 out of 7 in IB Mathematics: Analysis and Approaches (SL or HL)

Restriction: ENGGEN 150, ENGSCI 111, MATHS 120, 130, 208, 250

MATHS 110	15 Points
Mathematics for Natural Sciences	

A general entry to Mathematics for the natural sciences, following Year 13 Mathematics. Covers selected topics in algebra and calculus and their application to chemistry, biology and other natural sciences.

Prerequisite: MATHS 102 or 108 or at least 13 credits in Mathematics at NCEA Level 3, or D or better in Cambridge A2 Mathematics, C or better in AS Mathematics, pass in IB Mathematics: Analysis and Approaches (SL or HL)

Restriction: ENGGEN 150, ENGSCI 111, MATHS 208, 250. More than 15 points from MATHS 120 and 130

MATHS 120	15 Points
Algebra	

A foundation for further mathematics courses, essential for students intending to major in Mathematics, Applied Mathematics, Statistics, Physics, or who want a strong

mathematical component to their degree. Develops skills and knowledge in linear algebra, together with an introduction to mathematical language and reasoning, including complex numbers, induction and combinatorics. Recommended preparation: Merit or excellence in the Differentiation Standard 91578 at NCEA Level 3.

Prerequisite: MATHS 208, or B- or higher in MATHS 108, or A- or higher in MATHS 110, or A+ in MATHS 102, or at least 18 credits in Mathematics at NCEA Level 3 including at least 9 credits at merit or excellence, or B in CIE A2 Mathematics, or 5 out of 7 in IB Mathematics: Analysis and Approaches (SL or HL)

MATHS 130	15 Points
Calculus	

A foundation for further mathematics courses, essential for students intending to major in Mathematics, Applied Mathematics, Statistics, Physics, or who want a strong mathematical component to their degree. Develops skills and knowledge in calculus of functions of a single variable. Recommended preparation: Merit or excellence in the Differentiation Standard 91578 at NCEA Level 3.

Prerequisite: MATHS 208, or B- or higher in MATHS 108, or A- or higher in MATHS 110, or A+ in MATHS 102, or at least 18 credits in Mathematics at NCEA Level 3 including at least 9 credits at merit or excellence, or B in CIE A2 Mathematics, or 5 out of 7 in IB Mathematics: Analysis and Approaches (SL or HL)

MATHS 162	15 Points
Computational Mathematics	

An introduction to computational mathematics and programming in MATLAB. The course will introduce some basic concepts in computational mathematics and give applications that include cryptography, difference equations, stochastic modelling, graph theory and Markov chains.

Corequisite: ENGGEN 150 or ENGSCI 111 or MATHS 108 or 120
Restriction: MATHS 199

MATHS 190	15 Points
Great Ideas Shaping our World	

Mathematics contains many powerful and beautiful ideas that have shaped the way we understand our world. This course explores some of the grand successes of mathematical thinking. No formal mathematics background is required, just curiosity about topics such as infinity, paradoxes, cryptography, knots and fractals.

Restriction: MATHS 190 may not be taken after any Mathematics course at Stage III

MATHS 199	15 Points
Advancing in Mathematics	

An introduction to University level mathematics, for high-achieving students currently at high school. The numerical computing environment MATLAB is used to study beautiful mathematics from algebra, analysis, applied mathematics and combinatorics. Students will learn to write mathematical proofs and create mathematical models to find solutions to real-world problems.

Prerequisite: Departmental approval

Stage II

MATHS 200	15 Points
Special Topic	

MATHS 208	15 Points
General Mathematics 2	

This sequel to MATHS 108 features applications from

the theory of multi-variable calculus, linear algebra and differential equations to real-life problems in statistics, economics, finance, computer science, and operations research.

Prerequisite: 15 points from MATHS 108, ENGSCI 111, ENGGEN 150, or MATHS 120 and MATHS 130, or a B- or higher in MATHS 110

Restriction: Cannot be taken, concurrently with, or after MATHS 250, 253

MATHS 250 15 Points

Algebra and Calculus 2

Designed for all students who plan to progress further in mathematics, this course follows directly from MATHS 120 and 130. Covering topics from multivariable calculus and linear algebra, which have many applications in science, engineering and commerce. Students will learn mathematical results and procedures as well as the underpinning ideas and mathematical proofs.

Prerequisite: MATHS 120 and 130, or ENGGEN 150, or ENGSCI 111, or MATHS 120 or 130 or 208 with an A or above, and PHYSICS 120 or 121

MATHS 253 15 Points

Algebra and Calculus 3

A sequel to MATHS 250, further developing and bringing together linear algebra and calculus. Students will learn about quadratic forms, projections, spectral decomposition, methods of multicriteria optimisation, double, triple and line integrals, Green's theorem and applications.

Prerequisite: MATHS 250

MATHS 254 15 Points

Fundamental Concepts of Mathematics

Explores fundamentals of mathematics important to many branches of the subject and its applications. Topics include equivalence relations, elementary number theory, counting techniques, elementary probability, geometry, symmetry and metric spaces. This is an essential course for all students advancing beyond Stage II in pure mathematics, and highly suitable for other students in the mathematical sciences.

Corequisite: MATHS 250

MATHS 260 15 Points

Differential Equations

The study of differential equations is central to mathematical modelling of systems that change. This course develops methods for understanding the behaviour of solutions to ordinary differential equations. Qualitative and elementary numerical methods for obtaining information about solutions are discussed, as well as some analytical techniques for finding exact solutions in certain cases. Some applications of differential equations to scientific modelling are discussed. A core course for Applied Mathematics.

Prerequisite: MATHS 208 or 250 or ENGSCI 211 or a concurrent enrolment in MATHS 250

MATHS 270 15 Points

Numerical Computation

Many mathematical models occurring in Science and Engineering cannot be solved exactly using algebra and calculus. Students are introduced to computer-based methods that can be used to find approximate solutions to these problems. The methods covered in the course are powerful yet simple to use. This is a core course for students who wish to advance in Applied Mathematics.

Prerequisite: MATHS 120 and 130, or 15 points from ENGGEN

150, ENGSCI 111, MATHS 108, 110 and 15 points from COMPSCI 101, 105, 130, INFOSYS 110, 120, MATHS 162, 199

Stage III

MATHS 302 15 Points

Perspectives in Mathematics Education

For people interested in thinking about the social, cultural, political, economic, historical, technological and theoretical ideas that influence mathematics education, who want to understand the forces that shaped their own mathematics education, or who are interested in teaching. Students will develop their ability to communicate ideas in essay form. Recommended preparation: At least 45 points from courses in Mathematics or Statistics.

MATHS 307 15 Points

Special Topic

MATHS 308 15 Points

Special Topic

MATHS 315 15 Points

Mathematical Logic

Logic addresses the foundations of mathematical reasoning. It models the process of mathematical proof by providing a setting and the rules of deduction. This course builds a basic understanding of first order predicate logic, introduces model theory and demonstrates how models of a first order system relate to mathematical structures. Recommended for high level computer science or mathematical logic.

Prerequisite: B+ or higher in COMPSCI 225 or MATHS 254 or PHIL 222

MATHS 320 15 Points

Algebraic Structures

This is a framework for a unified treatment of many different mathematical structures. It concentrates on the fundamental notions of groups, rings and fields. The abstract descriptions are accompanied by numerous concrete examples. Applications abound: symmetries, geometry, coding theory, cryptography and many more. This course is recommended for those planning graduate study in pure mathematics.

Prerequisite: MATHS 250, 254

MATHS 326 15 Points

Combinatorics

Combinatorics is a branch of mathematics that studies collections of objects that satisfy specified criteria. An important part of combinatorics is graph theory, which is now connected to other disciplines including bioinformatics, electrical engineering, molecular chemistry and social science. The use of combinatorics in solving counting and construction problems is covered using topics that include algorithmic graph theory, codes and incidence structures, and combinatorial complexity.

Prerequisite: MATHS 254, or 250 and a B+ or higher in COMPSCI 225

MATHS 328 15 Points

Algebra and Applications

The goal of this course is to show the power of algebra and number theory in the real world. It concentrates on concrete objects like polynomial rings, finite fields, groups of points on elliptic curves, studies their elementary properties and shows their exceptional applicability to various problems in information technology including cryptography, secret

sharing, and reliable transmission of information through an unreliable channel.

Prerequisite: MATHS 250 and 254, or a B+ or higher in COMPSCI 225 and 15 points from MATHS 250, 253

MATHS 332 15 Points
Real Analysis

A standard course for every student intending to advance in pure mathematics. It develops the foundational mathematics underlying calculus, it introduces a rigorous approach to continuous mathematics and fosters an understanding of the special thinking and arguments involved in this area. The main focus is analysis in one real variable with the topics including real fields, limits and continuity, Riemann integration and power series.

Prerequisite: MATHS 250, 254

MATHS 333 15 Points
Analysis in Higher Dimensions

By selecting the important properties of distance many different mathematical contexts are studied simultaneously in the framework of metric and normed spaces. This course examines carefully the ways in which the derivative generalises to higher dimensional situations. These concepts lead to precise studies of continuity, fixed points and the solution of differential equations. A recommended course for all students planning to advance in pure mathematics.

Prerequisite: MATHS 332 or a B or higher in MATHS 254

MATHS 334 15 Points
Algebraic Geometry

Algebraic geometry is a branch of mathematics studying zeros of polynomials. The fundamental objects in algebraic geometry are algebraic varieties i.e., solution sets of systems of polynomial equations.

Prerequisite: MATHS 332, and at least one of MATHS 320, 328 and Departmental approval
Restriction: MATHS 734

MATHS 340 15 Points
Real and Complex Calculus

Calculus plays a fundamental role in mathematics, answering deep theoretical problems and allowing us to solve very practical problems. This course extends the ideas of calculus to two and higher dimensions, showing how to calculate integrals and derivatives in higher dimensions and exploring special relationships between integrals of different dimensions. It also extends calculus to complex variables. Recommended preparation: MATHS 253

Prerequisite: MATHS 250

MATHS 341 15 Points
Complex Analysis

Explores functions of one complex variable, including Cauchy's integral formula, the index formula, Laurent series and the residue theorem. Many applications are given including a three-line proof of the fundamental theorem of algebra. Complex analysis is used extensively in engineering, physics and mathematics. Strongly recommended: MATHS 333

Prerequisite: MATHS 332 and Departmental approval

Restriction: MATHS 740

MATHS 350 15 Points
Topology

Aspects of point-set, set-theoretic and algebraic topology including: properties and construction of topological spaces, continuous functions, axioms of separation, countability, connectivity and compactness, metrisation,

covering spaces, the fundamental group and homology theory. Recommended preparation: MATHS 333.

Prerequisite: MATHS 332 and Departmental approval

Restriction: MATHS 750

MATHS 361 15 Points
Partial Differential Equations

Partial differential equations (PDEs) are used to model many important applications of phenomena in the real world such as electric fields, diffusion and wave propagation. Covers linear PDEs, analytical methods for their solution and weak solutions. Recommended preparation: MATHS 253

Prerequisite: MATHS 250, 260

MATHS 362 15 Points
Methods in Applied Mathematics

Covers a selection of techniques to analyse differential equations including the method of characteristics and asymptotic analysis. These methods are fundamental in the analysis of traffic flows, shocks and fluid flows. Introduces foundational concepts to quantify uncertainty in parameters of differential equations and is recommended for students intending to advance in Applied Mathematics. Recommended preparation: MATHS 253, 361

Prerequisite: MATHS 250, 260

MATHS 363 15 Points
Advanced Computational Mathematics

Finite element methods, calculus of variations and control theory are key mathematical tools used to model, compute approximations to model solutions and to understand the control of real-world phenomena. These topics share the same mathematical foundations and can all be described as variational methods. The course offers advanced techniques to handle complicated geometries and optimise desired objectives in applications modelled using differential equations. Recommended preparation: MATHS 253

Prerequisite: MATHS 260 and 270

MATHS 381 15 Points
Directed Study

MATHS 382 15 Points

MATHS 382A 7.5 Points

MATHS 382B 7.5 Points

Directed Study

To complete this course students must enrol in MATHS 382 A and B, or MATHS 382

MATHS 383 15 Points
Special Topic

MATHS 384 15 Points
Special Topic

MATHS 386 15 Points

MATHS 386A 7.5 Points

MATHS 386B 7.5 Points

Directed Study

Directed study on a topic or topics approved by the Academic Head or nominee.

To complete this course students must enrol in MATHS 386 A and B, or MATHS 386

MATHS 387 15 Points
Directed Study

MATHS 388 15 Points
Special Topic

MATHS 389 Special Topic	15 Points	MATHS 708 Special Topic <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points
MATHS 399 Capstone: Mathematics An exploration of the role of mathematics in society and culture, and the activities performed by mathematicians as teachers, critics, and innovators. Students will develop their skills in communication, critical thinking, teaching, and creative problem solving. <i>Prerequisite: MATHS 250 and 30 points at Stage III in Mathematics</i>	15 Points	MATHS 709 Special Topic <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points
Postgraduate 700 Level Courses			
MATHS 701 Introduction to Research in Mathematics Education What is Mathematics Education research, and how can it inform practice? This course introduces a range of skills and methods for conducting and critically consuming research in mathematics education. Students will explore issues and techniques in Mathematics Education research as they design their own research studies to inform their teaching and learning practice. <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points	MATHS 710 Directed Study in Mathematics Education <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points
MATHS 702 Mathematical Processes in the Curriculum Historically, mathematics curricula have emphasised the what of mathematics (content), at the expense of considering the how. This course uses hands-on experiences and research literature to explore how to teach, learn and do mathematics through processes such as communication, modelling, problem solving, and proving.	15 Points	MATHS 711 MATHS 711A MATHS 711B Directed Study in Mathematics Education <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i> <i>To complete this course students must enrol in MATHS 711 A and B, or MATHS 711</i>	30 Points 15 Points 15 Points
MATHS 703 What Can Be More Practical Than a Good Theory? An analysis of theoretical perspectives that inform research in mathematics education, with a focus on learning theories, both social and psychological, and their implications for teaching and learning in mathematics. <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points	MATHS 712 Teaching and Learning in Algebra Recent theoretical perspectives on the teaching and learning of school and university mathematics are linked to the learning of either calculus or algebra. The focus is on the mathematics content, applications, and effective learning at school and university. Students taking this course should normally have studied mathematics or statistics at 200 level. <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points
MATHS 705 Contemporary Issues in Mathematics Education This course explores contemporary topics in mathematics education research and their impact on teaching and learning. Students will investigate and critically examine research and scholarly literature, and consider the implications of current knowledge for their own practice. <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points	MATHS 713 Logic and Set Theory A study of the foundations of pure mathematics, formalising the notions of a 'mathematical proof' and 'mathematical structure' through predicate calculus and model theory. It includes a study of axiomatic set theory. <i>Prerequisite: MATHS 315 or PHIL 305</i>	15 Points
MATHS 706 Technology and Mathematics Education Practical and theoretical perspectives on ways that technology can enhance teaching and learning of mathematics. Students will consider and critically examine affordances, constraints and obstacles in the use of technology. <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points	MATHS 714 Number Theory A broad introduction to various aspects of elementary, algebraic and computational number theory and its applications, including primality testing and cryptography. <i>Prerequisite: B+ in MATHS 328 or 320</i>	15 Points
MATHS 707 Special Topic <i>Prerequisite: MATHS 302 or significant teaching experience or department approval</i>	15 Points	MATHS 715 Graph Theory and Combinatorics A study of combinatorial graphs (networks), designs and codes, illustrating their application and importance in other branches of mathematics and computer science. <i>Prerequisite: 15 points from MATHS 320, 326, 328 with a B or higher</i>	15 Points
		MATHS 720 Group Theory A study of groups focusing on basic structural properties, presentations, automorphisms and actions on sets, illustrating their fundamental role in the study of symmetry (for example in crystal structures in chemistry and physics), topological spaces, and manifolds. <i>Prerequisite: MATHS 320</i>	15 Points
		MATHS 721 Representations and Structure of Algebras and Groups Representation theory studies properties of abstract groups and algebras by representing their elements as	15 Points

linear transformations of vector spaces or matrices, thus reducing many problems about the structures to linear algebra, a well-understood theory.

Prerequisite: MATHS 320

MATHS 725

15 Points

Lie Groups and Lie Algebras

Symmetries and invariants play a fundamental role in mathematics. Especially important in their study are the Lie groups and the related structures called Lie algebras. These structures have played a pivotal role in many areas, from the theory of differential equations to the classification of elementary particles. Strongly recommended for students advancing in theoretical physics and pure mathematics. Recommended preparation: MATHS 333.

Prerequisite: MATHS 320 and 332

MATHS 730

15 Points

Measure Theory and Integration

Presents the modern elegant theory of integration as developed by Riemann and Lebesgue. This course includes powerful theorems for the interchange of integrals and limits, allowing very general functions to be integrated, and illustrates how the subject is both an essential tool for analysis and a critical foundation for the theory of probability. Strongly recommended: MATHS 333

Prerequisite: MATHS 332

MATHS 731

15 Points

Functional Analysis

Provides the mathematical foundations behind some of the techniques used in applied mathematics and mathematical physics; it explores how many phenomena in physics can be described by the solution of a partial differential equation, for example the heat equation, the wave equation and Schrödinger's equation. Recommended preparation: MATHS 730 and 750.

Prerequisite: MATHS 332 and 333

MATHS 734

15 Points

Algebraic Geometry

Algebraic geometry is a branch of mathematics studying zeros of polynomials. The fundamental objects in algebraic geometry are algebraic varieties i.e., solution sets of systems of polynomial equations.

Prerequisite: MATHS 332 and at least one of MATHS 320, 328

Restriction: MATHS 334

MATHS 735

15 Points

Analysis on Manifolds and Differential Geometry

Studies surfaces and their generalisations, smooth manifolds, and the interaction between geometry, analysis and topology; it is a central tool in many areas of mathematics, physics and engineering. Topics include Stokes' theorem on manifolds and the celebrated Gauss Bonnet theorem. Strongly recommended: MATHS 333 and 340.

Prerequisite: MATHS 332

MATHS 740

15 Points

Complex Analysis

An introduction to functions of one complex variable, including Cauchy's integral formula, the index formula, Laurent series and the residue theorem. Many applications are given including a three line proof of the fundamental theorem of algebra. Complex analysis is used extensively in engineering, physics and mathematics. Strongly recommended: MATHS 333.

