2024

UNIVERSITY OF CANTERBURY
Te Whare Wānanga o Waitaha
CHRISTCHURCH NEW ZEALAND

Course Catalogue

Rārangi Akoranga

2024 Rārangi Akoranga | Course Catalogue

Course information in the 2024 Rārangi Akoranga | Course Catalogue is, as far as possible, accurate up to Ākuhata | August 2023. However, course information is subject to change. Please check www.canterbury.ac.nz/courses for the latest information.

How to read a Rārangi Akoranga | Course Catalogue entry

Course code	**PHYS 399 Physics Research**			Course title
Points	15 points	0.1250 EFTS		EFTS
Course description	Study of the physics of stellar structure, Martian equations, as well as the theoretical and practical implications of cultural discourse.			
Prerequisites	P: MATH 105			
Corequisites	C: PHYS 398			
Restrictions	R: ASTR 392			
Recommended preparation	RP: PHYS 201			
Equivalent courses	EQ: ASTR 392			
Course occurrence code	**PHYS399-24SU2 (C) Summer (Nov 24)**			
Notes	*Note: Limited entry. See limitation of entry regulations.*			

The diagram above explains the components of a typical course entry (the example shown is for the purposes of illustration only and is not a real course).

Course code

The course code consists of a four-letter subject code (eg, PHYS for Physics) and a three digit number (eg, 399), the first number of which indicates the level of the course (eg, 399 = 300-level).

Course title

The course title (eg, Physics Research) provides a quick guide to the area covered by the course.

Pts: Points

This is the number of points that will be credited to your degree/ diploma/certificate if you pass the course.

EFTS

EFTS means 'equivalent full-time student'. This is the Ministry of Education's basic unit of funding to the University. The EFTS value of a course is multiplied by the appropriate fee band to determine the fees for a course. The EFTS value can also be used to a guide to workload.

Course description

The course description is a brief summary of the topics that are covered by the course.

Prerequisites

Prerequisites are the course(s) you need to pass before you can enrol in a course.

Corequisites

Corequisites are courses you must either have already passed, or be concurrently enrolled in, to enrol in a course.

Restrictions

A restriction means you cannot count both this course and any course(s) restricted against it towards your degree. Restrictions occur where two (or more) courses cover substantially the same material.

Recommended preparation

Recommended preparation (RP) includes a course (or courses) the school or department recommends you take before enrolling in a course.

Equivalent courses

Equivalent courses are courses which cover the same material but which are coded to different subjects or different qualifications.

Course occurrence code

eg, **PHYS 399-24SU2 (C) Summer (Nov24)**
The course occurrence code is made up of the course code (eg, PHYS399), the year it is being offered in (eg, 24 = 2024), a semester indicator (eg, SU2 = Summer course with a November 2023 start date) and a site indicator (eg, C = Christchurch) – see over page for a list of official course start dates and site codes. One course can have multiple occurrences.

Notes

The notes field contains any other important information which relates to the course.

Semester indicators and 2024 course start dates

Semester Indicator	Semester Description	Official course start date	Official course finish date
S1	Semester One	19 February	22 June
S2	Semester Two	15 July	9 November
W	Whole Year	19 February	9 November
CY	Cross Year	15 July	6 July 2025
B1	Bridging One	19 February	7 April
B2	Bridging Two	15 April	2 June
FY	Full Year	19 February	16 February 2025
MBA24T1	MBA One	12 February	5 May
MBA24T2	MBA Two	20 May	11 August
MBA24T3	MBA Three	26 August	17 November
YA	Full Year A	29 January	10 November
YA1	Full Year A (First Half)	29 January	23 June
YA2	Year A (Second Half)	8 July	10 November
YC	Full Year C	12 February	10 November
YC1	Year C (First Half)	12 February	23 June
YC2	Year C (Second Half)	8 July	10 November

Notes: These dates were accurate as at Ākuhata | August 2023. All dates are 2024 unless otherwise noted. Any changes will be updated on www.canterbury.ac.nz/study/keydates

Summer courses and other semester indicators

The following semesters start and finish on various dates.

Semester Indicator	Semester Description
SU1	Summer (January 2024 start)
SU2	Summer (November 2023 start)
BSU2	18 December
T1	Term One
T2	Term Two
T3	Term Three
T4	Term Four
X	General non-calendar-based
A	Any Time Start

Site codes

Code	Description
A	Christchurch, Arts Centre
C	Christchurch, on-campus
D	Distance
M	Manawa
N	Nelson

Accounting

Te Tari Kaute me te Pūnaha Pārongo | Department of Accounting and Information Systems

ACCT102 Accounting and Financial Information
15 Points 0.1250 EFTS
Students will develop an understanding of the structure and functions of general purpose financial reports from a reader's perspective. They will be introduced to current non-financial reporting issues such as the challenge of sustainability within business and society. Students will gain an introductory understanding of management accounting and business finance.

R: ACIS102, AFIS101, AFIS102, AFIS111, AFIS122, AFIS132, AFIS188.

ACCT102-24S1 (C) **Semester 1**
ACCT102-24S2 (C) **Semester 2**

ACCT103 Accounting and Taxation: An Introduction
15 Points 0.1250 EFTS
The course introduces taxation and accounting in the context of service, retail, manufacturing, tourism, farming and construction businesses. It includes the rudiments of bookkeeping and the preparation of reports about cash flows, profits and accumulating capital and wealth. It caters for accounting and taxation majors, and for entrepreneurially-minded students contemplating running their own businesses.

P: ACCT102
R: ACIS103, AFIS101, AFIS103, AFIS111, AFIS121, AFIS131

ACCT103-24S1 (C) **Semester 1**
ACCT103-24S2 (C) **Semester 2**

ACCT152 Law and Business
15 Points 0.1250 EFTS
An introduction to the legal environment of business in New Zealand including the Treaty of Waitangi and the Bill of Rights, and concepts of contract, tort, trusts, property and law of principal and agent.

R: ACIS152, AFIS151, AFIS152

ACCT152-24S1 (C) **Semester 1**

ACCT211 Financial Accounting
15 Points 0.1250 EFTS
The course develops further understanding of financial accounting issues for companies and other entities in their New Zealand and international context. Topics include: the NZ regulatory environment; profit determination; presentation of financial statements including group accounts; current issues in financial accounting.

P: ACCT102 and ACCT103
R: ACIS211, AFIS211

ACCT211-24S2 (C) **Semester 2**

ACCT222 Management Accounting
15 Points 0.1250 EFTS
An introduction to contemporary management accounting theory and practice. Topics include: planning and budgeting; cost management; decision-making; performance measurement and evaluation; and strategic management accounting.

P: ACCT102
R: ACIS222, AFIS222
EQ: ACIS222, AFIS222

ACCT222-24S1 (C) **Semester 1**

ACCT252 Law of Business Contracts
15 Points 0.1250 EFTS
This course considers the general principles of contract law and the concepts of consumer law.

P: ACCT152 or LAWS101
R: ACIS252, AFIS151, AFIS252, LAWS203.

ACCT252-24S2 (C) **Semester 2**

ACCT254 Taxation
15 Points 0.1250 EFTS
The general principles of taxation. Topics include: principles of residence and source, the taxation of income from employment, personal property sales, deductions, depreciation, leases and trading stock and the dispute resolution process. The course will provide a working knowledge of income tax, GST, and FBT.

P: ACCT103
C: ACCT152 or LAWS101
R: ACIS254, AFIS254
EQ: ACIS254

ACCT254-24S1 (C) **Semester 1**

ACCT256 Law of Business Organisations
15 Points 0.1250 EFTS
This course considers aspects of the law relating to companies, partnerships and other trading structures and provides an introduction to personal and corporate insolvency law.