Prerequisite: MATHS 332

Restriction: MATHS 341

MATHS 750

15 Points

Topology

Aspects of point-set, set-theoretic and algebraic topology including: properties and construction of topological spaces, continuous functions, axioms of separation, countability, connectivity and compactness, metrization, covering spaces, the fundamental group and homology theory. Strongly recommended: MATHS 333.

Prerequisite: MATHS 332

Restriction: MATHS 350

MATHS 761

15 Points

Dynamical Systems

Mathematical models of systems that change are frequently written in the form of nonlinear differential equations, but it is usually not possible to write down explicit solutions to these equations. This course covers analytical and numerical techniques that are useful for determining the qualitative properties of solutions to nonlinear differential equations.

Prerequisite: B- in both MATHS 340 and 361

MATHS 763

15 Points

Advanced Partial Differential Equations

A study of advanced exact and numerical methods for both linear and non-linear partial differential equations.

Prerequisite: B- in both MATHS 340 and 361

MATHS 764

15 Points

Mathematical Biology

A course introducing central concepts in mathematical biology, with emphasis on modelling of physiological systems and gene dynamics.

Prerequisite: B- in both MATHS 340 and 361

MATHS 765

15 Points

Mathematical Modelling

Advanced topics in mathematical modelling, including selected topics in a range of application areas, principally taken from the physical and biological sciences.

Prerequisite: At least B- or better in both MATHS 340 and 361

MATHS 766

15 Points

Inverse Problems

Covers the mathematical and statistical theory and modelling of unstable problems that are commonly encountered in mathematics and applied sciences.

Prerequisite: At least B- in both MATHS 340 and 363, or PHYSICS 701

MATHS 767

15 Points

Inverse Problems and Stochastic Differential Equations

Covers stochastic differential equations and inverse problems, including: continuous time processes, random walks and Wiener processes, Itô calculus, and applications of SDEs, Hilbert spaces and linear operator theory, singular value decomposition and pseudoinverses, Tikhonov regularisation, nonlinear problems and iterative methods.

Prerequisite: B- or higher in MATHS 340 and 361

Restriction: MATHS 766, 769, 787

MATHS 769

15 Points

Stochastic Differential and Difference Equations

Differential and difference equations are often used as preliminary models for real world phenomena. The practically relevant models that can explain observations are, however, often the stochastic extensions of differential and difference equations. This course considers stochastic differential and difference equations and applications such

as estimation and forecasting. Recommended preparation: MATHS 363.

Prerequisite: B- in both MATHS 340 and 361

MATHS 770 15 Points

Advanced Numerical Analysis

Covers the use, implementation and analysis of efficient and reliable numerical algorithms for solving several classes of mathematical problems. The course assumes students have done an undergraduate course in numerical methods and can use Matlab or other high-level computational language.

Prerequisite: B- in MATHS 270, 340 and 361

MATHS 776 30 Points

MATHS 776A 15 Points

MATHS 776B 15 Points

Honours Research Project - Level 9

Restriction: MATHS 791

To complete this course students must enrol in MATHS 776 A and B, or MATHS 776

MATHS 777 15 Points

Project in Mathematics 1 - Level 9

A supervised investigation or research project including seminar presentation in pure or applied mathematics.

MATHS 779 60 Points

MATHS 779A 30 Points

MATHS 779B 30 Points

Dissertation in Mathematics Education - Level 9

To complete this course students must enrol in MATHS 779 A and B, or MATHS 779

MATHS 781 15 Points

Special Topic

MATHS 782 15 Points

Special Topic

MATHS 783 15 Points

Special Topic

MATHS 784 15 Points

Special Topic

MATHS 785 45 Points

MATHS 785A 15 Points

MATHS 785B 30 Points

Dissertation in Mathematics Education - Level 9

To complete this course students must enrol in MATHS 785 A and B, or MATHS 785

MATHS 786 15 Points

Special Topic

MATHS 787 15 Points

Special Topic

MATHS 788 15 Points

Special Topic

MATHS 789 15 Points

Special Topic

MATHS 793 15 Points

Project in Mathematics 2 - Level 9

An investigation into a topic from pure or applied mathematics, under the supervision of one or more staff members.

MATHS 794 30 Points

Project in Mathematics 3 - Level 9

An investigation into a topic from pure or applied

mathematics, under the supervision of one or more staff members.

MATHS 795A 60 Points

MATHS 795B 60 Points

MSc Thesis in Applied Mathematics - Level 9

To complete this course students must enrol in MATHS 795 A and B

MATHS 796A 60 Points

MATHS 796B 60 Points

Masters Thesis Mathematics - Level 9

To complete this course students must enrol in MATHS 796 A and B

MATHS 798A 45 Points

MATHS 798B 45 Points

Research Portfolio in Mathematics - Level 9

To complete this course students must enrol in MATHS 798 A and B

Physics

Stage I

PHYSICS 100 15 Points

PHYSICS 100G 15 Points

Models and Reality

Explore the role of models in physical science and what they contribute to our understanding of the world, and the concepts of reductionism and emergence. Topics include particle physics, materials science, and climate; and the use of models that explain dynamics of populations and artificial systems, including epidemiology, flocking in birds and fish, and the spread of information in social networks.

PHYSICS 102 15 Points

Basic Concepts of Physics

An introduction to the basic principles of physics. Key topics are the physical description of motion, electricity and magnetism. The course focuses on the science of everyday phenomena and the understanding of important physical concepts. This course will equip students with little prior knowledge of physics to succeed in PHYSICS 120 or 160.

Restriction: PHYSICS 103

PHYSICS 120 15 Points

Advancing Physics 1

For students progressing in physical science. Key topics are mechanics, energy, rotation, oscillations, waves and thermodynamics. This is a calculus based course, focusing on fundamental principles, problem solving and hands-on exercises.

Prerequisite: PHYSICS 102, or at least 4 credits in the Mechanics (91524) or Waves (91523) standards in NCEA Level 3 Physics and at least 6 credits in the Differentiation (91578) or Integration (91579) standards in NCEA Level 3 Calculus, or equivalent with departmental approval

Restriction: PHYSICS 160

PHYSICS 121 15 Points

Advancing Physics 2

For students progressing in physical science. Key topics are electrostatics, electromagnetism, circuits, optics, relativity and quantum mechanics. This is a calculus based course, focusing on fundamental principles, problem solving and hands-on exercises.

Prerequisite: PHYSICS 120, or 24 credits in the Mechanics (91524), Electricity (91526), Differentiation (91578),

Integration (91579) standards in NCEA Level 3 at merit or excellence, or equivalent with departmental approval
Restriction: PHYSICS 150

PHYSICS 140 **15 Points**
Digital Fundamentals

An introduction to the physical basis of modern computing for Computer Science students and anyone with an interest in modern Information Technology. Key topics are Boolean Algebra, logic circuits, and digital information processing. Hands-on laboratory work is a key component of the course. No prior electronics or programming knowledge is assumed.

Restriction: PHYSICS 219, 243

PHYSICS 160 **15 Points**
Physics for the Life Sciences

Designed for students intending to advance in the biomedical and life sciences, this course is focused on physical principles relevant to biological systems. Key topics are motion, waves, thermal physics, electricity and instrumentation. The course is primarily algebra-based and includes lectures, laboratories and tutorials. Recommended preparation is NCEA Level 2 Physics and Mathematics, or equivalent.

Restriction: PHYSICS 120

Stage II

PHYSICS 201 **15 Points**
Classical and Thermal Physics

Classical mechanics and thermal physics. Key topics are linear and rotational motion in three dimensions, fluids, oscillations and mechanical waves, and the laws of thermodynamics. The course will cover both fundamental principles and applied topics, such as planetary dynamics and spacecraft navigation, ultrasound, atmospheric physics and materials science.

Prerequisite: 15 points from PHYSICS 120, 121, 150, 160 and 15 points from ENGSCI 211, MATHS 130, 208, PHYSICS 211

Restriction: PHYSICS 230, 231

PHYSICS 202 **15 Points**
Electromagnetism

Key topics are electric and magnetic fields, the generation of magnetic fields by currents, the derivation of Maxwell's equations, the interpretation of light as an electromagnetic wave and polarisation. Both fundamental principles and applied topics, including fibre optics, LEDs, physical optics and interferometers are covered.

Prerequisite: 15 points from PHYSICS 121, 150 and 15 points from ENGSCI 211, MATHS 130, 208, PHYSICS 211

Restriction: PHYSICS 260, 261

PHYSICS 203 **15 Points**
Relativity and Quantum Physics

Special relativity, quantum mechanics and nuclear physics. Key topics are the Lorentz transformation, mass-energy equivalence, the Schrödinger equation in one dimension, the hydrogen atom, atomic and molecular bonds, isotopes and radioactivity. Both fundamental principles and applied topics, including isotope production, nuclear medicine, and dosimetry are covered.

Prerequisite: 15 points from PHYSICS 121, 150 and 15 points from ENGSCI 211, MATHS 130, 208, PHYSICS 211

Restriction: PHYSICS 250, 251

PHYSICS 244 **15 Points**
Electronics and Imaging

Provides students with skills in electronics and imaging technologies that will support future work in technology-

focused careers, experimental science, medical physics, and photonics. Key topics include networks, resonance, amplifiers, semiconductors, Fourier analysis, imaging systems, MRI systems and biomedical imaging.

Prerequisite: 15 points from PHYSICS 120, 121, 140, 160 and 15 points from COMPSCI 120, ENGGEN 150, ENGSCI 111, MATHS 108, 110, 120, 130, 150

Restriction: PHYSICS 240

Stage III

PHYSICS 309 **15 Points**
Special Study

Directed study on a topic or topics approved by the Academic Head or nominee.

Prerequisite: 45 points from PHYSICS 201-203, 244

PHYSICS 331 **15 Points**
Classical Mechanics and Electrodynamics

Advanced topics in classical mechanics and electromagnetism, including variational and least action principles in mechanics, the physical basis of magnetism, and the four-vector treatment of special relativity and electromagnetism.

Prerequisite: 15 points from PHYSICS 201, 231, 15 points from PHYSICS 202, 261 and 15 points from PHYSICS 211, MATHS 253, 260, ENGSCI 211

Restriction: PHYSICS 315, 325

PHYSICS 332 **15 Points**
Fluid Mechanics

Surveys fluid mechanics using the Navier-Stokes equations, covering Newtonian and simple non-Newtonian fluids, and examples from soft condensed matter. Different flow regimes will be studied, from small-scale laminar flows to large-scale turbulent and potential flows, and flows in rotating frames of reference. Applications range from microfluidics to geophysical fluids. Numerical approaches and computational tools will be introduced.

Prerequisite: 15 points from PHYSICS 201, 231 and 15 points from PHYSICS 211, MATHS 253, 260, ENGSCI 211

PHYSICS 333 **15 Points**
Lasers and Electromagnetic Waves

Surveys the basic principles of lasers and explains how the behaviour and propagation of light can be understood in terms of electromagnetic waves described by Maxwell's equations. The theory and applications of several key optical components will be described, including lasers and resonators.

Prerequisite: 15 points from PHYSICS 202, 261 and 15 points from PHYSICS 211, MATHS 253, 260, ENGSCI 211

Restriction: PHYSICS 326

PHYSICS 334 **15 Points**
Statistical Physics and Condensed Matter

Covers statistical physics and condensed matter physics, and describes how macroscopic properties of physical systems arise from microscopic dynamics. Topics in statistical physics include temperature, the partition function and connections with classical thermodynamics. Topics in condensed matter physics include crystal structures, phonons, electronic band theory, and semiconductors.

Prerequisite: 15 points from PHYSICS 201, 231, 15 points from PHYSICS 203, 251 and 15 points from PHYSICS 211, MATHS 253, 260, ENGSCI 211

Restriction: PHYSICS 315, 354

PHYSICS 335 15 Points**Quantum Mechanics**

Develops non-relativistic quantum mechanics with applications to the physics of atoms and molecules and to quantum information theory. Topics include the Stern-Gerlach effect, spin-orbit coupling, Bell's inequalities, interactions of atoms with light, and the interactions of identical particles.

Prerequisite: 15 points from PHYSICS 203, 251 and 15 points from PHYSICS 211, MATHS 253, 260, ENGSCI 211

Restriction: PHYSICS 350

PHYSICS 340 15 Points**Electronics and Signal Processing**

Electronics and digital signal processing with a strong emphasis on practical circuit design and data acquisition techniques. Topics will be selected from: linear circuit theory, analytical and numeric network analysis, feedback and oscillation, operational amplifier circuits, Fourier theory, sampling theory, digital filter design, and the fast Fourier transform.

Prerequisite: PHYSICS 240 or 244

Restriction: PHYSICS 341

Concurrent enrolment in PHYSICS 390 is recommended

PHYSICS 356 15 Points**Particle Physics and Astrophysics**

Particle physics topics covered will include relativistic dynamics and application to fundamental particle interactions, the properties of strong, weak and electromagnetic interactions and the particle zoo. Astrophysics topics will include some of the following: the Big Bang, "concordance cosmology", redshifts, theories of dark matter, extra-solar planets, stellar evolution, supernovae, gravitational wave sources, nuclear astrophysics and the origin of the elements.

Prerequisite: 15 points from PHYSICS 201, 231, 15 points from PHYSICS 203, 251 and 15 points from PHYSICS 211, MATHS 253, 260, ENGSCI 211

Restriction: PHYSICS 355

Concurrent enrolment in PHYSICS 390 is recommended

PHYSICS 371 15 Points**Special Topic****PHYSICS 390 15 Points****Experimental Physics**

Covers advanced experimental techniques, giving students choices between a wide range of classic physics experiments and open-ended investigations of physical phenomena.

Prerequisite: 15 points from PHYSICS 201, 202, 203, 231, 240, 244, 251, 261

PHYSICS 399 15 Points**Capstone: Physics**

Students will undertake experimental, observational, computational and numerical investigations of key physical phenomena, working individually and in groups, producing both written and oral reports.

Prerequisite: 30 points from PHYSICS 201-261 and 30 points from PHYSICS 309-356

Diploma Courses**PHYSICS 624 15 Points****Mechanics and Electrodynamics**

Advanced topics in classical mechanics and electromagnetism, including variational and least action principles in mechanics, the physical basis of magnetism, and the four-vector treatment of special relativity and

electromagnetism. Advanced Laboratory work is included in relevant topics.

Prerequisite: Departmental approval

Restriction: PHYSICS 331

PHYSICS 625 15 Points**Lasers and Electromagnetic Waves**

Surveys the basic principles of lasers and explains how the behaviour and propagation of light can be understood in terms of electromagnetic waves described by Maxwell's equations. The theory and applications of several key optical components will be described, including lasers and resonators. Advanced Laboratory work is included in relevant topics.

Prerequisite: Departmental approval

Restriction: PHYSICS 333

PHYSICS 626 15 Points**Quantum Physics**

Develops non-relativistic quantum mechanics with applications to the physics of atoms and molecules and to quantum information theory. Topics include the Stern-Gerlach effect, spin-orbit coupling, Bell's inequalities, interactions of atoms with light, and the interactions of identical particles. Advanced Laboratory work is included in relevant topics.

Prerequisite: Departmental approval

Restriction: PHYSICS 335

PHYSICS 681 15 Points**Directed Study**

Directed study on a research topic approved by the Academic Head or nominee.

PHYSICS 690A 15 Points**PHYSICS 690B 15 Points****Graduate Diploma Research Project**

To complete this course students must enrol in PHYSICS 690 A and B

PHYSICS 691 30 Points**PHYSICS 691A 15 Points****PHYSICS 691B 15 Points****Postgraduate Diploma Research Project - Level 9**

To complete this course students must enrol in PHYSICS 691 A and B, or PHYSICS 691

Postgraduate 700 Level Courses**PHYSICS 703 15 Points****Advanced Quantum Mechanics**

An advanced development of nonrelativistic quantum mechanics in the Dirac formulation is presented. Emphasis is placed on the simplicity and generality of the formal structure, lifting the reliance of introductory courses on wave mechanics.

PHYSICS 715 15 Points**Directed Study**

Enrolment requires approval of the Head of Department and the choice of subject will depend on staff availability or on the needs of particular students.

Prerequisite: Departmental approval

PHYSICS 741 15 Points**Advanced Classical Mechanics and Electrodynamics**

Develops and deepens students' knowledge and understanding of advanced topics in classical mechanics and electromagnetism, including variational and least action principles in mechanics, the physical basis of

magnetism; and the four-vector treatment of special relativity and electromagnetism.

Restriction: PHYSICS 331, 705

PHYSICS 742 15 Points

Advanced Statistical Mechanics and Condensed Matter

Advanced concepts in statistical mechanics and condensed matter. Topics to be covered include the theory of magnetism, mean field theory, the Ising model, superconductivity, phase transitions, complex systems, and networks.

Restriction: PHYSICS 708

PHYSICS 743 15 Points

Waves and Potentials

Presents the universal mathematical physics of waves and potential fields and discusses related applications. Topics include derivations and solutions for electromagnetic and elastic wave equations, propagation of waves in media, reflection and transmission of waves at interfaces, guided waves in geophysics and optics, and fundamentals of potential theory.

PHYSICS 746 15 Points

Relativistic Quantum Mechanics and Field Theory

Examines quantum field theory. Covers the relativistic generalisations of the Schrödinger equation and many-particle quantum mechanics, quantum electrodynamics is explored using Feynman diagram techniques. Extensions of scalar field theory to include path integrals, statistical field theory, broken symmetry, renormalisation and the renormalisation group.

Restriction: PHYSICS 706, 755

PHYSICS 748 15 Points

General Relativity

Discusses Einstein's General Theory of Relativity with application to astrophysical problems, drawn from black hole physics, gravitational waves, cosmology, astrophysical lensing and solar system and terrestrial tests of the theory. The course includes the mathematical background needed to describe curved spacetimes in arbitrary coordinate systems and the covariant description of fundamental physical relationships.

PHYSICS 751 15 Points

Special Topic

PHYSICS 752 15 Points

Photonics

Advanced topics in photonics including optical detection, semiconductor and modelocked lasers, the propagation of light in optical fibres, and the physics and applications of nonlinear optics.