P: ACCT152 or LAWS101
R: AFIS253, ACIS256, AFIS256, LAWS305, LAWS312

ACCT256-24S2 (C) **Semester 2**

ACCT311 Financial Accounting: Theory & Practice
15 Points 0.1250 EFTS
How is financial accounting information created and communicated? What purposes does it serve? Who uses the information and how? What are the roles of theory and practice in this process? How do agents influence this process and what are their motives? - The course explores topics such as standard setting, accounting allocations, wealth creation, revenue recognition, equity valuation and bankruptcy prediction. The topics follow matters that have been debated for some time and which remain central to financial accounting discourse. The objective of the course is for students to be able to demonstrate advanced knowledge of these contemporary accounting issues and challenges.

P: ACCT211
R: AFIS301, ACIS311, AFIS311, AFIS501.

ACCT311-24S1 (C) **Semester 1**

ACCT312 Advanced Financial Accounting
15 Points 0.1250 EFTS
Develops advanced understanding and abilities in aspects of financial accounting, including financial instruments, tax effect accounting and foreign exchange.

P: ACCT211
R: ACIS312, AFIS301, AFIS312, AFIS501.

ACCT312-23SU2 (C) **Summer (Nov 23)**
ACCT312-24S2 (C) **Semester 2**

ACCT316 Public Management and Governance
15 Points 0.1250 EFTS

P: Any 45 points at 200-level or above.
R: ACIS316, AFIS316, AFIS516, POLS316
EQ: ACIS316, and AFIS316

ACCT316-24S1 (C) **Semester 1**

ACCT332 Advanced Management Accounting
15 Points 0.1250 EFTS
Develops advanced understanding of the application of management accounting to complex problems. Explores issues in strategic management, costing systems, control systems and performance management. Builds communication, critical thinking and managerial skills.

P: ACCT222 and ACCT103
R: ACIS332, AFIS332, AFIS322, AFIS522

ACCT332-24S2 (C) **Semester 2**

ACCT340 Social and Environmental Reporting
15 Points 0.1250 EFTS
A study of forms of non-financial accounting; possibilities and limitations; philosophies behind different accounts - especially sustainability accounts and intellectual capital statements; reasons for non-financial accounting; problems such accounts can contribute to solve.

P: Any 45 points at 200-level or above.
R: ACIS340, AFIS340

ACCT340-24S2 (C) **Semester 2**

ACCT341 Public Accounting and Finance
15 Points 0.1250 EFTS
This course empowers students to explore such fundamental questions and issues as what governments, central and local, do do and should do with the hundreds of billions of dollars they levy and borrow from or charge you and everyone else paying taxes or using services in Aotearoa New Zealand, not to mention other sovereign states. Besides that, the course examines the roles and practices of accounting and finance among political, official and professional persons involved in governmental organisations in such policy areas as education, health and welfare, conservation, security, and institutional, material, economic and social infrastructure.

P: Any 45 points at 200-level or above.
R: ACIS341, AFIS341
EQ: ACIS341

ACCT341-24S2 (C) **Semester 2**

ACCT346 Auditing
15 Points 0.1250 EFTS
The need for and the nature of auditing; knowledge base about audit theory and method; skills needed for the practice of auditing; issues confronting the auditing profession.

P: INFO123 and ACCT211.
R: ACIS346, AFIS306, AFIS346, AFIS506.
RP: INFO243

ACCT346-24S1 (C) **Semester 1**

ACCT356 Advanced Auditing
15 Points 0.1250 EFTS
A study of advanced topics and contemporary issues in auditing, such as audit data analytics, fraud auditing, and the roles of professional judgement and scepticism.
P: ACCT346
R: ACIS356, AFIS306, AFIS356, AFIS506.
ACCT356-24S2 (C) **Semester 2**

ACCT358 Advanced Taxation
15 Points 0.1250 EFTS
This course considers the interpretation of legislation; tax planning, tax avoidance and tax evasion; tax investigations and dispute resolution; tax penalties; ethics; international taxation; and company taxation.
P: (1) ACCT152 or LAWS101; and (2) ACCT254 OR LAWS352
R: ACIS358, ACIS354
ACCT358-24S1 (C) **Semester 1**

ACCT359 Further Issues in Advanced Taxation
15 Points 0.1250 EFTS
This course includes consideration of tax compliance; business and tax ethics; tax policy; international taxation; and an introduction to the charities sector (and other taxation issues) in New Zealand.
P: ACCT358
R: ACIS359, ACIS354
EQ: ACIS359
ACCT359-24S2 (C) **Semester 2**

ACCT390 Accounting Internship
15 Points 0.1250 EFTS
An accounting internship involving real world work experience that enables the (further) development and application of knowledge and/or expertise in accounting related subjects; problem solving; reflection; synthesis; and communication skills.
P: (1) At least 60 points in 200 level ACCT courses (2) Subject to Head of Department Approval
R: ACCT364, ECON390, FINC390, MKTG390, INFO390
ACCT390-24S1 (C) **Semester 1**
ACCT390-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ACCT614 Research Methodology and Epistemology
30 Points 0.2500 EFTS
ACCT614 seeks to provide students with a thorough introduction to the principal assumptions that underpin the development of research ideas in accounting, information systems and related disciplines. More particularly, it seeks to expose students to the theoretical and philosophical foundations of knowledge and reality. You will also be introduced to both quantitative and qualitative research methods.
P: Subject to approval of the Head of Department.
R: ACIS614, AFIS614, INFO614
ACCT614-24S1 (C) **Semester 1**
ACCT614-24S2 (C) **Semester 2**

ACCT623 Management Accounting Research
15 Points 0.1250 EFTS
The course examines current issues in management accounting research.
P: Subject to approval of the Head of Department.
R: ACIS623, AFIS623
ACCT623-24S2 (C) **Semester 2**

ACCT624 Corporate Governance
15 Points 0.1250 EFTS
Corporate governance theory and practice. Topics include: Corporate governance in New Zealand, Australia, and around the world; Theories of corporate governance; The board of directors and its committees; Director and executive remuneration; Corporate governance scandals; and Stakeholders.
P: Subject to approval of the Head of Department.
R: FINC611, FINC650, ACIS624
EQ: FINC611
ACCT624-24S2 (C) **Semester 2**

ACCT626 Advanced Issues in Tax Compliance
15 Points 0.1250 EFTS
The objective of this course is to give a critical examination of advanced aspects of taxation theory, law, and practice from a tax compliance perspective. The course draws upon theories and research techniques from accounting and other disciplines, including economics, law, psychology, and sociology.
P: Subject to approval of the Head of Department.
R: ACIS626, AFIS626
ACCT626-24S1 (C) **Semester 1**

ACCT634 Contemporary Issues in Taxation
15 Points 0.1250 EFTS
The objectives of this course are to critically explore current issues in taxation; to consider some of the primary theoretical frameworks used in tax research; and to investigate global approaches to important tax issues.
P: Subject to approval of the Head of Department
R: ACIS634
ACCT634-24S2 (C) **Semester 2**

ACCT635 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department
ACCT635-24S1 (C) **Semester 1**

ACCT648 Contemporary Issues in Financial Accounting
15 Points 0.1250 EFTS
The course will engage students in analysis of a wide range of contemporary issues in financial accounting and financial reporting. At the conclusion of the course, students will have acquired a deeper and more critical appreciation of the corpus of contemporary financial accounting thought and practice.
P: Subject to approval of the Head of Department
R: ACIS648
ACCT648-24S1 (C) **Semester 1**

ACCT680 Research Project
30 Points 0.2500 EFTS
This course is one of individual study under personal supervision. It entails carrying out research over a seven month period, and writing a report about how and why the research was conducted, what was found and the implications of these findings. The course is designed for students completing the B.Com(Hons) degree in Accounting or Taxation and Accounting.
P: Subject to approval of the Head of Department
R: ACIS680, AFIS680, INFO680
ACCT680-24A (C) **Starts Anytime**
ACCT680-24W (C) **Whole Year (S1 and S2)**

ACCT690 MCom Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
R: ACIS690, AFIS690
ACCT690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ACCT694 MCom Thesis
90 Points 0.7500 EFTS
P: Subject to approval of the Head of Department
ACCT694-24A (C) **Starts Anytime**

ACCT790 Accounting PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
R: ACIS790, AFIS790
ACCT790-24A (C) **Starts Anytime**
ACCT790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Antarctic Studies

Te Kura Aronukurangi | School of Earth and Environment

ANTA101 Antarctica
15 Points 0.1250 EFTS
This introductory course explores the Antarctic continent and the Southern Ocean. It aims to develop an understanding of the relevance of the polar regions to current issues such as climate change, environmental management, and living resource conservation and protection. The content of the course will be a combination of ANTA102 and ANTA103. The course will be delivered entirely online through LEARN, which will allow students flexibility as to when they view the lectures.
R: INCO103, ANTA102 and ANTA103, ANTA112 and ANTA113
ANTA101-23SU2 (D) **Summer (Nov 23)**

ANTA102 Antarctica: The Cold Continent
15 Points 0.1250 EFTS
This introductory course explores the evolution of the Antarctic continent, the dynamics of polar ice, the drivers of weather and climate in Antarctica, the circulation of the Southern Ocean, astronomy and human interaction with the polar region including the history of exploration and intriguing legal issues.
ANTA102-24S1 (C) **Semester 1**

ANTA201 Antarctica and Global Change
15 Points 0.1250 EFTS
This course provides a multidisciplinary approach to understanding how Antarctica will be affected by global change. It takes a Science System approach and investigates the linkages between the Antarctic atmosphere, cryosphere, lithosphere and biosphere.
P: 30 points from 100-level Antarctic Studies, Biology, Geography or Geology courses
ANTA201-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ANTA403 Independent Course of Study: Antarctic Studies Research Skills
30 Points 0.2500 EFTS
This Independent Course of Study (ICOS) offers students the opportunity to develop their research and writing skills with relevance to the Antarctic social sciences and humanities scholarship and with a particular focus on a supervised critical literature review and a research design/methods paper as major pieces of assessment.
P: Subject to approval of the Head of Department.
ANTA403-24A (C) **Starts Anytime**

ANTA601 Antarctica: Contemporary Issues, Perspectives
15 Points 0.1250 EFTS
A critical examination of the major scientific and environmental themes and contemporary issues facing Antarctica and the Southern Ocean. This course will be taught as an intensive summer school, and will include lectures, workshops, seminars, syndicate work, and Christchurch-based field work. This course will be offered in November. ANTA601 is one of the four compulsory courses (ANTA601-604), which make up the Postgraduate Certificate in Antarctic Studies.
P: Subject to approval of the Head of Department.
R: ANTA501
EQ: ANTA501
ANTA601-23SU2 (C) **Summer (Nov 23)**
Limited entry. See limitation of entry regulations.

ANTA607 Introduction to Antarctic Studies and Research
30 Points 0.2500 EFTS
A major written literature review and project report on an approved topic relating to Antarctica and the Southern Ocean as appropriate, including the analysis of newly acquired or available data or information. Projects on offer, along with pre-requisites, will be made available at least a month prior to the PCAS/MASt course application deadline and students will be encouraged to contact a potential supervisor to assist in identifying a good match between supervisors' and supervisees' skillsets. The literature study will start at enrolment into the course. Project allocations will have to be approved by supervisors, and students will need to make contact with the project supervisor prior to the commencement of the course. Practical components, data analysis, and field experiments may be related to ANTA603 (Antarctic field work) in some cases, but, this will need to be discussed with the course coordinator and project supervisor at an early stage. All projects will be expandable into a MASt dissertation topic if agreed with the relevant project supervisor.
P: Subject to approval of the Head of Department.
R: ANTA602 and ANTA604
ANTA607-23SU2 (C) **Summer (Nov 23)**

ANTA608 Antarctic Community Placements
15 Points 0.1250 EFTS
This course allows Antarctic Studies students to apply their discipline specific skills within business, government, industry, iwi or non-profit organisations while gaining real world experience.
P: Subject to approval of Tumaki Kura | Head of School.
R: ANTA603
ANTA608-23SU2 (C) **Summer (Nov 23)**
ANTA608-24A (C) **Starts Anytime**
Limited entry. See limitation of entry regulations.

ANTA691 Dissertation
90 Points 0.7500 EFTS
A dissertation in Antarctic Studies
P: 60 points (ANTA601; ANTA602; ANTA603; ANTA604)
ANTA691-24A (C) **Starts Anytime**

ANTA790 Antarctic Studies PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ANTA790-24A (C) **Starts Anytime**
ANTA790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Anthropology

Language, Social and Political Sciences

ANTH105 Human Evolution
15 Points 0.1250 EFTS
This course is an introduction to the biological, behavioural, and cultural evolution of hominids from the earliest evidence to the emergence of the Neolithic revolution. Students will be introduced to the fundamentals of evolutionary theory, paleoanthropology, archaeology and physical anthropology. Up-to-date knowledge about how we have become what we are today, and how such knowledge has been produced in academic research will be presented. By examining the human past, students will develop an understanding human universals and sociocultural variation, which enables us to develop a deeper bicultural understanding of Aotearoa New Zealand today.
ANTH105-24S2 (C) **Semester 2**
ANTH105-24S2 (D) **Semester 2**

ANTH108 Witchcraft, Magic and The Dead
15 Points 0.1250 EFTS
This course aims to challenge taken-for-granted assumptions about witchcraft, magic and the dead, as well as introducing students to key anthropological concerns such as ritual, symbolism and religion.
ANTH108-24S1 (C) **Semester 1**
ANTH108-24S1 (D) **Semester 1**

ANTH202 Politics, Power and Capitalism
15 Points 0.1250 EFTS
This course poses fundamental questions about the domain of "the political" in relation to interest, influence, and power. It applies these concerns to the dominant social, political, and economic system of our times - capitalism. Concerned with its historical and geographical spread, its ideological manifestations, its crises, and its oppositional movements, it introduces students to critical ethnographies that explore issues of wealth and inequality, protest and control, and the role of military, technological, and economic power in contemporary societies.
P: Any 15 points at 100 level from ANTH or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: ANTH302
ANTH202-24S1 (C) **Semester 1**

ANTH212 Kinship and Family in Comparative Perspective
15 Points 0.1250 EFTS
This course is designed to help students understand the importance of kinship and family in human societies and appreciate the complexities and variation in how kinship and family are conceptualized and practised in different cultures. In this course, we will discuss classic and contemporary case studies of kinship and family in cultures and societies around the world, including Africa, China, Europe, the United States, and the Pacific area (including New Zealand), to list just a few. In examining these cases and case studies, we will probe the issues of biology and culture, personhood and subjectivity, and structure and human agency in varied ways of conceptualizing and practising kinship in different cultures. This course also covers comprehensive knowledge of historical and contemporary theories and methods in kinship and family studies to help students develop critical perspectives on how kinship and family are practised in contemporary life.
P: Any 15 points at 100 level from ANTH or SOCI or any 60 points at 100 level from the Schedule V of the BA.
R: ANTH312
ANTH212-24S1 (C) **Semester 1**

ANTH213 Environment, Development and Sustainability: Anthropological Perspectives

15 Points 0.1250 EFTS

This course is concerned with the social and ecological impacts of human activity in the context of a global fossil fuel civilization. Investigating problems of climate change, declining biodiversity, and environmental degradation, it provides an anthropologically informed perspective on crucial issues at the intersection of ecology, sustainable development, and social activism.