Restriction: PHYSICS 726, 727

PHYSICS 753 15 Points

The Dynamic Universe

Covers topics in modern astronomy and astrophysics relating to the evolution and dynamics of key astrophysical systems. Topics will be drawn from: stellar structure and stellar evolution; the formation of planets and the evolution of planetary systems; stellar and galactic dynamics; the large scale dynamical behaviour of the expanding universe.

PHYSICS 754 15 Points

Condensed Matter Physics

Covers topics and methods that are important for current condensed matter research. Topics include ferroelectricity, soft condensed matter, experimental materials physics,

electronic structure theory, techniques for condensed matter simulation, and renormalisation group theory.

PHYSICS 757 15 Points

Quantum Optics and Quantum Information

The nonrelativistic quantum treatment of electromagnetic radiation (light) and its interaction with matter (atoms, quantum dots, superconducting qubits) is presented. Emphasis is placed on what is strictly quantum mechanical about light compared with a description in terms of Maxwell waves, and on the concepts and methods underlying modern advances in quantum measurement theory and quantum technologies, e.g., quantum communication/cryptography and quantum simulation/computation.

Restriction: PHYSICS 760

PHYSICS 780 15 Points

Advanced Imaging Technologies

Covers the physical basis and use of new imaging technologies and data processing in medicine, biomedicine and biotechnology. Makes use of practical examples from techniques such as computer assisted tomography, nonlinear microscopy, optical coherence tomography, fluorescence or microarray analysis. No formal prerequisite, but an understanding of material to at least a B grade standard in PHYSICS 244, 340, and 15 points from PHYSICS 211, MATHS 253, 260, ENGSCI 211 is recommended.

PHYSICS 786 45 Points

PHYSICS 786A 15 Points

PHYSICS 786B 30 Points

BAdvSci(Hons) Dissertation in Physics - Level 9

To complete this course students must enrol in PHYSICS 786 A and B, or PHYSICS 786

PHYSICS 787 45 Points

PHYSICS 787A 15 Points

PHYSICS 787B 30 Points

Dissertation - Level 9

To complete this course students must enrol in PHYSICS 787 A and B, or PHYSICS 787

PHYSICS 788 15 Points

Project in Physics

PHYSICS 789 30 Points

PHYSICS 789A 15 Points

PHYSICS 789B 15 Points

Honours Research Project - Level 9

To complete this course students must enrol in PHYSICS 789 A and B, or PHYSICS 789

PHYSICS 791 15 Points

Special Topic

PHYSICS 792 15 Points

Special Topic

PHYSICS 796A 60 Points

PHYSICS 796B 60 Points

MSc Thesis in Physics - Level 9

To complete this course students must enrol in PHYSICS 796 A and B

Psychology

Stage I

PSYCH 108 15 Points

Individual, Social and Applied Psychology

Topics covered may include: developmental and social

psychology including group behaviour, the measurement of mental abilities, intelligence, models of personality, clinical and health psychology, methods of therapeutic intervention, and the psychological similarities and differences between cultures. A laboratory component, in which students are required to participate as subjects, forms part of the course.

PSYCH 109 15 Points

PSYCH 109G 15 Points

Mind, Brain and Behaviour

Topics covered may include: the nature of sensory and perceptual processes, the cause of perceptual illusions, the structure and function of the human brain, approaches to animal and human learning, models of human language and memory, and the design of psychological experiments. A laboratory component, in which students are required to participate as subjects, forms part of the course.

Stage II

PSYCH 200 15 Points

Foundations of Developmental Psychology

How do children's minds develop, how do they work, and how do they influence children's behaviour? Students will learn the theoretical perspectives and methods that scientists use to investigate the developing mind in infancy through late childhood. Topics of particular focus include learning and memory, concepts and categories, language, the self and identity, social cognition, attachment, and emotion.

Prerequisite: 30 points at Stage I in Psychology

PSYCH 201 15 Points

Perception and Cognition

An introduction to a variety of topics in human experimental psychology. Topics covered may include: perceptual processes, attention, memory, mental imagery, language development, theory of mind, problem solving and decision making. Participation in the laboratory component of this course is compulsory.

Prerequisite: 30 points at Stage I in Psychology

PSYCH 202 15 Points

Biopsychology

Provides a basic introduction to the structure and function of the brain, neuropsychology, and genetic and hormonal influences on behaviour. This course includes a compulsory laboratory component.

Prerequisite: 30 points at Stage I in Psychology or 15 points from BIOSCI 101, 103

PSYCH 203 15 Points

Learning and Behaviour

A consideration of the environmental factors that control and modify animal (including human) behaviour. Generally, an experimental laboratory approach is taken, and quantitative theories are stressed. Topics include: classical and operant conditioning, theories of reinforcement, the stimulus control of operant behaviour, behavioural analyses of problem solving, concept learning and language, choice, self control, remembering and experimental design. This course includes a compulsory laboratory component.

Prerequisite: 30 points at Stage I in Psychology or 15 points from BIOSCI 101, 103

PSYCH 204 15 Points

Social Psychology

Focuses on humans as social beings. Covers topics such as social cognition, attitudes, group processes, interpersonal

relationships, and language communication. The course may include participation in and completion of a research project.

Prerequisite: 30 points at Stage I in Psychology

PSYCH 207 15 Points

Theories of Personality and Development

The major personality theories are presented including: Behavioural, Cognitive, Social-Cognitive, Psychodynamic, Humanistic/Phenomenological, Trait/Dispositional and Biological/Evolutionary. The hypotheses generated by these theories, about development from early childhood onwards and about 'normal' and 'abnormal' behaviour, will be discussed and evaluated in terms of empirical evidence and utility. Attention will be paid to cultural issues of relevance in a New Zealand context.

Prerequisite: 30 points at Stage I in Psychology

PSYCH 208 15 Points

Producing Psychological Knowledge

How do you address research questions in psychology? What is a research question anyway? Which methodology and analytical method will provide the answers you are looking for? Examines what we do and can know in psychology, and how we know it, including philosophy of science, quantitative and qualitative methodologies, statistics for psychological research, ethics, and research outcomes and communication.

Prerequisite: 30 points at Stage I in Psychology

Restriction: PSYCH 306

PSYCH 209 15 Points

Special Topic

PSYCH 211 30 Points

Psychology for Society

Examines what we do and can know in psychology, and why and how we know it, including philosophy of science, methodology, ethics, research outcomes, and particular methods. Embeds a focus on the cultural context of Aotearoa New Zealand within which psychological knowledge is applied. Introduces broad content in preparation for more advanced study.

PSYCH 212 15 Points

Special Topic

Prerequisite: 30 points at Stage I in Psychology

Stage III

PSYCH 300 15 Points

Applied Psychology

Discusses psychological issues relating to illnesses and well-being of people in the workplace. Consideration will be given both to the theoretical models which have been developed and to the types of methodology used in their investigation. Emphasis is given to the interplay between science and practice.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 302 15 Points

Special Topic

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 303 15 Points

Cognitive Science

Provides an introduction to cognitive science and cognitive neuroscience. Topics covered include: visual and auditory perception, attention, memory, thinking and problem-

solving. Participation in the laboratory component of this course is compulsory.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 304 15 Points
Special Topic

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 305 15 Points
Human Neuroscience

Covers material relating to the neural basis of cognitive processes, including perception, attention, memory and language. Students will be introduced to different methods of inferring mind-brain relations in normal and neurologically-impaired individuals, and different ways of conceptualising mind-brain relations, such as connectionism and modularism.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125, or MEDSCI 206 or PHYSIOL 220

PSYCH 306 15 Points
Research Methods in Psychology

Deals with principles and practices relevant to psychological research, including philosophy of science, research ethics, research design, measurement of dependent variables, describing and analysing data, and interpreting results. Participation in the laboratory component of this course is compulsory.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

Restriction: PSYCH 208

PSYCH 308 15 Points

PSYCH 308A 7.5 Points

PSYCH 308B 7.5 Points

Directed Study

A course of research supervised by a staff member and written up as a course for publication instead of a final examination.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

Corequisite: Student must be enrolled in (or have completed) an additional 45 points at Stage III in Psychology courses and Programme Director approval

To complete this course students must enrol in PSYCH 308 A and B, or PSYCH 308

PSYCH 309 15 Points
Learning

A discussion of how behaviour is controlled and modified by discriminative stimuli and by consequential reinforcers and punishers. The emphasis is on laboratory research with animals, but with some human data also considered. Topics include: choice behaviour, punishment, avoidance, psychophysics, memory, and cognition. This course includes a compulsory laboratory component.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125, or 45 points at Stage II in Biological Sciences

Restriction: PSYCH 362

PSYCH 310 15 Points
Introduction to Clinical Psychology

Describes and evaluates psychological approaches to the assessment and treatment of those mental health problems, in adults and children, most commonly encountered by clinical psychologists. Consideration is given to work in mental health, corrections, child protection and neuropsychology rehabilitation. Issues relevant to

Māori mental health, gender, cross-cultural work and prevention are included.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 311 15 Points
Advanced Topics in Social Psychology

Focuses on a number of key topics in social psychology. Modules examine interpersonal influence and close relationships, collective behaviour, prejudice and social issues, and social identity and well-being.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 313 15 Points
Psychology of Communication

Studies the links between psychological processes and communication difficulties. Hearing, speech, language and voice will be covered. A range of communication difficulties and communication differences will be introduced and the psychosocial aspects will be discussed, including impact on self-esteem, health-related quality of life, peer/interpersonal relationships and educational and behavioural consequences in children and adults.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 315 15 Points
Special Topic

PSYCH 317 15 Points
Evolution, Behaviour and Cognition

How does behaviour in non-human animals evolve? Do other animals have language? Do they have culture? Can human behaviour be explained in evolutionary terms? This course addresses these questions and the methods that can be used to answer them.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125, or 45 points at Stage II in Biological Sciences

PSYCH 319 15 Points
Psychology and Gender

The study of gender is crucial to understanding many everyday aspects of our lives, as well as many contemporary social issues. This course provides an introduction to selected key issues in the critical psychology of gender, from a social constructionist perspective. Topics that will be covered include gendered bodies, masculinity and femininity, sexuality, rape, and mental health.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125, or 30 points at Stage II in Gender Studies

PSYCH 320 15 Points
Culture and Psychology

It is through culture that we make sense of ourselves and our world. Of key interest is how culture, ethnicity and context all play a major role in understanding human experience including behaviour, thoughts, and emotions. Emphasis is placed on critical thinking and analytic skills, and helping students think about their own values and norms from a cultural perspective.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

PSYCH 323 30 Points
Changes across the Lifespan

Development is a lifelong process. Classic and modern theories of development provide a foundation for understanding changes and continuities across the lifespan. Students will learn how we develop key social,

emotional, and cognitive abilities across infancy, childhood, adolescence, and adulthood. Developmental psychology will then be applied to understand developmental challenges, atypical development, and the role of social context.

Prerequisite: PSYCH 211

PSYCH 324 30 Points

The Behaving Brain

Human brains are enormously complex, and they serve a wide range of human needs, from perception to language to social interactions. Brains are also subject to growth, learning, insult, and ageing. Introduces research and theory on neural and cognitive science, as well as opportunities to apply this knowledge.

Prerequisite: PSYCH 211

PSYCH 325 30 Points

Social Processes

Social processes heavily influence how we think, feel, and behave. Students will learn about how social cognition, social influence, attitudes, politics, and identity shape our lived experiences. Explores various topics, which may include prejudice and intergroup relationships, romantic relationships, workplace and organisational dynamics, gendered practices, indigenous psychologies, and the evolution of religion.

Prerequisite: PSYCH 211

PSYCH 326 15 Points

Life Span Development

The development of people across the life span is studied. Describes key milestones in development and examines the causes and processes that produce stability and change in people's development over time. Topics discussed will include aspects of cognitive, social and physical development with consideration given to biological, societal and family influences. Attention will also be given to development within the New Zealand context.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

Restriction: PSYCH 316

PSYCH 327 15 Points

Special Topic

PSYCH 328 15 Points

Special Topic

PSYCH 370 15 Points

PSYCH 370A 7.5 Points

PSYCH 370B 7.5 Points

Research Project

The main focus of the research project is to undertake practical research-related activities under the direction of a supervisor. The work undertaken will be communicated by the student in the form of a research report. The research activities across the year will give students a broader experience of research and academic activities in the School of Psychology.

Prerequisite: 45 points at Stage II in Psychology and 15 points from STATS 100-125

Corequisite: 45 points at Stage III or above in Psychology and Head of School approval

Restriction: PSYCH 308

To complete this course students must enrol in PSYCH 370 A and B, or PSYCH 370

PSYCH 399 15 Points

Capstone: Communicating Psychology

Focuses on communicating psychological ideas and

research using different media (e.g., podcast, short film, print media, symposia, grant proposals). Students will be required to work in groups, but to also engage in individual activities to demonstrate their own understanding of the topics explored by them and others in this course.

Prerequisite: 30 points at Stage III in Psychology and 15 points from STATS 100-125

Diploma Courses

PSYCH 651A 30 Points

PSYCH 651B 30 Points

Practicum

This includes a practical component of up to 1,500 hours of supervised work in an approved applied psychology setting, with an emphasis on the application of research principles and designs. Evaluation is by internal assessment and assessment by field supervisors.

Restriction: PSYCH 650

To complete this course students must enrol in PSYCH 651 A and B

PSYCH 690A 15 Points

PSYCH 690B 15 Points

Graduate Diploma Research Project

To complete this course students must enrol in PSYCH 690 A and B

PSYCH 691A 15 Points

PSYCH 691B 15 Points

Postgraduate Diploma Research Project

To complete this course students must enrol in PSYCH 691 A and B

Postgraduate 700 Level Courses

PSYCH 700 15 Points

Political Psychology

Provides an overview of the intersecting fields of psychology and political science. Seminar-based topics include personality and politics, political socialisation, voting behaviour, media effects, rational choice vs. symbolic politics, the competency of the electorate, the psychology of legitimacy, and other timely issues. Attention will be paid to the international literature, though New Zealand-based research will also be discussed.

PSYCH 707 15 Points

Psychology of Offending

Covers psychological theories of crime and violence, empirical research relevant to the assessment and treatment of youth and adult offending, with particular emphasis on violent and sexual offending, and the range of roles for psychologists in forensic and correctional settings such as prisons, community and forensic psychiatric hospitals.

PSYCH 708A 15 Points

PSYCH 708B 15 Points

Clinical Neuropsychology

Consists of: an introduction to neuroanatomy and neuropathology, seminars on the major areas of neuropsychological dysfunction, introduction to community-used test materials and theoretical issues of neuropsychological assessment, neuropsychological dysfunction, individual assessment and individual case studies.

To complete this course students must enrol in PSYCH 708 A and B

PSYCH 714 15 Points**Cognitive Neuroscience**

An advanced seminar on cognitive neuroscience. Topics may include: neuroanatomy, neuroimaging methodologies, neurological and developmental disorders, and the organisation of higher cognitive functions such as attention, language, memory and executive functions. Emphasis will be placed on current developments relevant to the understanding of human psychological processes.

PSYCH 715 15 Points**Psychology and Sustainability**

Human behaviour and thinking is central to both the sustainability problem and viable solutions. This course considers the psychological barriers to thinking and acting sustainably and how theories and research on emotions, modelling, identity, belonging, moral development and the evolution of cooperation can be applied to overcome these barriers. There will be particular emphasis on how to develop 'sustainability consciousness' in individuals and organisations.

PSYCH 716 15 Points**Social Psychology and Interpersonal Processes**

Key empirical and theoretical areas in contemporary social psychology form the basis of this seminar-based course. Topics will include social cognition, interpersonal influence, communication, and close personal relationships. Students will also conduct small research projects investigating central topics covered in the course.

PSYCH 717 15 Points**Community Psychology**

The application of psychological knowledge and research skills to issues faced by communities. Students will design an intervention relevant to a social issue. Theoretical approaches to working in community settings and the practical challenges involved will be discussed.

PSYCH 718 15 Points**Psychotherapeutic Assessment and Formulation**

Major theories used in clinical practice to understand psychological problems will be discussed, including behavioural, cognitive-behavioural, systems and psychodynamic models. Emphasis is on assessment and formulation of clients' problems rather than therapeutic intervention. Approaches covered are those that are most commonly employed by psychologists practicing in New Zealand.

Prerequisite: PSYCH 723

Restriction: PSYCH 709

PSYCH 720A 15 Points**PSYCH 720B 15 Points****Directed Study**

To complete this course students must enrol in PSYCH 720 A and B

PSYCH 721 15 Points**Consciousness and Cognition**

Discusses recent research on consciousness from the perspective of cognitive neuroscience. Topics covered may include: implicit learning, implicit memory, blindsight, the split-brain syndrome, amnesia and hemineglect.

PSYCH 722 15 Points**Human Learning and Development**

Focuses on the processes and factors that influence human learning in infancy through childhood. Topics discussed may include: early social cognition, language development and the factors that influence school and life success.

Consideration will be given to diverse contexts and populations.

PSYCH 723 15 Points**Mental Health Problems: Aetiology and Assessment**

Provides an overview of common mental health problems in childhood and adulthood and the methods that clinical psychologists use to assess these. Examines theories of causation and risk factors for a number of mental health problems. Also introduces and critiques diagnostic tools and psychometric instruments used in assessment.

Corequisite: PSYCH 718

PSYCH 725 15 Points**Evolution and Human Behaviour**

Investigates the psychology of humans from an evolutionary perspective. Specific topics may include the evolution of language, religion, mental time travel, social learning, and cognitive nudges, biases and heuristics.

PSYCH 726 15 Points**Emotion and Identity**

Explores current psychological theory and research on emotion, adding perspectives from sociology, history and cultural studies as well as neuroscience. Topics include the embodied nature of affect; emotion, relationships and social life; emotion and sense of self, subjectivity, narrative and personal history; emotional contagion in crowds and groups; and the power of social norms around public emotional expression.

PSYCH 727 15 Points**Functional MRI**

A comprehensive overview of functional magnetic resonance imaging (fMRI) with a focus on its use in the cognitive neuroscience of memory and aging. Designed for beginners, topics include experimental design, image acquisition and pre-processing, analysis methods, localisation/anatomy and interpretation. Classes will include a lecture and/or a seminar followed by a hands-on laboratory working with fMRI data to consolidate learning.