P: Any 15 points at 100 level from ANTH, GEOG, or SOCI, or 60 points at 100 level from the Schedule V of the BA.
R: ANTH313

ANTH213-24S1 (C) **Semester 1**

ANTH219 Cultures on the Screen

15 Points 0.1250 EFTS

This course examines how cultures are represented via visual media both by anthropologists and non-Anthropologists. Using films and other visual media, accompanied by assigned readings, this course will help students understand problems and challenges associated with visual representation of cultures from anthropological perspectives.

P: Any 15 points at 100 level from ANTH, HIST, MAOR, CINE, or SOCI, or 60 points at 100 level from the Schedule V of the BA.
R: ANTH319

ANTH219-24S1 (C) **Semester 1**

ANTH223 Ethnicity, Racism and Genocide

15 Points 0.1250 EFTS

This course provides a critical introduction to the historical and anthropological study of ethnicity, racism, genocide and migration.

P: Any 15 points at 100 level from ANTH, HIST, MAOR, or SOCI, or 60 points at 100 level from the Schedule V of the BA.
R: HIST283, MAOR230, PACS204, SOCI223
EQ: HIST283, MAOR230, PACS204

ANTH223-24S2 (C) **Semester 2**

ANTH250 Travel, Tourism and Pilgrimage

15 Points 0.1250 EFTS

The course introduces students to Sociological and Anthropological approaches to travel and tourism. Through the study of topics such as travel literature, Indigenous tourism, tourism and development, sex tourism and 'dark' tourism, it examines the way in which notions of the cultural 'self' and cultural 'others' have been both forged and sustained within various sorts of tourist encounter.

P: Any 15 points at 100 level from ANTH or SOCI or any 60 points at 100 level from the Schedule V of the BA.
R: ANTH350, SOCI275, SOCI375
EQ: SOCI275

ANTH250-24S2 (C) **Semester 2**

ANTH298 Religion and Society: Why God Won't Die

15 Points 0.1250 EFTS

This course is an introduction to the Sociology & Anthropology of religion focused on thinking and rethinking religion, culture & society. Central to the discussion is why god and religion has not disappeared as was predicted in much modern social theory. In considering this question, the course provides a critical discussion of the ways religion, god and religious practices have been thought, dismissed and applied over the past 150 years within the Sociology & Anthropology of Religion.

P: Any 15 points at 100 level from ANTH or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: SOCI278, SOCI292, SOCI392 in 2012
EQ: SOCI278

ANTH298-24S1 (C) **Semester 1**

ANTH301 Doing Ethnography: Concepts and Practices

30 Points 0.2500 EFTS

Ethnography is a research procedure central to the discipline of anthropology. It has also become an essential research method for many other fields in social sciences and humanities. This course aims at helping students understand the basic principles and praxis of ethnography. For this purpose, this course is designed as a combination of both theory and practice. Through lectures and assigned readings, this course addresses theoretical reflections by scholars on the epistemological, political and ethical implications of ethnography. This course also has a mock ethnographic project in which students work through major steps of doing ethnography.

P: Any 30 points at 200 level from ANTH or SOCI, or any 60 points at 200 level from the Schedule V of the BA.

ANTH301-24S2 (C) **Semester 2**

ANTH302 Politics, Power and Capitalism

30 Points 0.2500 EFTS

This course poses fundamental questions about the domain of "the political" in relation to interest, influence, and power. It applies these concerns to the dominant social, political, and economic system of our times - capitalism. Concerned with its historical and geographical spread, its ideological manifestations, its crises, and its oppositional movements, it introduces students to critical ethnographies that explore issues of wealth and inequality, protest and control, and the role of military, technological, and economic power in contemporary societies.

P: Any 30 points at 200 level from ANTH or SOCI, or any 60 points at 200 level from the Schedule V of the BA.
R: ANTH202

ANTH302-24S1 (C) **Semester 1**

ANTH312 Kinship and Family in Comparative Perspective

30 Points 0.2500 EFTS

This course is designed to help students understand the importance of kinship and family in human societies and appreciate the complexities and variation in how kinship and family are conceptualized and practised in different cultures. In this course, we will discuss classic and contemporary case studies of kinship and family in cultures and societies around the world, including Africa, China, Europe, the United States, and the Pacific area (including New Zealand), to list just a few. In examining these cases and case studies, we will probe the issues of biology and culture, personhood and subjectivity, and structure and human agency in varied ways of conceptualizing and practising kinship in different cultures. This course also covers comprehensive knowledge of historical and contemporary theories and methods in kinship and family studies to help students develop critical perspectives on how kinship and family are practised in contemporary life.

P: Any 30 points at 200 level from ANTH or SOCI, or any 60 points at 200 level from the Schedule V of the BA.
R: ANTH212, GEND218, GEND318, SOCI212, SOCI312

ANTH312-24S1 (C) **Semester 1**

ANTH313 Environment, Development and Sustainability: Anthropological Perspectives

30 Points 0.2500 EFTS

This course is concerned with the social and ecological impacts of human activity in the context of a global fossil fuel civilization. Investigating problems of climate change, declining biodiversity, and environmental degradation, it provides an anthropologically informed perspective on crucial issues at the intersection of ecology, sustainable development, and social activism.

P: Any 30 points at 200 level from ANTH, GEOG, or SOCI, or any 60 points at 200 level from the Schedule V of the BA.
R: ANTH213

ANTH313-24S1 (C) **Semester 1**

ANTH319 Cultures on the Screen

30 Points 0.2500 EFTS

This course examines how cultures are represented via visual media both by anthropologists and non-anthropologists. Using films and other visual media, accompanied by assigned readings, this course will help students understand problems and challenges associated with visual representation of cultures from anthropological perspectives.

P: Any 30 points at 200 level from ANTH, or any 60 points at 200 level from the Schedule V of the BA.
R: ANTH219

ANTH319-24S1 (C) **Semester 1**

ANTH350 Travel, Tourism and Pilgrimage

30 Points 0.2500 EFTS

The course introduces students to Sociological and Anthropological approaches to travel and tourism. Through the study of topics such as travel literature, Indigenous tourism, tourism and development, sex tourism and 'dark' tourism, it examines the way in which notions of the cultural 'self' and cultural 'others' have been both forged and sustained within various sorts of tourist encounter.

P: Any 30 points at 200 level from ANTH or SOCI, or any 60 points at 200 level from the Schedule V of the BA.
R: ANTH250, SOCI275, SOCI375
EQ: SOCI375

ANTH350-24S2 (C) **Semester 2**

ANTH388 Contested Heritage: Politics, Power and Practice

30 Points 0.2500 EFTS

This course provides students with a hands-on introduction to the study of heritage. We explore ways we might understand and interpret contemporary heritage practices in a range of contexts, including post-earthquake Christchurch.

P: Any 30 points at 200 level from ANTH or SOCI, or any 60 points at 200 level from the Schedule V of the BA.
R: SOCI388, HIST372
EQ: HIST372

ANTH388-24S2 (A) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ANTH401 Supervised Research
30 Points 0.2500 EFTS

This course intends to give students real-world experience in ethnographic research. Supervised by an academic staff, each student will go through the major steps of ethnographic research and complete a final report (mini-dissertation) in the end. By completing this research, students are expected to acquire essential skills in doing ethnographic research, which are important for their future study or career. This course is also designed in a way to help students progress smoothly into research at MA or PhD levels.

P: Subject to approval of the Head of Department.

ANTH401-24S2 (C) **Semester 2**

ANTH402 Theory in Contemporary Anthropology: Issues & Debates
30 Points 0.2500 EFTS

This course addresses selected, current issues and debates of a theoretical, methodological and interpretative nature. We will explore the premises of anthropological discourse and question central conceptual tools of the discipline, identifying biases inscribed into these approaches. This course is designed to give students a solid theoretical foundation for understanding social and cultural issues from an anthropological perspectives and for conducting their future research.

P: Subject to approval of the Head of Department.

ANTH402-24S1 (C) **Semester 1**

ANTH650 MA Dissertation
60 Points 0.5000 EFTS

MA Dissertation

P: Subject to approval of the Head of Department.

ANTH650-24S1 (C) **Semester 1**

ANTH650-24S2 (C) **Semester 2**

Part-time enrolment (0.65 EFTS) is available on approval.

ANTH690 MA Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

ANTH690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

ANTH790 Anthropology PhD
120 Points 1.0000 EFTS

P: Subject to approval of the Anthropology Programme Director.

ANTH790-24A (C) **Starts Anytime**

ANTH790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Applied Psychology

Te Kura Mahi ā-Hirikapo | School of Psychology, Speech and Hearing

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

APSY612 Performance Management and Appraisal
15 Points 0.1250 EFTS

This course will focus on the theory and application of performance management research. Considerable attention will be given to the development of performance management systems in organisations. Topics such as criterion theory and development, performance appraisal methods, feedback, job evaluation and reward systems will be discussed.

P: Entry is subject to approval of the Head of Department

APSY612-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

APSY613 Special Topic
15 Points 0.1250 EFTS

Direct enquiries in MSc in Applied Psychology Coordinator(s)

P: Entry subject to approval of the Head of Department

APSY613-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

APSY617 Industrial and Organisational Psychology Measurement Issues
15 Points 0.1250 EFTS

The objective of this course is to introduce and expand on measurement issues relevant within the field of Industrial and Organisational Psychology. Particular emphasis is placed on scale development, reliability analysis, validity assessment techniques, common method variance Issues, measurement bias issues, design issues, classical test theory. Critical thinking, relation of theory to practice, as well as reflection, both oral and written, will be strongly emphasized.

P: Subject to approval of the Head of Department

APSY617-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

APSY618 Organisational Change: Directions for I/O Psychology Practice
15 Points 0.1250 EFTS

The first course objective is to familiarise the students with psychological frameworks and research that inform organisational change planning and implementation. The second course objective is to provide students with the knowledge and competencies to: a) critically analyse organisational change practices, b) identify the main challenges faced by change leaders and employees, and c) support and facilitate organisational change implementation as I/O practitioners. Topics covered include psychological mechanisms of change resistance and readiness, change leadership, change needs assessment and evaluation, and socio-cultural contingencies.

P: Subject to approval of the Head of Department.

APSY618-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

APSY619 Psychology of Stress, Health, and Wellbeing at Work
15 Points 0.1250 EFTS

This course focuses on stress, health, and wellbeing at work. The course will provide an overview of recent research on how to create psychologically healthy workplaces. It provides students with a framework for analysing how stress, health, and wellbeing at work impact on individuals and organisations. The course also focuses on how I/O psychology can contribute to solving problems related to stress, health, and wellbeing at work. Critical thinking, relating theory to practice, and relating new concepts to old theories, as well as critical reflection and discussion, both oral and written, will be strongly emphasised.

P: Subject to approval of the Head of Department

APSY619-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

APSY620 Special Topic
15 Points 0.1250 EFTS

Special Topic

P: Subject to approval of the Head of Department.

APSY620-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations

APSY621 Special Topic
15 Points 0.1250 EFTS

Special Topic

P: Subject to approval of the Head of Department

APSY621-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

APSY622 The Psychology of Leadership in Organisations
15 Points 0.1250 EFTS

The main objective of this course is to familiarise the students with the content domain of Leadership in organisations. A historic overview of the main Leadership theories is provided and integrated with contemporary research. These theories are also discussed in relation to their application to current challenges and as opportunities for leaders and employees to engage with leadership development.

P: Entry is subject to Head of School approval
R: APSY614

APSY622-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

APSY623 The Psychology of Motivation in Organisations
15 Points 0.1250 EFTS

The main objective of this course is to familiarise the students with the content domain of Motivation in organisations. A historic overview of the main Motivation theories is provided and integrated with contemporary research. These theories are also discussed in relation to their application to current organisational challenges, such as ensuring worker engagement, sense of purpose, and identity at work in both traditional and emerging ways of organising.

P: Subject to approval of the Head of Department.
R: APSY614

APSY623-24S2 (C) **Semester 2**

APSY660 Dissertation
90 Points 0.7500 EFTS
A supervised research dissertation. Candidates enrolled for APSY660 Dissertation must present a dissertation to the Postgraduate Office no later than 1 February of the year following enrolment in the course.

P: Subject to the approval of the Head of Department.

APSY660-24A (C) **Starts Anytime**

Limited entry. See limitation of entry regulations.

APSY790 Applied Psychology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department

APSY790-24A (C) **Starts Anytime**

APSY790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Architectural Engineering

Te Tari Pūhanga Metarahi, Rawa Taiao | Department of Civil and Natural Resources Engineering

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENAE601 Whole Building Behaviour and Performance
15 Points 0.1250 EFTS
Building performance and its relationship to design, construction, occupant behaviour and the environment. Building performance regulations and the regulatory environment. Failure, success and value of building projects. Building performance assessment. Roles and responsibilities and liabilities. Collaboration and communication with project stakeholders.

P: Subject to approval of the Head of Department

ENAE601-24X1 (C)

ENAE601-24X2 (C)

ENAE602 Collaborative Building Design Studio
15 Points 0.1250 EFTS
Collaborative design of buildings and the use of digital tools. Creativity, communication and coordination in multidisciplinary design teams. Building information modelling strategies. Holistic approaches to building design.

P: Subject to approval of the Head of Department.

ENAE602-24X1 (C)

ENAE602-24X2 (C)

ENAE603 Structural Design Practice
15 Points 0.1250 EFTS
Application of structural engineering principles and methods to the professional practice of structural design. Initiating and managing structural design projects. Concept, preliminary and developed structural design. Detailing and design for construction. Design for safety and sustainability.

P: Subject to approval of the Head of Department

ENAE603-24X2 (C)

ENAE603-24X (C) **05 Aug 2024 - 06 Oct 2024**

ENAE604 Structural Assessment and Retrofit
15 Points 0.1250 EFTS
Structural damage and deterioration forensics. Seismic assessment procedures. Strengthening and structural retrofit design strategies and practice. Case studies of damaged and undamaged residential, commercial and industrial buildings.

P: Subject to approval of the Head of Department

ENAE604-24X (C) **30 Sep 2024 - 08 Dec 2024**

ENAE605 Sustainable Building Design Practice
15 Points 0.1250 EFTS
Sustainable building design philosophy, strategies and practice. Materials, water, airflow and energy in buildings. High-performance, low energy buildings. Building performance simulation. Coordination and integration with other building design disciplines.

P: Subject to approval of the Head of Department

ENAE605-24X (C) **05 Aug 2024 - 06 Oct 2024**

ENAE606 Building Modelling and Integrated Design
15 Points 0.1250 EFTS
Digital methods for modelling, designing, simulating and visualising buildings. Application of digital methods for developing integrated solutions to complex building design and construction challenges.