PSYCH 728 30 Points**PSYCH 728A 15 Points****PSYCH 728B 15 Points****Portfolio in ABA**

A series of written clinical assessment and intervention projects in applied behaviour analysis demonstrating appropriate use of the scientist-practitioner model. Projects will be conducted within each of the placements completed during the internship course PSYCH 651. The portfolio should provide evidence of appropriate mastery of basic behaviour-analytic skills, client-centred responsibilities, and foundational knowledge of applied behaviour analysis.

Prerequisite: PSYCH 750, 751, 754

Corequisite: PSYCH 651, 757

To complete this course students must enrol in PSYCH 728 A and B, or PSYCH 728

PSYCH 730 15 Points**Professional Psychology Practice in New Zealand**

Aims to equip students with knowledge and skills required for registration as a psychologist with the New Zealand Psychologists Board. Topics include the structure and functions of the Psychologists Board/Health and Disability Commissioner, cultural competency (obligations under the Treaty of Waitangi and cultural safe practice), professional ethics (Code of Ethics for Psychologists Working in Aotearoa/New Zealand) and related legislation.

PSYCH 731 Social Psychology and Intergroup Processes Focuses on the application of social psychological knowledge and theory to the understanding of broad social and cultural processes and phenomena, such as violence, prejudice, group behaviour and conflict, intergroup dynamics, collective behaviour, social beliefs, cultural differentiation and contact.	15 Points	PSYCH 746 Perception, Cognition, Action Seminar-based introduction to theories and models linking (human, animal and machine) perception, cognition and action, with emphasis on competing approaches to perceptual-motor control and learning, using evidence from classic and contemporary research in experimental psychology and cognitive neuroscience.	15 Points
PSYCH 733 Critical Health Psychology Utilising the frameworks of critical psychology, including gendered, Indigenous and intersectional frameworks, this course examines ways of theorising, understanding and promoting health for individuals, communities and societies.	15 Points	PSYCH 749 Applied Behaviour Analysis Ethics Investigates the similarities and differences between the NZPB and BACB codes and discusses how to reconcile the two in practical situations. Discusses the current legislation and frameworks that apply to clinicians working with vulnerable people, and the impact of culture when applying codes and working ethically. Different methods of ethical problem solving are covered.	15 Points
PSYCH 736 Human Brain Mapping Introduces human brain mapping based on structural magnetic resonance imaging (MRI). Topics include MRI data acquisition, processing and analysis, as well as interpretation of analysis outcomes and fundamentals of neuroanatomy.	15 Points	PSYCH 754 Developmental and Intellectual Disabilities Study of the behavioural aspects, aetiologies and therapeutic interventions for disorders usually diagnosed during childhood that are associated with reduced abilities to learn. Examples include intellectual disabilities and pervasive developmental disorders (e.g., autism). <i>Restriction: PSYCH 752</i>	15 Points
PSYCH 737 Work and Well-Being Reviews concepts, methods, applications and current research relevant to the impact of work on employee well-being, including topics such as the employee lifecycle, stress, well-being, positive psychology, emotion, bullying and work-life balance.	15 Points	PSYCH 755 Gender, Power, and Sexuality This seminar-based course will allow students to explore a broad range of topics such as: sexual coercion, prostitution, rape, pornography, safer sex, lesbian and gay sexuality, heterosexuality, bisexuality, sexology, sex therapy, intersex, transgender, sexuality and culture. The emphasis will be on looking at questions from the perspective of theoretical approaches such as Foucault's work on sexuality and feminist theories.	15 Points
PSYCH 741 ABA: Communicating Behaviourally Provides the opportunity to gain practical experience with a range of mediums for communicating behavioural concepts.	15 Points	PSYCH 756 Dynamics of Brain and Behaviour Examines the behavioural and neural changes that result from normal development, those that may arise in the context of neurological diseases and disorders, and the changes that can be elicited via interventions. Topics include the design and implementation of interventions to improve mental and physical health, methods to evaluate characteristics of change, and the precise mechanisms of neural and behavioural change. Recommended preparation: PSYCH 305	15 Points
PSYCH 742 Neuroscience of Awareness An advanced seminar on the neuroscience of awareness and related topics. The course will primarily consist of student-led discussion of original research, with particular emphasis on areas of active controversy or debate. In addition to the theoretical discussion of human awareness, there will be a strong focus on the methods and practice of research in human neuroscience.	15 Points	PSYCH 757 PSYCH 757A PSYCH 757B Advanced Applied Behaviour Analysis Advanced education and training in applied behaviour analysis (ABA) in preparation for a professional career. Topics include ethical, professional, and practical issues confronting behaviour analysts in employment; recent research in ABA and other sciences with respect to clinical, educational, and other populations with whom behaviour analysts typically work. <i>Prerequisite: PSYCH 750, 751</i> <i>Corequisite: PSYCH 651</i> <i>Restriction: PSYCH 753</i> <i>To complete this course students must enrol in PSYCH 757 A and B, or PSYCH 757</i>	15 Points 7.5 Points 7.5 Points
PSYCH 743 Critical Qualitative Research in Aotearoa Equips students with conceptual, theoretical, political and practical understandings of what it means to do critical, qualitative research in psychology in Aotearoa. Situates methods in relation to who researchers are, where we are, and how we collaborate, including obligations and opportunities provided by Te Tiriti o Waitangi, and Indigenous-led approaches.	15 Points		
PSYCH 744 Experimental Design and Quantitative Methods for Psychology Covers applications of the general linear model to research design and analysis. Topics include: univariate techniques (analysis of variance, analysis of covariance, regression) and multivariate techniques (multivariate analysis of variance, discriminant analysis, multivariate regression, and factor analysis). <i>Prerequisite: PSYCH 306</i>	15 Points		

PSYCH 758 15 Points**Ethnicity, Identity and Culture**

Students will draw upon Indigenous and cultural psychological frameworks to examine how psychological research is conducted with ethnic communities, and will examine the influences of culture, values and beliefs across selected topics (e.g. resiliency, language and masculinity).

PSYCH 759 15 Points**Advanced Behavioural Psychology**

Examination of selected topics in contemporary behavioural psychology. The specific topics covered depend partly on student interest, exploring research on the relation between behaviour and environment, considering both animal and human behaviour, and both lab-based research and translation of that research into understanding behaviour of significance to society.

PSYCH 761 15 Points**Organisational Psychology**

Focuses on attitudes and behaviours at work that reflect or impact on the relationship between employee and employer, with a particular emphasis on topics that are proposed to impact on employee well-being and productivity (e.g., job satisfaction, motivation, leadership). Students will be encouraged to adopt a scientist-practitioner perspective, through class discussions and assignments.

PSYCH 763 45 Points**PSYCH 763A 22.5 Points****PSYCH 763B 22.5 Points****Portfolio of Professional Practice Reports**

A portfolio of original reports associated with the student's practicum experience and demonstrating the ability to make appropriate use of the scientific literature in solving problems in professional practice, as required by the New Zealand Psychologists Board for the practice of psychology. *Corequisite: PSYCH 651*

To complete this course students must enrol in PSYCH 763 A and B, or PSYCH 763

PSYCH 764 15 Points**Dual Process Theories of Human Cognition**

Explores how dual-process theories in cognitive, social and developmental psychology account for human thought and action in terms of the interaction between automatic (implicit, parallel) and controlled (explicit, serial) processes. Topics of focus include memory, learning, numerical cognition, theory of mind, moral reasoning, attribution, executive functioning and decision making.

PSYCH 765 15 Points**Special Topic: Pacific Psychologies**

Explores how Pacific knowledges and worldviews shape and are shaped by Pacific communities to make meaning of and respond to a broad range of topics relevant to psychology.

PSYCH 766 15 Points**Occupational Health Psychology**

Students will focus on the in-depth treatment of this area, focusing primarily on occupational stress, including coverage of topics such as: work, life, and family, job insecurity, workplace incivility, abusive supervision, positive aspects of workplaces, as well as stress management interventions.

PSYCH 767 15 Points**Gender Violence**

What does it mean to say that violence is gendered? How does a gender analysis shape our understanding of the nature of problems like sexual violence, domestic violence,

street harassment and online abuse? And how does it guide our responses to the harm of violence and our strategies for prevention? This course will bring a critical feminist lens to understanding key questions, theories and debates in research on gender violence.

PSYCH 768 15 Points**Special Topic: Sex and Well-Being****PSYCH 769 15 Points****Special Topic: Developmental Psychology: A Critical Lens****PSYCH 770 15 Points****Behavioural Insights**

Explores how cognitive biases and errors cause us to behave in irrational ways and how nudging and debiasing can mitigate these effects. Introduces students to methods to run behavioural insight analyses in real-world settings.

PSYCH 771A 30 Points**PSYCH 771B 30 Points****Clinical Practice 1 and Professional Issues**

Consists of two parts: First, psychological assessment and therapy for diverse clinical populations, including adult, and child and family. Cognitive behaviour therapy and family therapy are central, but other models are included. Consideration of psychotherapy research and practical exercises are incorporated. Secondly, ethics, bicultural and cross-cultural practice, and other professional issues relevant to the practice of clinical psychology are covered. Evaluation is by internal assessment.

To complete this course students must enrol in PSYCH 771 A and B

PSYCH 772A 30 Points**PSYCH 772B 30 Points****Clinical Practice 2**

Advanced psychological assessment and therapy for diverse clinical populations, including adult, and child and family. Cognitive behaviour therapy, narrative therapy, psychodynamic therapy, and the trauma model are emphasised. Includes two, 200 hour placements, in either an adult setting or a child and family setting. Evaluation is by internal assessment, including assessment by field supervisors.

To complete this course students must enrol in PSYCH 772 A and B

PSYCH 773A 60 Points**PSYCH 773B 60 Points****Clinical Internship**

Includes a practical component of supervised clinical work of not less than 1500 hours in an approved health setting. Emphasis is placed on the application of research principles and designs in routing clinical practice. A university-based seminar series that covers topics relevant to advanced, intern-level practice is included. Evaluation is by internal assessment, and assessment by field supervisors.

To complete this course students must enrol in PSYCH 773 A and B

PSYCH 775 15 Points**Special Topic: Visual Perception in Brains and Machines**

Explores current debates on how to build and assess computational models of human visual perception. Students will learn how state-of-the-art artificial systems perform visual tasks, and gain hands-on experience interacting with these systems. Literature from the field of visual neuroscience will examine the ways in which these models may work similarly to, and differently from, human vision.

PSYCH 776 Special Topic	15 Points
PSYCH 777 Special Topic: Illusory Line Motion	15 Points
PSYCH 778 Topics in Sensation and Perception A range of topics in Sensation and Perception will be explored, including those of applied interest, experimental approaches, and methods. Examples include cross-modal effects on taste perception, misophonia and misokinesia, the five basic tastes, false memory for foods, threshold estimation, preference testing, the auditory sensory meridian response, and other contemporary topics.	15 Points
PSYCH 779A	7.5 Points
PSYCH 779B Research and Communication Skills - Level 9 Advanced skills associated with developing innovative research designs and communicating information about research designs, outcomes, and the implications of one's findings are essential to the research process. Students will undertake exercises designed to develop these advanced skills, including writing a research proposal, presenting a seminar on their research project, preparing and presenting a research poster, and additional seminar-based exercises directed at research skill development. <i>Corequisite: PSYCH 780</i> <i>Restriction: PSYCH 788, 789</i> <i>To complete this course students must enrol in PSYCH 779 A and B</i>	7.5 Points
PSYCH 780A	15 Points
PSYCH 780B Honours Research Project - Level 9 <i>Corequisite: PSYCH 779</i> <i>Restriction: PSYCH 788, 789</i> <i>To complete this course students must enrol in PSYCH 780 A and B</i>	15 Points
PSYCH 788A	22.5 Points
PSYCH 788B Honours Dissertation in Psychology - Level 9 <i>Restriction: PSYCH 789</i> <i>To complete this course students must enrol in PSYCH 788 A and B</i>	22.5 Points
PSYCH 790	45 Points
PSYCH 790A	15 Points
PSYCH 790B Dissertation in Organisational Psychology - Level 9 <i>To complete this course students must enrol in PSYCH 790 A and B, or PSYCH 790</i>	30 Points
PSYCH 793	60 Points
PSYCH 793A	30 Points
PSYCH 793B Dissertation - Level 9 <i>To complete this course students must enrol in PSYCH 793 A and B, or PSYCH 793</i>	30 Points
PSYCH 794A	30 Points
PSYCH 794B Thesis in Organisational Psychology - Level 9 <i>To complete this course students must enrol in PSYCH 794 A and B</i>	60 Points

PSYCH 796A	60 Points
PSYCH 796B Masters Thesis in Psychology - Level 9 <i>To complete this course students must enrol in PSYCH 796 A and B</i>	60 Points

Psychology

Postgraduate 700 Level Courses

PSYCHOL 700 Special Topic: Wairua, Wellbeing and Cultural Considerations	15 Points
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Wairua is multi-faceted and central to holistic wellbeing. This course privileges Mātauranga Māori in the exploration of wairua and wellbeing and will provide a strong foundation for working with Māori. Students engage with topics relevant to indigenous cultural considerations in psychological research and practice. Includes self-reflection and group work in a wānaga/noho marae setting.

PSYCHOL 701 Special Topic	15 Points
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PSYCHOL 702 The Science of Behaviour Analysis	30 Points
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A study of the science of behaviour analysis that helps students to understand and articulate the core principles of behaviour, the philosophy of behaviourism, and the interaction between experimental and applied research. The course introduces core approaches and concepts in behaviour analysis such as reinforcement, stimulus control, measurement, small-N design, and radical behaviourism. The underlying approach to understanding behaviour is constructional.

PSYCHOL 703 Clinical Behaviour Analysis	30 Points
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A study of the methods and tactics used to produce behaviour change in a range of real-world and clinical settings. Students will learn the relationship between interventions and assessments and the behavioural principles that underpin them.

PSYCHOL 793	60 Points
PSYCHOL 793A	15 Points
PSYCHOL 793B Dissertation in Organisational Psychology - Level 9 <i>To complete this course students must enrol in PSYCHOL 793 A and B, or PSYCHOL 793</i>	45 Points

Psychology

Named Doctoral Courses

PSYCH 800 Scientist-practitioner Model	120 Points
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Advanced research based psychological assessment and therapy skills for diverse ages, cultures and clinical settings, and for complex clinical issues. Cognitive, behavioural, systemic, and mātauranga Māori models are central. Development of leadership, integrity, cultural sensitivity and other professional competences to allow registration with the New Zealand Psychologists Board. Supervised practicum experience includes three 200-hour placements and a 1,500 hour internship.

PSYCH 801**30 Points****Scientist-practitioner Model 1**

Research based psychological assessment and therapy skills for diverse clinical populations, including adult, child and family. Cognitive-behaviour therapy and family therapy are central, but other models are included. Advanced clinical research design, ethics, bicultural and cross-cultural practice, supervision practice, and other professional issues relevant to the practice of clinical psychology are covered. Evaluation is by internal assessment. Includes one 200-hour placement in either an adult or a child and family setting. Evaluation is by internal assessment, including assessment by field supervisors.

PSYCH 802**30 Points****Scientist-practitioner Model 2**

Advanced psychological assessment and therapy skills for diverse clinical populations, including adult, and child and family. Cognitive-behaviour therapy, family therapy, narrative therapy, psychodynamic therapy, and the trauma model are emphasised. Includes two 200-hour placements, in either an adult setting or child and family setting. One of these may, depending on staff availability, be in a specialist setting. Options may include: clinical neuropsychology, forensic psychology, assessment and psychological treatment of psychoses, child and adolescent clinical psychology, drug and alcohol addiction, and others. Evaluation is by internal assessment, including assessment by field supervisors.

Prerequisite: PSYCH 801

PSYCH 803**60 Points****Internship**

This includes a practical component of supervised clinical work of not less than 1,500 hours in an approved setting. Emphasis is placed on the application of research principles and designs in routine psychological clinical practice. A university based seminar course that covers topics relevant to advanced, intern-level practice is included. Evaluation is by internal assessment, and assessment by field supervisors.

Prerequisite: PSYCH 801, 802

PSYCH 897**90 Points****Portfolio of Clinical Research**

Five original research projects demonstrating appropriate use of the scientist-practitioner model (single case design, programme evaluation or group research may be included). One project will be conducted within each of the three placements associated with the courses PSYCH 801 and 802, and two within the Internship, PSYCH 803. At least one project should be related to research with an adult population, and at least one with a child and family population. The Portfolio will be examined by two internal academic psychologists and assessed by the two external Thesis examiners.

Restriction: PSYCH 894, 895

PSYCH 899**150 Points****Thesis**

An original research dissertation completed over the three years of the degree (75 points in year 1, 60 points in year 2, and 15 points in year 3). The research may be basic or applied, but must be relevant to some area of clinical psychology and represent a significant contribution to knowledge in the field.

Restriction: PSYCH 896

Pūtaiao**Stage II****PŪTAIAO 200****15 Points****Mātauranga and Kaupapa Māori Science**

Mātauranga is central to the future practice of science in Aotearoa New Zealand. Explores foundational understandings of mātauranga Māori and Kaupapa Māori for scientists. Students will meaningfully and respectfully engage with te ao Māori through place-based relational learning and case studies grounded in whanaungatanga. Students will experience Māori ways of being, knowing, and doing.

Prerequisite: 60 points at Stage I

Regional Development**Postgraduate 700 Level Courses****REGDEV 701****15 Points****Regional Futures**

Examines the changing nature of the region as a spatial category of social and political economy. The course draws on place-based understandings of regional development to address how regions are being reassembled and what that means for the futures of people and place. Particular reference, in the New Zealand context, is made to the interconnections between regional and iwi developments.

Science Enterprise**Postgraduate 700 Level Courses****SCIENT 701****15 Points****Accounting and Finance for Scientists**

Builds upon scientific numeracy in exploring the sources, uses and reporting of accounting and financial information in science-based enterprises; application of capital budgeting and valuation theory to science-relevant situations; and key bases for financially-informed project and enterprise decision-making and the management of economic resources.