P: Subject to approval of the Head of Department

ENAE606-24X (C) **30 Sep 2024 - 08 Dec 2024**

ENAE607 Building Energy Systems Design Practice
15 Points 0.1250 EFTS
This course applies energy engineering principles and design methods to the professional practice of building energy system design. The course covers process and technical aspects of designing efficient and sustainable energy systems for buildings at various phases of a building project; project initiation, concept and preliminary design, and developed and detailed design. Learning includes design projects and case studies.

P: Subject to approval of the Head of Department.

ENAE607-24X (C) **30 Sep 2024 - 08 Dec 2024**

ENAE608 HVAC Design Practice
15 Points 0.1250 EFTS
This course applies engineering principles and design methods related to heating, ventilating, and air conditioning (HVAC) to the professional practice of building services design. The course covers process and technical aspects of HVAC systems design at the various phases of a building project; project initiation, concept and preliminary design, developed and detailed design, and commissioning. Learning includes design projects and case studies.

P: Subject to approval of the Head of Department.

ENAE608-24X (C) **05 Aug 2024 - 06 Oct 2024**

ENAE609 Building Envelope Design and Engineering
15 Points 0.1250 EFTS
Building envelope design philosophy, strategies and practice. Heat, light and airflow through envelopes. Form, function, performance and value of facades. High-performance envelopes for resilient and sustainable buildings.

P: Subject to approval of the Head of Department

ENAE609-24X (C) **01 Apr 2024 - 09 June 2024**

ENAE610 Building Sustainability Assessment
15 Points 0.1250 EFTS
Building sustainability performance metrics. Modelling, measurement and survey methods for sustainability assessment and rating of buildings. Design, management and operational strategies for improving building sustainability.

P: Subject to approval of the Head of Department

ENAE610-24X (C) **01 Apr 2024 - 09 June 2024**

ENAE620 Integrated Building Design Project
15 Points 0.1250 EFTS
Research for innovative building designs. Case studies of integrated building design solutions. Individual and team research and design projects.

P: Subject to approval of the Head of Department

ENAE620-24X1 (C)

ENAE620-24X2 (C)

Art Curatorship

School of Humanities

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ARTC401 Practicum
30 Points 0.2500 EFTS
This course provides students with practical experience of working for a museum, gallery, library or archive-related institution, under the supervision of a staff member there.

P: Subject to approval of the Head of Department.

ARTC401-24A (C) **Starts Anytime**

ARTC401-24S1 (C) **Semester 1**

ARTC401-24S2 (C) **Semester 2**

ARTC402 Never Neutral: Museums in Context
30 Points 0.2500 EFTS
A critical exploration of the history and theory of museums, examining some of the political and social contexts that determine their development, and the meanings and narratives constructed through practices of collecting and display.

P: Subject to approval of the Head of Department.
R: ARTH417, CULT406
EQ: ARTH417

ARTC402-24S1 (C) **Semester 1**

ARTC404 Special Project
30 Points 0.2500 EFTS
The Special Project allows students to explore a topic associated with curatorial studies in depth, while working under the supervision of a member of academic staff.
P: Subject to approval of the Head of Department.
ARTC404-24A (C) **Starts Anytime**
ARTC404-24S1 (C) **Semester 1**
ARTC404-24S2 (C) **Semester 2**

Art History and Theory

School of Humanities

ARTH103 'Picasso who?' Introducing Modern Art
15 Points 0.1250 EFTS
What makes modern art modern? This course covers all you've always wanted to know about modern art and never dared asking. This course offers a general introduction to modern art from 1850 to 1945. It examines key art movements from Impressionism to Surrealism in their cultural and social contexts while introducing you to art historical methodologies and key art theories.
ARTH103-23SU2 (D) **Summer (Nov 23)**

ARTH111 Contextualising Art: An Introduction to Art Theory
15 Points 0.1250 EFTS
A study of theories of art through central texts, from the 18th century to the present day.
R: ARTT101
ARTH111-24S2 (C) **Semester 2**

ARTH112 Art and Things: introduction to Art History and Material Culture
15 Points 0.1250 EFTS
This is an integrated introduction to Art History and Material Culture, providing you with an up-to-date, varied and critical 'toolkit' for thinking about art, architecture and objects. The discipline of Art History has a history of its own, and as you will see, this distorts what we understand about art and about 'things'.
ARTH112-24S1 (C) **Semester 1**

ARTH210 Japanese Art
15 Points 0.1250 EFTS
This course presents an introduction to the arts of Japan, with a particular focus on the art of the fifteenth and sixteenth centuries.
P: Any 15 points at 100 level from ARTH, or 60 points at 100 level from the Schedule V of the BA.
ARTH210-24S1 (C) **Semester 1**

ARTH215 International Contemporary Art 1945-2000
15 Points 0.1250 EFTS
This course provides an introduction to international contemporary art, focusing on developments in Europe, the USA and Aotearoa New Zealand between 1945-2000. After looking at mid-twentieth-century tendencies such as Minimalism, Conceptual Art and Land Art, the course turns to consider some of the broader trajectories of contemporary art practice and criticism in the late twentieth and early twenty-first centuries.
P: Any 15 points at 100 level from ARTH, or 60 points at 100 level from the Schedule V of the BA.
R: ARTT102, ARTH109
ARTH215-24S2 (C) **Semester 2**

ARTH304 He Kōrero Toi Whiriwhiria: Indigenous Art
30 Points 0.2500 EFTS
An exploration of Indigenous art, including Māori, relating to practice and theory within such institutions as marae, art galleries, museums, and classrooms.
P: Any 30 points at 200 level from ARTH, or any 60 points at 200 level from the Schedule V of the BA or from the BFA.
ARTH304-23SU2 (C) **Summer (Nov 23)**

ARTH328 Art of the Floating World
30 Points 0.2500 EFTS
This course studies ukiyo-e, Art of the Floating World, which was produced in Japan from the seventeenth century to the nineteenth century.
P: Any 30 points at 200 level from ARTH, or any 60 points at 200 level from the Schedule V of the BA or from the BFA.
ARTH328-24S2 (C) **Semester 2**

ARTH329 In search of Nowhere: the international Arts and Crafts Movement
30 Points 0.2500 EFTS
A detailed introduction to the Arts and Crafts Movement, one of the most interdisciplinary, international, and influential artistic phenomena in history.
P: Any 30 points at 200 level from ARTH, or any 60 points at 200 level from the Schedule V of the BA or from the BFA.
ARTH329-24S1 (C) **Semester 1**

ARTH330 Contemporary Art and the Material Turn
30 Points 0.2500 EFTS
This course will examine the implication of the 'material turn' across a range of contemporary art practices, focusing in particular on the shift from modernist notions of specificity to the radical fracturing and opening up of practice that has taken place since the 1970s.
P: Any 30 points at 200 level from ARTH, or any 60 points at 200 level from the Schedule V of the BA or from the BFA.
ARTH330-24S1 (C) **Semester 1**

Art History

School of Humanities

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ARTH417 Never Neutral: Museums in Context
30 Points 0.2500 EFTS
A critical exploration of the history and theory of museums, examining some of the political and social contexts that determine their development, and the meanings and narratives constructed through practices of collecting and display.
P: Subject to approval of the Head of Department.
R: CULT406 and ARTC402
EQ: ARTC402
ARTH417-24S1 (C) **Semester 1**

ARTH424 Art and the Environment
30 Points 0.2500 EFTS
ARTH 424 Art and Environment will examine some of the diverse entanglements of artistic practices and the environment, and will address these intersections in a variety of contexts: aesthetic, historical, social and political. Taught as a series of seminars over twelve weeks, the course will traverse a range of topics that draw on research expertise within the Department of Art History and Theory. Topics include: visualising landscapes; the aesthetic experience of nature, gardens and other human-altered landscapes; colonialism and eco-violence; geology and deep time; the anthropocene and post-humanism; urbanism and art; art and environmental activism; environmental disaster and art. Students will consider these topics within art historical frameworks but will also be introduced to the necessarily interdisciplinary nature of the field.
P: Subject to approval of the Head of Department.
ARTH424-24S2 (C) **Semester 2**

ARTH480 Research Paper
30 Points 0.2500 EFTS
This course requires students to work on a supervised research project leading to the presentation of a long essay of approximately 10,000 words.
P: Subject to approval of the Head of Department.
ARTH480-24S1 (C) **Semester 1**
ARTH480-24S2 (C) **Semester 2**

ARTH650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
ARTH650-24A (C) **Starts Anytime**
ARTH650-24S1 (C) **Semester 1**
ARTH650-24S2 (C) **Semester 2**

ARTH690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ARTH690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ARTH790 Art History PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Convenor.
ARTH790-24A (C) **Starts Anytime**
ARTH790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Art Theory

School of Humanities

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ARTT790 Art Theory PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Convenor.
ARTT790-24A (C) **Starts Anytime**
ARTT790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Arts

Te Kaupeka Toi Tangata | Faculty of Arts

ARTS102 Problems, questions, evidence
15 Points 0.1250 EFTS
To answer many of the world's most challenging questions e.g. those related to healthcare, social justice, poverty, climate change, and how we deal with global pandemics we need to understand evidence. This can come in various forms text, images, numbers. Evidence can be a driver for major decision making, help us to gain insight and form connections between issues, and reveal patterns and trends that would otherwise be hidden from us. How do we confidently assess evidence like this? Our decision-making is very often based on the numbers that shape the world we live in. In this course we will explore how to think quantitatively and qualitatively about the evidence behind the world's 'wicked problems', and our ideals now and in the past. Subjects touched on will include public health crises, gender and ethnicity biases in the media, the representation of minority groups in the criminal justice system, and symmetry and patterns in art, literature, and other forms of human expression. The skills you will learn--of evaluating the evidence behind big issues and ideals of the day, and being able to communicate those issues to others--will be of value no matter what your course of study or future walk of life.
ARTS102-24S1 (D) **Semester 1**
ARTS102-24S1 (C) **Semester 1**
ARTS102-24S2 (D) **Semester 2**
ARTS102-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ARTS401 Arts Research and Scholarship: Introduction to Theories and Methods
30 Points 0.2500 EFTS
Arts 401 will prepare you to carry out original research in your own discipline and across disciplines. We will introduce you to epistemologies and methods used in research and scholarship in the Arts, including kaupapa Māori approaches, to give you the tools to start your own research at Honours and Masters level. You'll get a chance to test, assess, and practice different methods. You will work collaboratively and individually to explore the possibilities different methods offer for your research interests. ARTS401 has a strongly practical focus that requires active in-class engagement. This is not a distance course.
P: Permission of the Head of Department.
ARTS401-24S1 (C) **Semester 1**

Astronomy

Te Kura Matū | School of Physical and Chemical Sciences

ASTR109 The Cosmos: Birth and Evolution
15 Points 0.1250 EFTS
In this "astronomy for poets" course, we take a grand tour of the universe! We will explore how our societies connect to our place in the cosmos, build your own personal awareness of how the Earth and sky relate, and gain an understanding of astronomy, astrophysics and planetary science, beginning with our Solar System and expanding outward to visit exotic stars, remote planets, and distant galaxies. During the journey we will learn about the ways we build this understanding, from voyaging Te Moana-nui-a-Kiwa | the Pacific to mapping the structure and origin of the Universe itself. Suitable for inclusion in any course of study.
R: (1) PHYS109. (2) Students who have been credited with ASTR112 cannot subsequently be credited with ASTR109.
ASTR109-24S1 (C) **Semester 1**
ASTR109-24S1 (D) **Semester 1**

ASTR112 Astrophysics
15 Points 0.1250 EFTS
A cutting-edge introduction to modern astrophysics for those potentially interested in further study, building your expertise in how to apply the tools of physics and mathematics to astronomical situations. We start by explaining how stars shine, and follow their evolution from birth to violent death. We explore the physics of our planetary system and strange new worlds around other stars. We then move out into the cosmos, viewing our own Galaxy across the electromagnetic spectrum: revealing the evidence for dark matter and supermassive black holes. Finally, we use our telescopes as time machines to look out and back in the Universe, studying other galaxy systems, and the origin and fate of the whole Universe. This course requires some mathematical skills; please contact the course organiser for details.
ASTR112-24S1 (C) **Semester 1**

ASTR211 Observational Astronomy
15 Points 0.1250 EFTS
A very hands-on course, with the participation of students in tutorials and all of the assessment by way of practical assignments. The syllabus will include: telescopes, CCDs, filters, general image processing methods, astrometry, coordinate systems, time photometry and spectroscopy. Students will also be exposed to astronomy research, including a field trip to the University of Canterbury Mt. John Observatory where students are expected to carry out their own projects.
P: (1) ASTR112; and (2) COSC131 or COSC121.
R: ASTR231
RP: PHYS285
ASTR211-24S2 (C) **Semester 2**
Offered in odd-numbered years.

ASTR325 The Structure and Evolution of Galaxies
15 Points 0.1250 EFTS
This course will give a thorough grounding in the physics of galaxies, covering galactic structure, dynamics, stellar populations, the Local Group. spiral galaxies, elliptical galaxies, galactic formation, galactic distribution and large-scale structure.
P: (1) 30 points from PHYS203-206, ASTR211-212; and (2) MATH103 or MATH109 or EMTH119 or MATH201.
R: PHYS325, ASTR425
EQ: PHYS325
ASTR325-24S2 (C) **Semester 2**
Offered in even-number years.

ASTR332 Theoretical and Observational Cosmology
15 Points 0.1250 EFTS
This course is an account of modern cosmology. It will include a discussion on the large scale homogenous and isotropic nature of the Universe and how the Universe is expanding with time. This will be followed by a brief review of the aspects of General Relativity that we will need in the course. After that, we will discuss the constituents of the Universe and how the expansion of the Universe has changed over time. The apparent accelerating expansion of the Universe and the proposed dark energy explanation for it will also be discussed. The evidence for dark matter and what properties it appears to have will be reviewed. We will use the Boltzmann equation to understand big bang nuclear synthesis and the cosmic microwave background. These are two of the main observational pillars of the big bang model of the Universe. The Boltzmann equation will be used to study a thermal relic model of dark matter. We will then go on to study the inhomogeneity of large scale structure such as galaxies, galaxy clusters and the cosmic web. The anisotropies in the cosmic microwave background will be analysed. We will see how observations of both of these phenomena can allow us to tightly constrain many properties of the Universe. Pre-requisites - additional info: Prior astronomy courses would be useful but are not essential as we will cover any needed subjects during the course.
P: (1) PHYS205 and PHYS203; and (2) MATH103 or MATH109 or EMTH119 or MATH201.
R: ASTR422, ASTR322
RP: MATH202
ASTR332-24S1 (C) **Semester 1**
Offered in odd-numbered years.

ASTR381 Advanced Experiments in Physics and Astronomy
15 Points 0.1250 EFTS
Execution and write-up of selected laboratory experiments.
P: (1) PHYS285; (2) 30 points from PHYS201-206 including either PHYS202 or PHYS205). (3) MATH103 or EMTH119 or MATH201.
R: PHYS381
RP: MATH201
EQ: PHYS381
ASTR381-24S2 (C) Semester 2
This course is normally taken in Semester 2. Entry for SU2 or S1 will only be granted by the HOD in exceptional circumstances.