SCIENT 702**15 Points****Marketing for Scientific and Technical Personnel**

Examines the intermediaries and end-users of technical and research-related applications, products and services; their 'customers', 'value chain', 'marketing', and related concepts in both highly-regulated and open markets; and how effective science-related marketing strategies and promotional efforts are developed and communicated.

SCIENT 703**15 Points****Frontiers in Biotechnology - Level 9**

An examination of how breakthrough discoveries in contemporary life sciences develop through to commercialisation. Students will integrate their advanced biological skills with business knowledge to critically analyse the commercialisation of scientific discoveries and communicate their findings effectively to both scientists and industry stakeholders.

SCIENT 704**15 Points****Law and Intellectual Property**

An explanation of the legal system including basic concepts of contract and corporate law in a biotechnology context. Emphasis will be upon intellectual property laws in particular patent law and practice and other means of

protecting new ideas, discoveries and inventions. Also covered will be technology licensing and basic competition and marketing law.

SCIENT 705 15 Points

Research Commercialisation

Integrative exploration of common theories, processes and models involved in commercialising scientific research. Topics include technology transfer, technological entrepreneurship, commercial potential, risk, and valuation assessment and related tools. Utilises multiple learning approaches including case studies and a 'hands-on' term project.

Prerequisite: SCIENT 701, 702

SCIENT 706 15 Points

Commercialisation Project

A supervised practical application of the theories, concepts and techniques of commercialisation, covered in courses SCIENT 701-705, to a research-based opportunity and its related intellectual property estate.

Prerequisite: SCIENT 701, 702, 704

Corequisite: SCIENT 703, 705

SCIENT 707 15 Points

Special Topic

SCIENT 720 15 Points

Science Enterprise Research Methods

Students will become familiar with underlying theory and best practices in the principal qualitative and quantitative methods applicable to, and useful in, thesis research on commercialisation and science-based enterprise.

SCIENT 721 15 Points

Product Development and Regulatory Environments

Aims to give students an understanding of the stages of product development for therapeutics, diagnostics and medical devices, as well as the regulatory requirements affecting product development in the Life Sciences. Project management tools and processes will also be covered in the context of product development.

SCIENT 722 15 Points

Current Issues in Bioscience Enterprise

An exploration of trends and developments of importance to Life Sciences-related enterprises and industries. Utilises multiple learning approaches, e.g., independent reading, case studies, projects, guest speakers, presentations and related discussions.

SCIENT 794A 45 Points

SCIENT 794B 45 Points

Thesis - Level 9

Research project addressing a topic relevant to the commercialisation of research. Overseen jointly by both academic and industry supervisors.

To complete this course students must enrol in SCIENT 794 A and B

SCIENT 795A 30 Points

SCIENT 795B 60 Points

Thesis - Level 9

Research project addressing a topic relevant to the commercialisation of research. Overseen jointly by both academic and industry supervisors.

To complete this course students must enrol in SCIENT 795 A and B

Science General

Stage I

SCIGEN 101 15 Points

SCIGEN 101G 15 Points

Communicating in a Knowledge Society

Effective communication is required for specialists in all fields to engage meaningfully with society. In this course students gain an understanding of the important role communication plays in a knowledge society. Through case studies and practical experience students learn about the responsibilities and skills required to communicate with a variety of audiences. They learn how to effectively manage and present data and practice oral, written, visual and electronic communication.

SCIGEN 102 15 Points

SCIGEN 102G 15 Points

Contemporary Science in Aotearoa New Zealand

What does it mean to do science here and now? This course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. Students will think critically about the relationships between science and our environment, along with the ethics of science in practice.

SCIGEN 189 10 Points

Special Topic

Selected topics in Science designed as a short credit course for exchange students coming to New Zealand. This course is only available to inbound exchange students.

Prerequisite: Permission of Head of Department

Stage II

SCIGEN 201 15 Points

Innovating in a Knowledge Society

Interdisciplinary examination of science innovation at policy, organisational and project levels including context, impacts and roles of business and research organisations, and ways innovations are presented and received. Case study analysis of the business environment including how innovation is both enabled and constrained in science-based organisations and society, and innovation strategies in science-based organisations.

Stage III

SCIGEN 301 15 Points

Engaging in a Knowledge Society

Addressing complex issues requires knowledge experts to engage with a variety of people. Solutions will be gained from collaborations that co-produce knowledge in transdisciplinary partnerships that lead to new ways of thinking. This course explores meaningful ways to engage with communities, and reassesses current ways of knowing and doing.

Prerequisite: Any 180 points

SCIGEN 310 15 Points

Directed Study

Directed study on a topic or topics approved by the Academic Head.

Prerequisite: Approval of Academic Head or nominee and Dean or nominee

SCIGEN 311 0 Points**Scholarship Research Project***Prerequisite: Approval of Academic Head or Nominee***SCIGEN 399 15 Points****Capstone: Science**

A multidisciplinary capstone for students coming from any science discipline. Students apply their cumulative knowledge and skills to a scientific phenomenon from a list of topics, considering the science in the context of sociocultural, ethical, or environmental challenges. Emphasises team as well as self-directed work to support mastery of academic competencies and key transferable skills.

*Prerequisite: 45 points passed at Stage III and Associate Dean (Academic) or nominee approval**Restriction: Any other BSc capstone*

Science Scholars

Stage I**SCISCHOL 100 15 Points****SCISCHOL 100A 7.5 Points****SCISCHOL 100B 7.5 Points****Science in Action**

An introduction to the big questions in science, approaches to scientific research, and how science and scientists play a role in society. Students will explore scientific knowledge and enquiry from a broad, cross-disciplinary perspective.

*Prerequisite: Programme Director approval**Restriction: SCISCHOL 101**To complete this course students must enrol in SCISCHOL 100 A and B, or SCISCHOL 100***SCISCHOL 101 0 Points****Science in Action 1**

An introduction to the big questions in science, approaches to scientific research, and how science and scientists play a role in society. Students will explore scientific knowledge and enquiry from a broad, cross-disciplinary perspective.

*Prerequisite: Programme Director approval***SCISCHOL 102 0 Points****Science in Action 2**

An advanced introduction to the big questions in science, approaches to scientific research, and how science and scientists play a role in society. Students will explore scientific knowledge and enquiry from a broad, cross-disciplinary perspective.

Prerequisite: Programme Director approval

Stage II**SCISCHOL 201 0 Points****Introduction to Science and Innovation**

An exploration of issues affecting Science in Society, including governance, funding and policies. Students will also explore the development of modern scientific method and the challenges of engaging in scientific research.

*Prerequisite: Programme Director approval***SCISCHOL 202 15 Points****SCISCHOL 202A 7.5 Points****SCISCHOL 202B 7.5 Points****Research and Discovery**

An exploration of scientific research skills and communication. Students will develop an understanding of the impact of culture on scientific discovery, the skills

to develop and document a research proposal, and how to communicate scientific work in an area of choice.

*Prerequisite: Programme Director approval**To complete this course students must enrol in SCISCHOL 202 A and B, or SCISCHOL 202*

Stage III**SCISCHOL 301 0 Points****Advanced Science and Innovation**

Explores the role of science in relation to the New Zealand and global economy and discusses issues including ownership, exploitation and stewardship of resources, indigenous science, biodiversity and National Science Challenges. Students will also explore the position of science nationally and globally and current scientific debates.

*Prerequisite: Programme Director approval***SCISCHOL 302 15 Points****SCISCHOL 302A 7.5 Points****SCISCHOL 302B 7.5 Points****Science Scholars Project**

Building on the research proposal developed in SCISCHOL 202, students will respond to a research question requiring data collection, analysis and interpretation, discussion and presentation of project outcomes.

*Prerequisite: Programme Director approval**To complete this course students must enrol in SCISCHOL 302 A and B, or SCISCHOL 302*

Speech Science

Postgraduate 700 Level Courses**SPCHSCI 701 15 Points****Dysphagia for Speech Language Therapists**

Assessment, analysis and intervention for children and adults with dysphagia. This is a fully online course for qualified Speech-language Therapists.

*Restriction: SPCHSCI 721***SPCHSCI 711 15 Points****Introduction to Communication in Children and Adults**

Communication development and disorders. Normal communication development across the lifespan, in the context of total child development, of major changes in expectations such as school and literacy, and of variations such as cultural differences and multilingualism. Applications of these concepts in an introduction to the assessment and management of communication disorders in children and of acquired disorders in adults.

SPCHSCI 712 15 Points**Linguistics for Speech Language Therapy**

The study of articulatory phonetics, phonemic transcription using the International Phonetic Alphabet, and the relationship between phonetics and phonology. Additional language analysis covering morphology, syntax, semantics and pragmatics.

SPCHSCI 713 15 Points**Anatomy and Physiology for Speech Language Therapy**

Anatomy and physiology of speech, language and hearing, including the respiratory, phonatory, articulatory, auditory and peripheral and central nervous systems underlying spoken communication. Application of this knowledge is through manipulation of human models and supported computer laboratories.

SPCHSCI 714 15 Points**Speech Language Therapy Clinical Practicum 1**

Clinical observation under supervisor guidance in a variety of settings, establishing links between theory and practice. This course is supported by weekly tutorial sessions.

SPCHSCI 721 15 Points**Dysphagia - Level 9**

Assessment and management of dysphagia (adult and paediatrics). Critical evaluation and synthesis of knowledge are presented in a substantial individual report.

Prerequisite: SPCHSCI 713

Restriction: SPCHSCI 701

SPCHSCI 722 15 Points**Speech, Language and Communication Needs in Children 1**

The nature of speech, language and communication needs in children is introduced by focusing on pre-verbal and very early communication, the development of speech, language and communication through preschool and primary school ages, and adolescence. Topics will include developmental language disorders and phonological disorders in children as well as contextual approaches to assessment and intervention, incorporating clinical decision-making, cultural and linguistic diversity and evidence-based practices.

Prerequisite: SPCHSCI 711

SPCHSCI 723 15 Points**Communication Disorders in Adults**

This course examines theoretical, research and clinical issues in the field of acquired neurogenic communication disorders. It builds on existing knowledge and presents the process of assessment, differential diagnosis, intervention procedures and treatment specifically designed for these conditions. Skills are developed in analysing client-specific approaches, therapeutic programmes and incorporating measures of efficacy into therapy plans.

Prerequisite: SPCHSCI 713

SPCHSCI 724 15 Points**Speech Language Therapy Clinical Practicum 2**

Clinical observation and practice in a variety of settings, enabling students to work with clients under supervision. This course is supported by weekly tutorials.

Prerequisite: SPCHSCI 714

SPCHSCI 733 15 Points**Audiology for Speech Language Therapy**

Study of types of hearing impairment, pathologies of the hearing mechanism, tests and clinical procedures used in audiological evaluations and hearing instrumentation.

Prerequisite: SPCHSCI 713

Restriction: SPCHSCI 732

SPCHSCI 734 15 Points**Speech Language Therapy Clinical Practicum 3 - Level 9**

Clinical practice in a variety of settings with students taking responsibility for the assessment and management of cases with supervisor guidance. The management plan and decision-making process for the client and their family are outlined and the project outcomes after analysis are presented, in a substantial report. Weekly tutorials support the course.

Prerequisite: SPCHSCI 724

SPCHSCI 736 15 Points**Topics in Communication Disorders in Adults - Level 9**

Advanced study of speech-language therapy (SLT) in adult populations including working with Māori, bilingualism,

progressive conditions, palliative care, lifelong disability and ageing effects on audition and language. It includes highly specialised theoretical and clinical approaches which underpin the content, with implications for SLT practice in the New Zealand context being the predominant focus. Involves an individual management plan for a client resulting in a substantial individual report.

Prerequisite: SPCHSCI 723

Restriction: SPCHSCI 741

SPCHSCI 743 15 Points**Speech, Language and Communication in Needs in Children 2 - Level 9**

Extends topics introduced in SPCHSCI 722 by focusing on advanced topics in speech, language and communication needs in children. This includes in-depth learning in speech sound disorders, oromotor difficulties, intellectual and/or physical disability, autism spectrum disorder as well as language disorders in adolescents. Consolidating and extending knowledge of evidence-based practice in child speech and language will include critical evaluation and synthesis of terminology and concepts.

Prerequisite: SPCHSCI 722

Restriction: SPCHSCI 732

SPCHSCI 744 15 Points**Speech Language Therapy Clinical Practicum 4 - Level 9**

Clinical practice in a variety of settings with the student demonstrating independent practice and problem solving skills. Involves an individual e-portfolio which includes management session plans with clients as well as peer and supervisor feedback. Supervisory guidance will be given and the course will be supported by weekly tutorials.

Prerequisite: SPCHSCI 734

SPCHSCI 746 15 Points**Voice and Fluency - Level 9**

Voice - study of the voice and the assessment and management of voice disorders (adult and paediatrics). Fluency - assessment and management of dysfluency disorders (adult and paediatrics). Critical evaluation and synthesis of knowledge are presented in substantial individual case reports.

Prerequisite: SPCHSCI 713, 733

Restriction: SPCHSCI 731

SPCHSCI 751 15 Points**Special Topic****SPCHSCI 752 15 Points****Research Project****SPCHSCI 753 15 Points****Special Topic****SPCHSCI 754 15 Points****Special Topic****SPCHSCI 790 30 Points****SPCHSCI 790A 15 Points****SPCHSCI 790B 15 Points****Research Project - Level 9**

Restriction: SPCHSCI 735, 742, 745

To complete this course students must enrol in SPCHSCI 790 A and B, or SPCHSCI 790

SPCHSCI 796A 60 Points**SPCHSCI 796B 60 Points****MSc Thesis in Speech Science - Level 9**

To complete this course students must enrol in SPCHSCI 796 A and B

Statistics

Stage I

STATS 100 15 Points

Concepts in Statistics

A first exposure to statistics that builds data handling and literacy skills and develops conceptual thinking through active participation in problems using real data, computer simulations and group work. STATS 100 makes full use of appropriate technology and prepares students to use statistics in their own disciplines.

Restriction: May not be taken with, or after passing, any other Statistics course

STATS 101 15 Points

Introduction to Statistics

Intended for anyone who will ever have to collect or make sense of data, either in their career or private life. Steps involved in conducting a statistical investigation are studied with the main emphasis being on data analysis and the background concepts necessary for successfully analysing data, extrapolating from patterns in data to more generally applicable conclusions and communicating results to others. Other topics include probability; confidence intervals, statistical significance, t-tests, and p-values; nonparametric methods; one-way analysis of variance, simple linear regression, correlation, tables of counts and the chi-square test.

Restriction: STATS 102, 107, 108, 191

STATS 108 15 Points

Statistics for Commerce

The standard Stage I Statistics course for the Faculty of Business and Economics or for Arts students taking Economics courses. Its syllabus is as for STATS 101, but it places more emphasis on examples from commerce.

Restriction: STATS 101, 102, 107, 191

STATS 125 15 Points

Probability and its Applications

Probability, conditional probability, Bayes theorem, random walks, Markov chains, probability models. Illustrations will be drawn from a wide variety of applications including: finance and economics; biology; telecommunications, networks; games, gambling and risk.

Corequisite: ENGSCI 111 or MATHS 108 or 110 or 120 or 130

Restriction: STATS 210

STATS 150 15 Points

Communicating Statistics

Examines the uses, limitations and abuses of statistical information in a variety of activities such as polling, public health, sport, law, marketing and the environment. The statistical concepts and thinking underlying data-based arguments will be explored. Emphasises the interpretation and critical evaluation of statistically based reports as well as the construction of statistically sound arguments and reports. Some course material will be drawn from topics currently in the news.

Stage II

STATS 201 15 Points

Data Analysis

A practical course using the R language in the statistical analysis of data and the interpretation and communication of statistical findings. Includes exploratory data analysis, analysis of linear models including multiple regression and analysis of variance, generalised linear models including

logistic regression and analysis of counts, time series analysis.

Prerequisite: 15 points from STATS 101-108, 191

Restriction: STATS 207, 208

STATS 208 15 Points

Data Analysis for Commerce

A practical course using the popular R language in the statistical analysis of data and the interpretation and communication of statistical findings. Includes exploratory data analysis, analysis of linear models including multiple regression and analysis of variance, generalised linear models including logistic regression and analysis of counts, time series analysis.

Prerequisite: 15 points from STATS 101-108, 191

Restriction: STATS 201, 207

STATS 210 15 Points

Statistical Theory

Probability, discrete and continuous distributions, likelihood and estimation, hypothesis testing.

Prerequisite: 15 points from ENGSCI 111, ENGEN 150, STATS 125

Corequisite: 15 points from MATHS 208, 250, ENGSCI 211 or equivalent

STATS 220 15 Points

Data Technologies

Explores the processes of data acquisition, data storage and data processing using current computer technologies. Students will gain experience with and understanding of the processes of data acquisition, storage, retrieval, manipulation, and management. Students will also gain experience with and understanding of the computer technologies that perform these processes.

Prerequisite: 15 points at Stage I in Computer Science or Statistics

STATS 225 15 Points

Probability: Theory and Applications

Covers the fundamentals of probability through theory, methods, and applications. Topics should include the classical limit theorems of probability and statistics known as the laws of large numbers and central limit theorem, conditional expectation as a random variable, the use of generating function techniques, and key properties of some fundamental stochastic models such as random walks, branching processes and Poisson point processes.

Prerequisite: B+ or higher in ENGEN 150 or ENGSCI 111 or STATS 125, or a B+ or higher in MATHS 120 and 130

Corequisite: 15 points from ENGSCI 211, MATHS 208, 250

STATS 240 15 Points

Design and Structured Data

An introduction to research study design and the analysis of structured data. Blocking, randomisation, and replication in designed experiments. Clusters, stratification, and weighting in samples. Other examples of structured data.

Prerequisite: STATS 101 or 108

Restriction: STATS 340

STATS 255 15 Points

Optimisation and Data-driven Decision Making

Explores methods for using data to assist in decision making in business and industrial applications. Software packages will be used to solve practical problems. Topics such as linear programming, transportation and assignment models, network algorithms, queues, Markov chains, inventory models, simulation, analytics and visualisation will be considered.

Prerequisite: ENGSCI 211 or STATS 201 or 208, or a B+ or higher in either MATHS 108 or 120 or 130 or 162 or 199 or STATS 101 or

108, or a concurrent enrolment in either ENGSCI 211 or STATS 201 or 208

Restriction: ENGSCI 255

Stage III

STATS 302 15 Points Applied Multivariate Analysis

Covers the exploratory analysis of multivariate data, with emphasis on the use of statistical software and reporting of results. Topics covered include: techniques for data display, dimension reduction and ordination, cluster analysis, multivariate ANOVA and associated methods.