ASTR391 Introductory Astronomy Research
15 Points 0.1250 EFTS
150 hours of research undertaken with the supervision of an active researcher. To be assessed with an oral presentation 20%, and a short written report 80%. This course may be started at any time with the agreement of the HOD. Note that start and end dates may affect entitlement to Studylink support.
P: (1) MATH103 or MATH109 or equivalent (2) 44 points from PHYS200 or ASTR200 (3) Entry subject to a supervisor approved by the Head of Department, being available
R: ASTR392, ASTR393
ASTR391-23SU2 (C) Summer (Nov 23)
ASTR391-24S1 (C) Semester 1
ASTR391-24S2 (C) Semester 2
1. This course cannot be credited to the 56 points of 300 level ASTR required for ASTR major. 2. Entry subject to a supervisor being approved by the HOD being available.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ASTR422 Theoretical and Observational Cosmology
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department. Prior astronomy courses would be useful but are not essential as we will cover any needed subjects during the course.
R: ASTR332
ASTR422-24S1 (C) Semester 1

ASTR425 The Structure and Evolution of Galaxies
15 Points 0.1250 EFTS
This course will give a thorough grounding in the physics of galaxies, covering galactic structure, dynamics, stellar populations, the Local Group. spiral galaxies, elliptical galaxies, galactic formation, galactic distribution and large-scale structure.
P: Subject to approval of the Head of Department.
R: ASTR325, PHYS325
RP: ASTR112, ASTR211 or ASTR212, 33 points from PHYS221-224
ASTR425-24S2 (C) Semester 2
Offered in even-numbered years.

ASTR430 Astronomy Literature Review
15 Points 0.1250 EFTS
Students should consult the Postgraduate Diploma in Science Regulations for further requirements.
P: Subject to approval of the Head of Department.
ASTR430-24S1 (C) Semester 1
ASTR430-24W (C) Whole Year (S1 and S2)
ASTR430-24S2 (C) Semester 2

ASTR480 Astronomy Research Project
30 Points 0.2500 EFTS
An independent research project in Astronomy for 400-level students.
P: Subject to approval of the Head of Department
ASTR480-24A (C) Starts Anytime

ASTR690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ASTR690-24A (C) Starts Anytime
Part-time enrolment (0.65 EFTS) is available on approval.

ASTR790 Astronomy PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ASTR790-24A (C) Starts Anytime
ASTR790-24A (D) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Audiology

Te Kura Mahi ā-Hirikapo | School of Psychology, Speech and Hearing

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

HEAR651 Foundation Topics in Audiology
15 Points 0.1250 EFTS
Basic principles of acoustics, psychoacoustics, and the anatomy and physiology of the peripheral auditory system.
P: Approval of the Head of Department.
RP: BSc, BSLP (Hons)
HEAR651-24S1 (C) Semester 1

HEAR652 Diagnostic Audiological Evaluation
15 Points 0.1250 EFTS
Introduction to the diagnosis of hearing impairment, with a focus on diagnostics in adults.
P: Approval of the Head of Department.
RP: BSc, BSLP (Hons)
HEAR652-24S1 (C) Semester 1

HEAR653 Audiological Rehabilitation
15 Points 0.1250 EFTS
Introduction to the management of hearing impairment, with a focus on management in adults.
P: Approval of the Head of Department.
RP: BSc, BSLP (Hons)
HEAR653-24S1 (C) Semester 1

HEAR654 Clinical Practicum I
30 Points 0.2500 EFTS
This course puts into practice the information acquired in the academic courses in the clinical setting. The first half of the year is primarily focused on developing skills for adult diagnostic assessment, while the second half of the year focuses on developing skills for paediatric diagnostic assessment, and adult and paediatric habilitation.
P: Approval of the Head of Department.
RP: BSc, BSLP (Hons)
HEAR654-24X (C) 19 Feb 2024 - 16 Feb 2025

HEAR655 Advanced Topics in Audiology
15 Points 0.1250 EFTS
Principles of communication and development of the auditory system, auditory processing disorders, vestibular disorders and medical-based audiology
P: Approval of the Head of School, HEAR651.
RP: BSc, BSLP (Hons)
HEAR655-24S2 (C) Semester 2

HEAR656 Advanced Diagnostic Audiological Evaluation
15 Points 0.1250 EFTS
Further study in the diagnosis of hearing impairment, with a focus on objective assessment techniques and diagnosis in children. The course also includes research design, methodology, data analysis and interpretation in communication disorders.
P: Approval of the Head of School, HEAR652.
RP: BSc, BSLP (Hons)
HEAR656-24S2 (C) Semester 2

HEAR657 Advanced Audiological Rehabilitation
15 Points 0.1250 EFTS
Further study in the management of hearing impairment, with a focus on management in children, and cochlear implants.
P: Approval of the Head of School, HEAR653.
RP: BSc, BSLP (Hons)
HEAR657-24S2 (C) Semester 2

HEAR658 Clinical Practicum II
30 Points 0.2500 EFTS
This course puts into practice the information acquired on the academic courses in the clinical setting. It builds on the diagnostic and habilitative skills learned on the first year of the MAud programme, with a growing emphasis on building holistic approaches to audiological case management and understanding how these fit into the broader health system.
P: Approval of the Head of School, HEAR654.
RP: BSc, BSLP (Hons)
HEAR658-24X (C) **19 Feb 2024 - 16 Feb 2025**

HEAR663 Audiologic Assessment and Management
15 Points 0.1250 EFTS
This course provides students with foundational knowledge of the anatomy and physiology of the hearing mechanism, audiology and of the role of the audiologist in the diagnosis and management of hearing and balance disorders, as well as a thorough understanding of how to develop and implement aural rehabilitation plans for children and adults and their family members. Skills acquired include the interpretation of basic audiometric data in paediatric and adult audiology.
R: HEAR243
HEAR663-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

HEAR690 Audiology Thesis
90 Points 0.7500 EFTS
Thesis to be carried out under the guidance of a supervisor. The thesis is to embody the results obtained by the student in an investigation into an area of clinical audiology.
P: Approval of the Head of School.
RP: BSc, BSLP (Hons)
EQ: CMDS690
HEAR690-24A (C) **Starts Anytime**
Part-time enrolment (0.4875 EFTS) is available on approval.

HEAR795 Audiology PhD
120 Points 1.0000 EFTS
P: Entry subject to the approval of the Head of School.
EQ: CMDS795
HEAR795-24A (C) **Starts Anytime**
HEAR795-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Bicultural Co-Governance

School of Earth and Environment

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

BCNR691 Co-governance Research Project
60 Points 0.5000 EFTS
P: Subject to the approval of the Head of School
BCNR691-24S2 (C) **Semester 2**

Biochemistry

Te Kura Matū | School of Physical and Chemical Sciences

BCHM111 Cellular Biology and Biochemistry
15 Points 0.1250 EFTS
A foundation course in cellular biology integrating the principles of molecular biology and biochemistry with the structure and function of plant, animal and microbial cells. Cellular and molecular mechanisms underlying cell growth/death cycles, cancer and genetic disorders will also be considered.
R: BIOL 111 and ENCH 281
EQ: BIOL111
BCHM111-24S1 (C) **Semester 1**

BCHM112 Structure and Reactivity in Chemistry and Biochemistry
15 Points 0.1250 EFTS
Structure, isomerism, stereochemistry, synthesis, and reaction mechanisms in organic chemistry; transition metal chemistry and electrochemistry.
P: (1) NCEA: at least 14 credits NCEA Level 3 Chemistry, or (2) CIE: at least D grade in CIE AL Chemistry or A grade in CIE ASL