Prerequisite: ENGSCI 314 or STATS 201 or 208

Restriction: STATS 767

STATS 310 15 Points Introduction to Statistical Inference

Estimation, likelihood methods, hypothesis testing, multivariate distributions, linear models.

Prerequisite: STATS 210 or 225, and 15 points from MATHS 208, 250 or equivalent

Restriction: STATS 732

STATS 313 15 Points Advanced Topics in Probability

Characterisations of and relations between different kinds of random objects including random functions, random paths and random trees. Modes of convergence; the Law of Large Numbers and Central Limit Theorem.

Prerequisite: STATS 225

Restriction: STATS 710

STATS 320 15 Points Applied Stochastic Modelling

Construction, analysis and simulation of stochastic models, and optimisation problems associated with them. Poisson process, Markov chains, continuous-time Markov processes. Equilibrium distribution, reaching probabilities and times, transient behaviour. Use of R to simulate simple stochastic processes. Examples drawn from a range of applications including operations research, biology, and finance.

Prerequisite: 15 points from STATS 125, 210, 225 and 15 points from STATS 201, 208, 220, or ENGSCI 314

STATS 325 15 Points Stochastic Processes

Introduction to stochastic processes, including generating functions, branching processes, Markov chains, random walks.

Prerequisite: B+ or higher in STATS 125 or B or higher in ENGSCI 314 or STATS 210 or 225 or 320, and 15 points from ENGSCI 211, MATHS 208, 250

Restriction: STATS 721

STATS 326 15 Points Applied Time Series Analysis

Components, decompositions, smoothing and filtering, modelling and forecasting. Examples and techniques from a variety of application areas.

Prerequisite: 15 points from ECON 211, ENGSCI 314, STATS 201, 208

Restriction: STATS 727

STATS 330 15 Points Statistical Modelling

Application of the generalised linear model and extensions to fit data arising from a range of sources including multiple regression models, logistic regression models, and log-linear models. The graphical exploration of data.

Prerequisite: ENGSCI 314 or STATS 201 or 208

STATS 331 15 Points

Introduction to Bayesian Statistics

Introduces Bayesian data analysis using the WinBUGS software package and R. Topics include the Bayesian paradigm, hypothesis testing, point and interval estimates, graphical models, simulation and Bayesian inference, diagnosing MCMC, model checking and selection, ANOVA, regression, GLMs, hierarchical models and time series. Classical and Bayesian methods and interpretations are compared.

Prerequisite: 15 points from ENGSCI 263, STATS 201, 208 and 15 points from ENGSCI 111, ENGGEN 150, STATS 125

STATS 369 15 Points Data Science Practice

Modern predictive modelling techniques, with application to realistically large data sets. Case studies will be drawn from business, industrial, and government applications.

Prerequisite: STATS 220 and STATS 210 or 225 and 15 points from ECON 221, STATS 201, 208, or ENGSCI 233 and 263

Restriction: STATS 765

STATS 370 15 Points Financial Mathematics

Mean-variance portfolio theory; options, arbitrage and put-call relationships; introduction of binomial and Black-Scholes option pricing models; compound interest, annuities, capital redemption policies, valuation of securities, sinking funds; varying rates of interest, taxation; duration and immunisation; introduction to life annuities and life insurance mathematics.

Prerequisite: 15 points at Stage II in Mathematics and 15 points at Stage II in Statistics

Restriction: STATS 722

STATS 380 15 Points Statistical Computing

Statistical programming using the R computing environment. Data structures, numerical computing and graphics.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 208, 220

STATS 383 15 Points The Science and Craft of Data Management

A structured introduction to the science and craft of data management, including: data representations and their advantages and disadvantages; workflow and data governance; combining and splitting data sets; data cleaning; the creation of non-trivial summary variables; and the handling of missing data. These will be illustrated by data sets of varying size and complexity, and students will implement data processing steps in at least two software systems.

Prerequisite: ENGSCI 314 or STATS 201 or 208, and COMPSCI 101 or ENGSCI 233 or STATS 220

STATS 392 15 Points Directed Study

Directed study on a topic from Data Science, Statistics or Probability approved by the Academic Head or nominee.

STATS 399 15 Points Capstone: Statistics in Action

Provides opportunities to integrate knowledge in statistics and data science, and collaborate with others through a succession of group projects and activities.

Prerequisite: 30 points at Stage III in Statistics

Postgraduate 700 Level Courses**STATS 701** 15 Points**Advanced SAS Programming**

A continuation of STATS 301, with more in-depth coverage of programming in the SAS language. Topics covered will include advanced use of the SAS language, advanced data step programming, macros, input and output, connectivity to other software platforms, SAS SQL.

Prerequisite: STATS 301

STATS 702 15 Points**Special Topic in Statistics 2****STATS 703** 15 Points**Special Topic in Statistics 1****STATS 705** 15 Points**Topics in Official Statistics**

Official statistics, data access, data quality, demographic and health statistics, other social statistics, economic statistics, analysis and presentation, case studies in the use of official statistics.

STATS 707 15 Points**Computational Introduction to Statistics**

An advanced introduction to statistics and data analysis, including testing, estimation, and linear regression.

Prerequisite: 15 points from STATS 101, 108 and 15 points from COMPSCI 101, MATHS 162

Restriction: ENGSCI 314, STATS 201, 207, 208, 210, 225

STATS 708 15 Points**Topics in Statistical Education**

Covers a wide range of research in statistics education at the school and tertiary level. There will be a consideration of, and an examination of, the issues involved in statistics education in the curriculum, teaching, learning, technology and assessment areas.

STATS 709 30 Points**Predictive Modelling**

Predictive modelling forecasts likely future outcomes based on historical and current data. Following an advanced introduction to statistics and data analysis, the course will discuss concepts for modern predictive modelling and machine learning.

Prerequisite: COMPSCI 130, MATHS 108, and 15 points from STATS 101, 108, or equivalent

Restriction: STATS 201, 207, 208, 210, 225, 707, 765

STATS 710 15 Points**Probability Theory - Level 9**

Fundamental ideas in probability theory; sigma-fields, laws of large numbers, characteristic functions, the Central Limit Theorem, modes of convergence. Advanced topics may include Poisson random measures, random trees, Lévy processes, random spatial models. Students will undertake assigned individual research projects based on a journal article or advanced textbook, including a detailed explanation of the techniques of probability theory exemplified therein.

Prerequisite: B+ or higher in STATS 225 or 15 points from STATS 310, 320, 325

STATS 720 15 Points**Stochastic Processes**

Stochastic models and their applications. Discrete and continuous-time jump Markov processes. A selection of topics from point processes, renewal theory, Markov decision processes, stochastic networks, inference for

stochastic processes, simulation of stochastic processes, and computational methods using R.

Prerequisite: STATS 320 or 325

STATS 721 15 Points**Foundations of Stochastic Processes**

Fundamentals of stochastic processes. Topics include: generating functions, branching processes, Markov chains, and random walks.

Prerequisite: 15 points from STATS 125, 210, 225, 320 with at least a B+ and 15 points from MATHS 208, 250, 253

Restriction: STATS 325

STATS 722 15 Points**Foundations of Financial Mathematics**

Fundamentals of financial mathematics. Topics include: mean-variance portfolio theory; options, arbitrage and put-call relationships; introduction of binomial and Black-Scholes option pricing models; compound interest, annuities, capital redemption policies, valuation of securities, sinking funds; varying rates of interest, taxation; duration and immunisation; introduction to life annuities and life insurance mathematics.

Prerequisite: 15 points at Stage II in Statistics or BIOSCI 209, and 15 points at Stage II in Mathematics

Restriction: STATS 370

STATS 725 15 Points**Special Topic****STATS 726** 15 Points**Time Series**

Stationary processes, modelling and estimation in the time domain, forecasting and spectral analysis.

Prerequisite: STATS 210, and 15 points from STATS 326, 786

STATS 727 15 Points**Foundations of Applied Time Series Analysis**

Fundamentals of applied time series analysis. Topics include: components, decompositions, smoothing and filtering, modelling and forecasting. Examples and techniques from a variety of application areas are presented.

Prerequisite: 15 points from ECON 221, STATS 201, 207, 208, 707

Restriction: STATS 326

STATS 730 15 Points**Statistical Inference - Level 9**

Fundamental topics in estimation and statistical inference. Advanced topics in modelling including regression with dependent data, survival analysis, methods to handle missing data. Advanced topics in current statistical practice researched by students. Students will undertake and present individual research projects on assigned topics, consisting in a literature search and a computational application to a data analysis task.

Prerequisite: STATS 310 or 732

STATS 731 15 Points**Bayesian Inference**

A course in practical Bayesian statistical inference covering: the Bayesian approach specification of prior distributions, decision-theoretic foundations, the likelihood principle, asymptotic approximations, simulation methods, Markov Chain Monte Carlo methods, the BUGS and CODA software, model assessment, hierarchical models, application in data analysis.

Prerequisite: STATS 331 and 15 points from STATS 210, 225

STATS 732 15 Points**Foundations of Statistical Inference**

Fundamentals of statistical inference including estimation,

hypothesis testing, likelihood methods, multivariate distributions, joint, marginal, and conditional distributions, vector random variables, and an introduction to decision theory and Bayesian inference.

Prerequisite: STATS 210 or 225, and 15 points from MATHS 208, 250

Restriction: STATS 310

STATS 740

15 Points

Sample Surveys

The design, management and analysis of sample surveys. Topics such as the following are studied. Types of Survey. Revision of statistical aspects of sampling. Preparing surveys. Research entry: problem selection, sponsorship and collaboration. Research design: methodology and data collection; Issues of sample design and sample selection. Conducting surveys: Questionnaires and questions; Non-sampling issues; Project management; Maintaining data quality. Concluding surveys: Analysis; Dissemination.

Prerequisite: 15 points from STATS 240, 330, 340, and 15 points from Stage II Mathematics

STATS 741

15 Points

Sample Surveys and Experimental Design

Design, implementation and analysis of sample surveys and of experiments. This course covers the foundations of both areas.

Prerequisite: 15 points from STATS 201, 207, 208

Restriction: STATS 340

STATS 747

15 Points

Statistical Methods in Marketing

Stochastic models of brand choice, applications of General Linear Models in marketing, conjoint analysis, advertising media models and marketing response models.

Prerequisite: 15 points from STATS 201, 207, 208, 210, 707

STATS 750

15 Points

Experimental Design

The design and analysis of data from experiments involving factorial and related designs and designs which have the property known as general balance (this includes most of the standard designs), and more general designs with blocking and replication. Response surface methodology. Sequential experimentation.

Prerequisite: 15 points from STATS 240, 330, 340, 762

STATS 761

15 Points

Mixed Models

Linear mixed effect models for the analysis of data from small experiments, particularly those cases where the data are unbalanced. Methods include restricted maximum likelihood for the estimation of variance components.

STATS 762

15 Points

Regression for Data Science

Application of the generalised linear model to fit data arising from a wide range of sources, including multiple linear regression models, Poisson regression, and logistic regression models. The graphical exploration of data. Model building for prediction and for causal inference. Other regression models such as quantile regression. A basic understanding of vector spaces, matrix algebra and calculus will be assumed.

Prerequisite: 15 points from STATS 210, 225, 707, and 15 points from ENGSCI 314, STATS 201, 207, 208

Restriction: STATS 330

STATS 763

15 Points

Advanced Regression Methodology

Generalised linear models, generalised additive models,

survival analysis. Smoothing and semiparametric regression. Marginal and conditional models for correlated data. Model selection for prediction and for control of confounding. Model criticism and testing. Computational methods for model fitting, including Bayesian approaches.

Prerequisite: STATS 210 or 225, and 15 points from STATS 330, 762 and 15 points at Stage II in Mathematics

STATS 765

15 Points

Statistical Learning for Data Science

Concepts of modern predictive modelling and machine learning such as loss functions, overfitting, generalisation, regularisation, sparsity. Techniques including regression, recursive partitioning, boosting, neural networks. Application to real data sets from a variety of sources, including data quality assessment, data preparation and reporting.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 207, 208 and 15 points from STATS 210, 225, 707

Corequisite: May be taken with STATS 707

Restriction: STATS 369

STATS 766

15 Points

Multivariate Analysis

A selection of topics from multivariate analysis, including: advanced methods of data display (e.g., Correspondence and Canonical Correspondence Analysis, Biplots, and PREFMAP) and an introduction to classification methods (e.g., various types of Discriminant Function Analysis).

Prerequisite: STATS 310 or 732

STATS 767

15 Points

Foundations of Applied Multivariate Analysis

Fundamentals of exploratory analysis of multivariate data, with emphasis on the use of statistical software and reporting of results. Topics covered include: techniques for data display, dimension reduction and ordination, cluster analysis, multivariate ANOVA and associated methods.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 207, 208, 707

Restriction: STATS 302

STATS 768

15 Points

Longitudinal Data Analysis

Exploration and regression modelling of longitudinal and clustered data, especially in the health sciences: mixed models, marginal models, dropout, causal inference.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 207, 208, 210, 707

STATS 769

15 Points

Advanced Data Science Practice

Databases, SQL, scripting, distributed computation, other data technologies.

Prerequisite: 15 points from STATS 220, 369, 380 and 15 points from ENGSCI 314, STATS 201, 207, 208, 707

STATS 770

15 Points

Introduction to Medical Statistics

An introduction to ideas of importance in medical statistics, such as measures of risk, basic types of medical study, causation, ethical issues and censoring, together with a review of common methodologies.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 207, 208 and 15 points from STATS 210, 225, 707

STATS 771

15 Points

Special Topic

STATS 773

15 Points

Design and Analysis of Clinical Trials

The theory and practice of clinical trials, including:

design issues, data management, common analysis methodologies, intention to treat, compliance, interim analyses and ethical considerations.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 207, 208, 707

STATS 774 60 Points

STATS 774A 30 Points

STATS 774B 30 Points

Dissertation in Statistics Education - Level 9

To complete this course students must enrol in STATS 774 A and B, or STATS 774

STATS 776 15 Points

Estimating Animal Abundance

Fundamentals of the statistical methods that underly capture-recapture, distance sampling and occupancy analysis, focusing on the critical role that p , the probability of detection, plays in estimating n , the number of animals, or ψ , the probability of species presence. Extensions to these fundamental tools including spatially explicit, genetic, and hierarchical methods will be covered.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 207, 208, 707

STATS 779 15 Points

Professional Skills for Statisticians

Statistical software, data management, data integrity, data transfer, file processing, symbolic manipulation, document design and presentation, oral presentation, professional ethics.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 208, 707

STATS 780 15 Points

Statistical Consulting

Students will learn about the practicalities of statistical consulting. Students will carry out a statistical consulting project, including the writing of a report, under the supervision of a member of the academic staff.

Prerequisite: STATS 330 or 762

STATS 781 30 Points

STATS 781A 15 Points

STATS 781B 15 Points

Research Project - Level 9

Restriction: STATS 789

To complete this course students must enrol in STATS 781 A and B, or STATS 781

STATS 782 15 Points

Statistical Computing

Professional skills, advanced statistical programming, numerical computation and graphics.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 208, 707

STATS 783 15 Points

Simulation and Monte Carlo Methods

A practical introduction to modern simulation and Monte Carlo techniques and their use to simulate real situations and to solve difficult statistical inferential problems whose mathematical analysis is intractable.

STATS 784 15 Points

Statistical Data Mining

Data cleaning, missing values, data warehouses, security, fraud detection, meta-analysis, and statistical techniques for data mining such as regression and decision trees, modern and semiparametric regression, neural networks, statistical approaches to the classification problem.

Prerequisite: 15 points from STATS 210, 225, and 15 points from STATS 330, 762

STATS 785 15 Points

Foundations of Statistical Data Management

SAS statistical software with an emphasis on using SAS as a programming language for purposes of database manipulation, simulation, statistical modelling and other computer-intensive methods.

Prerequisite: 15 points from ENGSCI 314, STATS 201, 207, 208, 707

Restriction: STATS 301

STATS 786 15 Points

Time Series Forecasting for Data Science

Delivers a comprehensive understanding of widely used time series forecasting methods, illustrates how to build models to uncover the structure in time series and perform model diagnostics to assess the fit of models, and develops analytical and computer skills that are necessary for analysing time series data. Familiarity with coding in R is recommended.

Prerequisite: 15 points from STATS 201, 208

Restriction: STATS 326, 727

STATS 787 15 Points

Data Visualisation

Effective visual presentations of data. Topics may include: how to present different types of data; human perception; graphics formats; statistical graphics in R; interactive graphics; visualising high-dimensional data; visualising large data.

Prerequisite: 15 points from STATS 220, 369, 380 and 15 points from ENGSCI 314, STATS 201, 207, 208, 707

STATS 790 30 Points

STATS 790A 15 Points

STATS 790B 15 Points

Research Project - Level 9

Restriction: STATS 796

To complete this course students must enrol in STATS 790 A and B, or STATS 790

STATS 792 45 Points

STATS 792A 22.5 Points

STATS 792B 22.5 Points

Dissertation in Statistics Education - Level 9

To complete this course students must enrol in STATS 792 A and B, or STATS 792

STATS 793 45 Points

STATS 793A 22.5 Points

STATS 793B 22.5 Points

Dissertation - Level 9

To complete this course students must enrol in STATS 793 A and B, or STATS 793

STATS 796A 60 Points

STATS 796B 60 Points

MSc Thesis in Statistics - Level 9

To complete this course students must enrol in STATS 796 A and B

STATS 798A 45 Points

STATS 798B 45 Points

Masters Thesis in Statistics - Level 9

Prerequisite: 15 points from STATS 310, 732 and 15 points from STATS 330, 762, or approval of Head of Department

Restriction: STATS 790, 796

To complete this course students must enrol in STATS 798 A and B

Sustainability

Stage I**SUSTAIN 100** 15 Points**SUSTAIN 100G** 15 Points**Sustainability and Us**

What is sustainability? Discusses what sustainability means, and its underpinning values, history and operation within complex physical systems. Students complete a group project to develop skills in collective decision making with a solution focus. Explores two sustainability issues in depth.

Stage II**SUSTAIN 200** 15 Points**The Sustainable Community**

What is the sustainable community? The course unpacks the nature of complex social and ecological systems with a particular focus on large organisations and cities. Students undertake a group project to enhance their skills in collective decision making, and to develop skills in integrating information and presenting sustainability solutions. The course explores two sustainability issues in depth.

Prerequisite: 60 points passed

Stage III**SUSTAIN 300** 15 Points**A Sustainable World**

Is it possible to have a sustainable global system? The course explores two sustainability issues in depth. Focussing on large scale social institutions with consideration of politics, the media, national and international law and economics. Students undertake a group project to develop skills in researching and integrating information from a range of experts and recommending sustainability solutions to decision makers.

Prerequisite: 30 points passed at Stage II

Tertiary Foundation Certificate Biological Science

Foundation Courses**TFCBIO 91F** 15 Points**Foundation Biology 1**

An introduction to biological sciences with an emphasis on organism diversity, which includes bacteria, plants, fungi and animals. Fundamentals of classification, ecology and evolution are introduced and the study of a current topic in biology is used to develop research and critical thinking skills. Practical classes are both laboratory-based and field based.

Restriction: BIOSCI 91F, 91P

TFCBIO 92F 15 Points**Foundation Biology 2**

Concepts introduced in TFCBIO 91F are further developed with an emphasis on the structures and processes of living things at cellular and molecular levels. Cell biology, genetic principles and biochemistry are explored and further developed in a human biological context. Laboratories focus on students developing key practical skills.

Prerequisite: TFCBIO 91F or Director approval

Restriction: BIOSCI 91F, 92F, 91P, 92P

Tertiary Foundation Certificate Chemistry

Foundation Courses**TFCHEM 91F** 15 Points**Foundation Chemistry 1**

Introduction to elements, compounds, the periodic table, atomic structure, covalent bonding, molecular shape and polarity. Quantitative chemistry, including balancing equations, calculating moles and particles present, calculation of concentration in mol L⁻¹. Energy and thermo-chemistry. Laboratories include practical skills and qualitative analysis, and simple modelling.

Restriction: CHEM 91F, 91P

TFCHEM 92F 15 Points**Foundation Chemistry 2**

Introduces further principles of chemistry. Physical chemistry and qualitative inorganic analysis, including chemical kinetics and chemical equilibrium. Organic chemistry, including hydrocarbons, oxygen-containing functional groups, isomerism and reaction classifications, acids, bases, buffer solutions and titrations. Laboratories include reactions of hydrocarbon and oxygen-containing organic compounds, chromatography, testing for anions and cations in solution, acid-base titrations.

Prerequisite: TFCHEM 91F or Director approval

Restriction: CHEM 92F

Tertiary Foundation Certificate Environmental Stud

Foundation Courses**TFCENV 91F** 15 Points**Geography**

Provides an introductory overview of geography, exploring the relationship between people and place. Examines environmental change, natural hazards, physical and social processes, and geospatial thinking through a variety of local and global case studies.

TFCENV 92F 15 Points**Earth and Environmental Sciences**

How do biophysical processes shape the Earth and the environmental issues we face on it? Introduces students to the physical processes that shapes our world, from earthquakes deep underground to glaciers on mountain tops. Explores how physical and biological processes on Earth interact in pressing environmental issues like climate change, pollution and species conservation.

Tertiary Foundation Certificate Mathematics

Foundation Courses**TFCMATHS 89F** 15 Points**Mathematics for Arts**

Includes several important mathematical ideas within historical, environmental, societal, political, financial, justice, entertainment and cultural contexts. Will also be guided by the interests of its learners as citizens and consumers, who will be encouraged to draw on the mathematics they are already familiar with. Aimed at linking mathematics to the world of students who are likely to be non-STEM majors.

TFCMATHS 90F

15 Points

Preparatory Skills in Mathematics

Development of fundamental mathematics concepts including an understanding of arithmetic ideas as expressed in fractions, decimals and percentages, ratio and proportion, measurement and algebraic thinking. Application of these concepts in contexts such as financial literacy, problem solving, and real-life mathematics will form the basis of this course.

Restriction: EDFOUND 15F, TFCEDUC 15F

TFCMATHS 91F

15 Points

Foundation Mathematics 1

This mathematics course aims to promote an understanding of number skills, including an introduction to algebra. Students will learn how to use simple technology and develop their problem solving abilities.

Restriction: MATHS 91P, 92F

TFCMATHS 92F

15 Points

Foundation Mathematics 2

This mathematics course aims to use the skills learnt in TFCMATHS 91F to develop an understanding of functions in their tabular, algebraic and graphical representations. Prepares students for MATHS 102. Recommended preparation: TFCMATHS 91F or TFCMATHS 93F.

Restriction: MATHS 92F

TFCMATHS 93F

15 Points

Foundation Mathematics 3

This mathematics course aims to promote an understanding of numerical and algebraic skills at a deeper level than TFCMATHS 91F. Students will learn how to use simple technology and develop their problem solving abilities.

Restriction: MATHS 93F, 93P

TFCMATHS 94F

15 Points

Foundation Mathematics 4

This mathematics course aims to use the skills learnt in TFCMATHS 93F to develop an understanding of functions, including differential functions, in their tabular, algebraic and graphical representations. This course prepares students for MATHS 102.

Prerequisite: TFCMATHS 93F or Director approval

Restriction: MATHS 94F

Tertiary Foundation Certificate Physics**Foundation Courses****TFCPHYS 91F**

15 Points

Foundation Physics

An introductory course for students who have not previously studied physics. Topics include the nature of light; wave motion; basic mechanics of motion in a straight line, including the concepts of momentum and energy; an introduction to heat.

Restriction: PHYSICS 91F, 91P

TFCPHYS 92F

15 Points

Foundation Physics 2

A second foundation course for students who understand the basic mechanics of motion in a straight line. Further mechanics, including equilibrium, projectile motion, rotational motion and gravitation. Electromagnetism, including electrostatics, elementary circuits and the effects of magnetic fields.

Prerequisite: TFCPHYS 91F or Director approval

Restriction: PHYSICS 92F

Tertiary Foundation Certificate Statistics**Foundation Courses****TFCSTATS 92F**

15 Points

Foundation Statistics

Provides an introduction to statistics for anyone who will ever have to collect, analyse or interpret data, either in their career or private life. Statistical skills will be developed through Exploratory Data Analysis of real data using appropriate technology and statistical techniques. An important aspect of the course will involve communication of results.

Transdisciplinary Environmental Futures**Stage 1****TDENVF 100**

15 Points

Our Environmental Futures: Te Taiao Tāngata

Explores the complex relationships between environmental systems and humans. Working in teams, students examine environmental, social, economic and cultural perspectives in the real-world contexts of waitā (sea), waiti (freshwater) and whenua (land). Students will respond to environmental issues by recognising ora (wellbeing) and Ki Uta ki Tai (the interconnectedness of ecosystems) and develop a transdisciplinary mindset to tackle current and future environmental challenges.

Transdisciplinary The Future of Food**Stage 1****TDFOOD 100**

15 Points

The Future of Food Systems

Explores the global food system with a focus on sustainability, health, culture, science and technology, particularly within Aotearoa, New Zealand. Students will work in teams to analyse future trends and propose innovative solutions, using a transdisciplinary approach to envision and design sustainable food systems and practices that respect diverse cultural perspectives.

Waipapa Taumata Rau**Stage 1****WTRSCI 100**

15 Points

Waipapa Taumata Rau: Contemporary Science in Aotearoa New Zealand

Ko Waipapa Taumata Rau tātou. Welcome to your study in Te Whare Pūtaiao, the Faculty of Science. This core course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. It provides foundational essential skills to support you in your first year and future studies. Sustainability is used as a lens to explore what it means to practise contemporary science in Aotearoa New Zealand.

Restriction: SCIGEN 102, 102G, WTR 100, 101, WTRBUS 100, WTRENG 100, WTRMHS 100

Wine Science

Stage II

WINESCI 201 15 Points

Introduction to Wine Science

An introduction to grape growing and wine. Topics covered include history of wine, geography and terroir, grape growing, winemaking technology, microbiology, sensory evaluation, and health considerations of wine. A special emphasis on grape growing and winemaking in New Zealand.

Prerequisite: Any 120 points passed

Postgraduate 700 Level Courses

WINESCI 701 15 Points

Winemaking in a New Zealand Setting

The principles and practices of local winemaking are reviewed and compared with international counterparts to highlight the distinctive characteristics of winemaking in New Zealand. A microvinification project is undertaken in which students begin with an allotment of grapes, monitor the fermentation using a range of analytical techniques, and make decisions which affect the style of wine they produce.

WINESCI 702 15 Points

The Science Behind Grape Production

Develops understanding of the contemporary scientific knowledge and research that is of relevance to grape production for winemaking. The application of traditional and modern molecular methods in plant science and plant pathology will be discussed in relation to the selection, improvement and management of vines and grape attributes. Research issues of national and international relevance to viticulture will also be addressed.

WINESCI 703 15 Points

The Science Behind Winemaking

Follows on from 702 and focuses on the contemporary scientific knowledge and research that is of relevance to winemaking, commencing from the point of grape harvest. The application of traditional and modern methods in biochemistry and microbiology will be discussed. Research issues of national and international relevance to winemaking will also be addressed.

WINESCI 704 15 Points

Sensory Evaluation and Statistical Methods

The principles of sensory science, sensory analysis of wine, differences among wine types, regional styles and grape types will be covered. Emphasis will be placed on those components which influence sensory appeal. The application of statistical methods to wine sampling and to the design of sensory panels will be overviewed.

WINESCI 705 15 Points

WINESCI 705A 7.5 Points

WINESCI 705B 7.5 Points

Project in Wine Science

Students will gain a thorough understanding of the current knowledge on a selected topic associated with wine science and have experience in writing a research proposal and in giving a presentation to the peer group.

To complete this course students must enrol in WINESCI 705 A and B, or WINESCI 705

WINESCI 706 15 Points

The Business of Wine Production

Students will be introduced to the economics of grape

growing, winemaking, winery design and management. Distribution and marketing will be introduced. Special topics including wine law, use and negotiation of contracts small business development, stock valuation, issues of appellations, labelling and brand development will be taught. Environmental and resource management issues and health and safety regulations will be covered.

WINESCI 707 15 Points

WINESCI 707A 7.5 Points

WINESCI 707B 7.5 Points

Topics in Wine Science

A number of advanced or special topics in wine science. This course may not be offered every year; further information may be obtained from the School of Chemical Sciences.

To complete this course students must enrol in WINESCI 707 A and B, or WINESCI 707

WINESCI 708 15 Points

Post-fermentation Processes in Winemaking

Covers the theory and practice of fining, filtration and other methods of wine clarification. Chemical and sensory effects of barrel and tank aging of red and white wine will be covered as well as blending decisions and stabilisation. Quality control methods used during processing, aging and packaging will also be addressed.

WINESCI 792 45 Points

WINESCI 792A 22.5 Points

WINESCI 792B 22.5 Points

Research Project - Level 9

To complete this course students must enrol in WINESCI 792 A and B, or WINESCI 792

WINESCI 793 60 Points

WINESCI 793A 30 Points

WINESCI 793B 30 Points

Dissertation - Level 9

To complete this course students must enrol in WINESCI 793 A and B, or WINESCI 793

WINESCI 796A 60 Points

WINESCI 796B 60 Points

MSc Thesis in Wine Science - Level 9

Advanced research on an aspect of wine science. This may be undertaken with the Wine Industry CRIs and University staff.

To complete this course students must enrol in WINESCI 796 A and B

GENERAL EDUCATION

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Transdisciplinary Courses

Transdisciplinary course prescriptions can be found in the listings for the lead faculty of each, as stated below. They may be used to satisfy General Education course requirements.

Course Code	Title	Faculty
TDAIS	Artificial Intelligence and Society	Transdisciplinary (Engineering and Design)
TDDEM	Democracy in the 21st Century	Transdisciplinary (Arts and Education)
TDENVF	Our Environmental Futures: Te Taiao Tāngata	Transdisciplinary (Science)
TDFOOD	The Future of Food Systems	Transdisciplinary (Science)
TDMIGR	Migration Futures	Transdisciplinary (Medical and Health Sciences)
TDMOANA	Tagata Moana, Tangata Whenua: Hawaiki Futures	Transdisciplinary (Arts and Education)

General Education

Academic Integrity

ACADINT A01

0 Points

Academic Integrity Course

An online course designed to increase student knowledge of academic integrity, university rules relating to academic conduct, and the identification and consequences of academic misconduct. Students work through a series of modules, outlining scenarios that they may encounter while studying at university. Each scenario provides information on relevant rules, resources and expected behaviour.

Accounting

Stage I

ACCTG 151G

15 Points

Financial Literacy

People who understand the basic principles of finance are likely to get much more mileage out of their money – whether spending, borrowing, saving or investing – than those who do not. Develop an understanding of how to be in control of spending and saving; understand borrowing; make informed investment decisions; know broadly what to insure and what not to; recognise scams and consider whether money is the key to happiness.

Restriction: May not be taken by students with a concurrent or prior enrolment in Accounting or Finance courses

Arts General

Stage I

ARTSGEN 103G

15 Points

Ko Wai Tātou? Who Are We?

Ko wai tātou? Who are we? Who are our people and communities? What do our ideas about who we are mean for relations of in/equality or how we experience belonging individually and collectively? In addressing these questions, this course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding.

Astrosiences

Stage I

ASTRO 100G

15 Points

Planets, Stars and Galaxies

The story of our place in the Universe. Key topics are the exploration of the solar system, searches for planets around other stars, the structure and evolution of stars and galaxies, high-energy astrophysics, and the origin and overall properties of the Universe. No background in physics or mathematics is assumed.

Restriction: PHYSICS 107, 107G

Stage II

ASTRO 200G

15 Points

Astrobiology

Astrobiology examines the potential of the universe to harbour life and is interdisciplinary, combining Geology, Biology, Astronomy, Chemistry, Physics, Philosophy, Ethics. Course focus is on how these disciplines combine with

technology, addressing questions of life in the universe. Key topics include origin and evolution of life, definitions and environmental limits of life, and how to search for life beyond Earth.

Prerequisite: 60 points passed

Biological Sciences

Stage I

BIOSCI 100G

15 Points

Antarctica: The Frozen Continent

A general introduction to Antarctica and its environs including the Southern Ocean and the sub-Antarctic islands. Emphasis will be placed on the evolution of Antarctica and how resident plants, animals and micro-organisms have adapted to cope with the extreme environment. Specific topics to be addressed include: the history of Antarctic exploration and its impact on the development of Antarctic science, Antarctic ecosystems, Antarctica as a wilderness region, and the impact of humans including the exploitation of resources and the effects of pollution. This course is suitable for students with both science and non-science backgrounds.

Chemistry

Stage I

CHEM 100G

15 Points

Molecules that Changed the World

The impact of chemistry on the modern world will be explored by focusing on the stories of specific molecules, including penicillin, DDT and nylon. Their discovery, the underlying chemical principles that explain their behaviour, their impact on our lives including social and scientific issues that arise from their use, and their likely impact on the future will be investigated. No formal prerequisite, but the course assumes a science background at Year 11 or higher.

Chinese

Stage I

CHINESE 100G

15 Points

Beginning Modern Chinese 1

Introduces students to modern Standard Chinese (Mandarin, *Putonghua*) through exercises and activities to develop speaking, listening, reading and writing skills. Also introduces the social and cultural background of the language.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Classical Studies and Ancient History

Stage I

ANCIENT 110G

15 Points

Classical Mythology

A study of ancient mythology – its gods, heroes and monsters – through the works of major writers and artists from Greece and either Rome or Egypt.

Restriction: CLASSICS 110, 110G

Cook Islands Māori

Stage I

COOKIS 101G

15 Points

Introduction to Cook Islands Māori

Gives students an introduction to the structure of Cook Islands Māori as well as allowing them to develop basic skills in listening, speaking, reading and writing. Designed for students with little or no knowledge of the language, and for those with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Dance Studies

Stage I

DANCE 101G

15 Points

Introduction to Dance and Creative Processes

To develop an understanding of our moving bodies through movement awareness, dance improvisation, choreography and creative and analytic writing. Students will undertake both theoretical and practical classes focusing on a range of practices that dancers and movement practitioners use to facilitate kinaesthetic awareness, experimentation, communication and choreography. Students will explore somatic theory and practice, improvisation scores, choreography and dance analysis. DANCE 101G not available for BDanceSt.

Design

Stage I

DESIGN 102G

15 Points

Design for Sustainable Futures

New opportunities are continually emerging in the field of design. This course introduces design as strategy, demonstrating how contemporary design practices have evolved, responded to, and influenced change. By developing a design project that responds to the United Nations Sustainable Development Goals, students will learn how design thinking complements current practice and expands career prospects.

Disability Studies

Stage I

DISABLT 113G

15 Points

Making Disabilities: The Construction of Ideas

Examines the expression of social and cultural ideas of disability in popular culture through film, television and print media. The course aims to develop skills to examine the construction and maintenance of concepts of disability and disabling identities in popular culture. The consequences of these processes are also discussed and their implications for perpetuating social devaluation, discrimination, and disadvantage.

Drama

Stage I

DRAMA 100G

15 Points

Presentation and Performance Skills: Taking the Stage

Focuses on enhancing oral communication and performance skills through interactive workshops with speakers and performers highlighting the transferable skills of acting in three main areas: public speaking, improvising and group-devised performance.

Earth Sciences

Stage I

EARTHSCI 105G

15 Points

Earth's Natural Hazards

New Zealand experiences many natural hazards caused by the Earth's natural processes through earthquakes, volcanic eruptions, weather bombs, storm surge, tsunami, flooding and wildfires. Focuses on spatial and temporal occurrences of disasters, hazard preparedness and recovery, and societal responses that affect and, sometimes, compound the magnitude of disasters. Case studies are drawn from contemporary and ancient societies.

Economics

Stage I

ECON 151G

15 Points

Understanding the Global Economy

Economics affects our daily lives and the global environment in many ways. Through the media we are constantly made aware of price increases, interest rate changes, exchange rate movements and balance of payments problems, growth and recessions, standard of living comparisons, regional trading agreements. What does it all mean and how does it all work?

Restriction: ECON 101, 111, 152, 191

Education

Stage I

EDUC 100G

15 Points

The Creative Process

Theories and practices of creativity will be examined and practically explored through a variety of disciplines, such as the arts, biology, psychology, sociology, philosophy and education. What is creativity? Can creativity be learnt? What happens in the brain when we are creative? These are some of the questions addressed in this course.

EDUC 105G

15 Points

Teaching: Tales and Traditions

Introduction to key ideas on teachers and teaching. Explores teaching traditions, their origins, stories of teaching in New Zealand; stories of teachers that generate change; and how teaching and teachers are understood in a variety of disciplines such as Science, Health, Arts, and Sport. Considers the following: How should we teach? What counts as knowledge? What contradictions do teachers encounter?

EDUC 121G**15 Points****How People Learn**

Focuses on learning in formal and informal settings and addresses such questions as: why do some things seem easier to learn than others, why do we forget things we once knew, and why do some people learn faster or better than others? Examines the nature of intelligence and how to help personal learning or the learning of others.

English**Stage I****ENGLISH 121G****15 Points****Reading/Writing/Text**

Develops University-wide skills of reading, writing and analysis. Addresses the needs of students in both English and other disciplines where both writing and reading have an important role in learning. The course fosters personal writing skills and also introduces writing as a subject of study in itself.

Environmental Physics**Stage I****ENVPHYS 100G****15 Points****Sun, Sand, Surf: Science of Aotearoa**

The atmosphere, oceans and land make up the dynamic environment of Aotearoa New Zealand. A range of phenomena with natural beauty can be described elegantly with simple scientific laws. This course establishes the physical principles underlying nature, empowering students to explain everyday environmental phenomena. These principles provide the foundation to unravel the science of Earth, climate and environmental change, and energy systems.

Exercise Sciences**Stage I****EXERSCI 100G****15 Points****Exercise and Fitness: Myths and Reality**

An introduction to the principles of physical exercise, with a focus on understanding how the body moves and responds to exercise, how performance can be measured, and how fitness can be developed and maintained to optimise health. Particular emphasis will be placed on the debunking of common myths about exercise, and offering evidence-based advice on the benefits of appropriate physical activity.

Restriction: BIOSCI 107, EXERSCI 101, 105, SPORTSCI 100G, 101, 105, MEDSCI 142

Fine Arts**Stage I****FINEARTS 109G****15 Points****Introduction to Photographic Practice**

Introduces the methods, concepts and contemporary contexts of photographic practice alongside the development of a photographic portfolio. Students will use their own camera, (this can include cell phone cameras) to develop a portfolio of photographic work and explore the ways in which contemporary arts and cultural practices

in Aotearoa enable a critical reflection on the production of images.

Stage II**FINEARTS 211G****15 Points****Understanding Contemporary Fashion Design**

Investigates the relationship between fashion design and identity to build understanding of the increasing rapidity of clothing change as both the product of individual choice and the manifestation of a need for community. The emphasis will be on the consumption of fashion and its relationship to the human body with reference to fashion theory in the context of the broader literatures of gender, class and ethnicity.

Prerequisite: 60 points passed

French**Stage I****FRENCH 101G****15 Points****Introductory French Language 1**

Introduces students to spoken and written French. It is delivered through two 90-minute sessions per week on campus, blended with an on-line component that uses up-to-date methodology and extensive multimedia materials. It is open to beginners or near beginners. Students who have achieved 24 recent credits in Level 1 NCEA French or 12-16 recent credits in Level 2 NCEA French (or equivalent previous study) should enrol in FRENCH 102. FRENCH 101 does not count towards a major in French. May not be taken if a more advanced language acquisition course in this subject has previously been passed.

Gender Studies**Stage I****GENDER 101G****15 Points****Gender: Global and Local**

Develops an understanding of key concepts that underlie gender analysis, and how they are expressed in politics, culture and society. Examines the meaning of gender across a range of subjects and issues on the global stage and in our everyday lives.

Restriction: GENDER 100

Geography**Stage I****GEOG 104G****15 Points****Cities and Urbanism**

What makes a great city? This course explores 'urbanism' in both historical and contemporary cities to determine the essence of urbanity and the way that citizens (and visitors) experience city life. The dynamics and character of cities are considered in terms of their built environment, environmental systems, population, social diversity, and planning policies and practices.

German

Stage I**GERMAN 101G****15 Points****German Language Introductory 1**

Written and oral use of German for students with no previous knowledge of the language or with fewer than 16 credits in NCEA Level 2 German.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Global Studies

Stage I**GLOBAL 101G****15 Points****Global Issues, Sustainable Futures**

The basis for sustainability – social issues such as population and consumption, environmental issues such as climate change, limited resources and environmental degradation. Discusses the roles that various disciplines (law, business, engineering and urban planning) will play in developing solutions, including consideration of human rights and good governance, new concepts in economics and business management which will lead to sustainable businesses, developments in science and technology which will change how we manage resources and new visions for cities and communities which will support sustainable ways of life.

Restriction: GENED 101G

History

Stage I**HISTORY 103G****15 Points****Global History**

It is only since the fifteenth century that a truly global dimension to history can be identified. This course examines key determinants that have bound the fate of peoples together including the emergence of world trade networks, the growth of world religions, the spread of epidemic diseases, the formation of empires, and the migration of peoples across continents.

Innovation

Stage I**INNOVATE 100G****15 Points****Innovation through Design**

Introduces design thinking and develops a user-centred approach to innovation, emphasising the importance of a deep understanding of user needs throughout an iterative ideation and prototyping process. Utilising the maker space at the Unleash Space and a range of digital tools, students will develop practical making and early stage prototyping skills.

International Business

Stage I**INTBUS 151G****15 Points****Business across Borders**

Business on a global scale presents unique challenges and

unrivalled opportunities to companies equipped to cross national boundaries. Set against a background of current events, the course explores the influence of international trade and multinational corporations on the contemporary global economy.

Restriction: BUSINESS 101, 111, INTBUS 201, 202

Italian

Stage I**ITALIAN 100G****15 Points****Introductory Italian Language**

Learn basic Italian language structures and communication skills, including common words and basic phrases concerning everyday life. Acquire skills of interacting verbally by asking and answering straightforward questions on familiar topics. The course is delivered through a combination of class instruction and interactive online activities. For students with no previous knowledge of Italian.

Restriction: ITALIAN 106. May not be taken if an equivalent or more advanced language acquisition course in this subject has previously been passed.

ITALIAN 106G**15 Points****Italian Language for Beginners 1**

Students learn to speak, read and write Italian, studying aspects of contemporary Italian society and thought. This course does not count towards a major in Italian. For students with no previous knowledge of Italian.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Japanese

Stage I**JAPANESE 130G****15 Points****Japanese Language 1A**

An integrated basic course in modern Japanese covering reading, writing, speaking and listening.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Korean

Stage I**KOREAN 110G****15 Points****Korean for Beginners 1**

Basic written and spoken skills in modern Korean. Through the practice of listening to and reading basic Korean sentences, fundamental grammar and vocabulary are taught so that students will be able to carry out basic conversation and comprehend simple Korean texts.

Restriction: KOREAN 100, 250. May not be taken if a more advanced language acquisition course in this subject has previously been passed

Latin

Stage I**LATIN 100G****15 Points****Introduction to Latin Language 1**

An introduction to the vocabulary and the grammar of simple sentences in Latin.

Law

Stage I**LAW 121G****15 Points****Law and Society**

An introduction to theories of the nature, functions and origins of law and legal systems, including sources of law; comparative concepts of law; an overview of constitutional and legal arrangements in New Zealand, including the role of the courts; the operation of the legal system in historical and contemporary New Zealand with a focus on concepts of property rights, the Treaty of Waitangi, Treaty Settlements and proposals for constitutional change. Note: Does not meet the General Education requirement for LLB, LLB(Hons), LLB conjoint or LLB(Hons) conjoint degrees.

Restriction: LAW 101

Linguistics

Stage I**LINGUIST 101G****15 Points****Language, Mind and Society**

A survey of three areas: the interaction between language structure and use on the one hand, and social structure and social norms on the other (sociolinguistics); the relationship between linguistic and cultural knowledge (anthropological linguistics); and the inter-relationship of language and other cognitive structures, especially as it is revealed through language acquisition (psycholinguistics).

Marine Science

Stage I**MARINE 100G****15 Points****The Oceans Around Us**

A multidisciplinary approach to understanding the importance of our oceans in terms of natural processes and human uses and values. It includes an understanding of the physical and biological processes in the ocean and how they are addressed through ocean management in New Zealand and internationally, allowing informed debate about the future of the ocean realm.

Marketing

Stage I**MKTG 151G****15 Points****Essential Marketing**

Introduces fundamental marketing ideas and skillsets. Explores the world of customer value creation and marketing communications through the eyes of marketing and creative experts. Covers current topics in marketing including digital and social media, social entrepreneurship, big data analytics, green marketing and sustainability.

Medical Science

Stage I**MEDSCI 100G****15 Points****Human Mind and Body Relationships**

Humans share with other living things the features of physical self-generation and adaptation to the environment.

Humans also live in a mental (mind) world and maintain relationships with our perceived environments. Minds and bodies mutually affect one another. This mind/body dance, which is explored in this course, is what gives rise to all of human behaviour from simple daily activities to the highest forms of creativity.

MEDSCI 101G**15 Points****Environmental Threats to Human Health**

Our environment sustains our lives but at times threatens our health. These threats may occur naturally, or arise from damage we have inflicted on the environment. This course considers health impacts of climate change, pollution, lifestyle choices, poverty and affluence, workplace hazards, emerging infectious diseases, and dangers affecting cancer risk.

Music

Stage I**MUS 144G****15 Points****Turning-points in Western Music**

A study of significant people, major discoveries and inventions, and key factors (artistic, intellectual, social, technical) that were important agents of change in Western music. No previous knowledge of music is assumed.

MUS 149G**15 Points****Rock to Reggae: Tracking Popular Music in New Zealand**

An introduction to New Zealand's home-grown popular music, from the 1950s to the present day. A broad range of musical styles will be considered and situated within various social contexts. The issue of cultural identity in music – at national and local levels – will also be explored.

Māori Studies

Stage I**MĀORI 101G****15 Points****Introduction to Written Māori**

An introduction to listening, reading, writing and translation techniques used in the composition, reading and understanding of basic Māori. Designed for students with little or no knowledge of the language, and for those with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

MĀORI 103G**15 Points****Introduction to Spoken Māori**

An introduction to spoken Māori for those with no previous knowledge of the language. Concentrates on the acquisition of aural and oral skills, developing the ability to understand and speak Māori.

Restriction: MĀORI 106. May not be taken if a more advanced language acquisition course in this subject has previously been passed

MĀORI 130G**15 Points****Te Ao Māori: The Māori World**

An introduction to Māori analyses of topics that are often discussed and sometimes controversial, and that continue to shape contemporary life in New Zealand. Topics include aspects of world view, philosophy and social organisation; the Declaration of Independence, the Treaty of Waitangi and European immigration; and contemporary issues

including Treaty claims, ownership of the foreshore and seabed and constitutional issues.

Pacific Studies

Stage I

PACIFIC 100G

15 Points

Te Moana-nui-a-Kiwa/Pacific Worlds

Introduces students to Pacific Studies and the worlds of Te Moana-nui-ā-Kiwa (The Pacific). Through the study of taonga or cultural treasures drawn from specific cultures and societies, insights into Indigenous Pacific knowledges and practices are developed. Spanning deep history and the contemporary moment, this course provides a critical understanding of change in the Pacific over time and space.

Pharmacy

Stage I

PHARMACY 111G

15 Points

Drugs and Society

The use of drugs in society including historical perspectives. Selected examples of the use of medicines in disease, recreational drug use and drug misuse, and cultural and ethnic influences on drug use. Differences between conventional and complementary medicines. The role of the pharmaceutical industry in drug discovery, manufacture and promotion. Legal and ethical issues pertaining to access to pharmaceuticals.

Philosophy

Stage I

PHIL 105G

15 Points

Critical Thinking

An introduction to reasoning, argument, and explanation that emphasises the development of practical skills and their use in everyday life. The course introduces different forms of reasoning and explains techniques to evaluate them. It will enable students to distinguish good arguments and explanations from bad ones, to explain the difference, and thereby to improve critical thinking abilities.

Physics

Stage I

PHYSICS 100G

15 Points

Models and Reality

Explore the role of models in physical science and what they contribute to our understanding of the world, and the concepts of reductionism and emergence. Topics include particle physics, materials science, and climate; and the use of models that explain dynamics of populations and artificial systems, including epidemiology, flocking in birds and fish, and the spread of information in social networks.

Population Health

Stage I

POPLHLTH 103G

15 Points

Epidemics: Black Death to Bioterrorism

Epidemics have devastated human populations and will

continue to do so. This course looks at how epidemics can run rampant through society and how we can control them. It will include examples from the past and present, as well as outline future threats. A diversity of epidemics will be covered, from the plague, gambling, depression, pandemics, nun-biting and alien abduction.

Psychology

Stage I

PSYCH 109G

15 Points

Mind, Brain and Behaviour

Topics covered may include: the nature of sensory and perceptual processes, the cause of perceptual illusions, the structure and function of the human brain, approaches to animal and human learning, models of human language and memory, and the design of psychological experiments. A laboratory component, in which students are required to participate as subjects, forms part of the course.

Russian

Stage I

RUSSIAN 100G

15 Points

Beginners' Russian 1

A beginner's course using multi-media (computer) materials that presumes no prior knowledge of Russian, with emphasis on a range of language skills –listening comprehension, speaking, reading, writing, and the essential grammar of Russian.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Samoan

Stage I

SAMOAN 101G

15 Points

Samoan Language 1

Gives students an introduction to the structure of Samoan as well as allowing them to develop basic language skills in listening, speaking, reading and writing. Designed for students with little or no knowledge of the language, and for those with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Science General

Stage I

SCIGEN 101G

15 Points

Communicating in a Knowledge Society

Effective communication is required for specialists in all fields to engage meaningfully with society. In this course students gain an understanding of the important role communication plays in a knowledge society. Through case studies and practical experience students learn about the responsibilities and skills required to communicate with a variety of audiences. They learn how to effectively manage and present data and practice oral, written, visual and electronic communication.

SCIGEN 102G**15 Points****Contemporary Science in Aotearoa New Zealand**

What does it mean to do science here and now? This course considers how knowledge of place enhances your learning, the significance of Te Tiriti o Waitangi, and how knowledge systems frame understanding. Students will think critically about the relationships between science and our environment, along with the ethics of science in practice.

Sociology**Stage I****SOCIOL 101G****15 Points****Understanding Aotearoa New Zealand**

Provides an introduction to the sociological analysis of New Zealand society. Looks at familiar events, institutions, social processes from a sociological point of view and offers ways to understand them in new and different ways. Focuses on the structure of New Zealand society and on social and political changes which affect the lives of New Zealanders and shape their society.

Spanish**Stage I****SPANISH 104G****15 Points****Beginners' Spanish 1**

Provides a solid grounding in the basic grammar and vocabulary of Spanish for beginners or near beginners, emphasising communicative competence in the present tense. Develops speaking, listening, reading and writing skills, and prepares students at the A1 Level of the Common European Framework of Reference for Languages.

Restriction: SPANISH 107. May not be taken if a more advanced language acquisition course in this subject has previously been passed

Sport Studies**Stage I****SPORT 100G****15 Points****Sport in Society**

Critically examines the socio-cultural, political and economic significance of sport within Aotearoa New Zealand. Examines how sport is embedded in the lives of people, constitutes identities, and is connected to major spheres of social life and various social issues. Through focusing on select sporting issues it analyses how New Zealanders negotiate understandings of self, ethnicity, gender, sexualities, health, and lifestyle.

Restriction: EDUC 104G

Sustainability**Stage I****SUSTAIN 100G****15 Points****Sustainability and Us**

What is sustainability? Discusses what sustainability means, and its underpinning values, history and operation within complex physical systems. Students complete a group project to develop skills in collective decision making with

a solution focus. Two sustainability issues, such as food and water, are discussed in depth.

Theological and Religious Studies**Stage I****THEOREL 101G****15 Points****The Bible and Popular Culture**

An exploration of biblical themes, images, and metaphors in contemporary film, music and cultural arts through which religion and culture intersect. It develops tools appropriate for analysing popular culture, as it moves from the local to the national to the global.

Tongan**Stage I****TONGAN 101G****15 Points****Tongan Language 1**

Gives students an introduction to the structure of Tongan as well as allowing them to develop basic language skills in listening, speaking, reading and writing. Designed for students with little or no knowledge of the language, and for those with some fluency wishing to understand simple sentence structure and composition.

Restriction: May not be taken if a more advanced language acquisition course in this subject has previously been passed

Translation Studies**Stage I****TRANSLAT 100G****15 Points****Translation for Global Citizens**

Covers the foundations of translation and interpreting as an academic discipline and as a critically important communication enabler which serves a multicultural and multilingual society. The course is designed to equip monolingual students, as well as students with language skills, with the literacy in translation and interpreting increasingly needed to navigate today's globalised world and to detect and overcome communication gaps in diverse business and private contexts.

Youth Work**Stage I****YOUTHWRK 152G****15 Points****Understanding New Zealand Youth**

Examines the concept of 'youth' and the historical, economic and political contexts in which young people live and are schooled in New Zealand society. The concept of youth is explored as a fundamental aspect of human development, identity and culture. The ways that we learn about what it is to be a young person in New Zealand today, including sport, body image, media, music, technology and social networking will be explored.

Micro-credentials

A micro-credential certifies the achievement of a specific set of skills and knowledge. Micro-credentials can be stand-alone units and can also potentially be used as credit towards a formal qualification.

COMPSCI 1000MC	Cyber Forensics and Security	15 points
COMPSCI 1001MC	Data Visualisation and Business Intelligence	15 points
COMPSCI 7000MC	Cloud Computing for Business Professionals	15 points
HLTHSCI 7000MC	Optimisation of Medicines for Older People	5 points
HLTHSCI 7001MC	Improving Wellbeing Outcomes for Pacific Families	15 points
PSYCH 1000MC	The New Science of Mind and Brain	15 points
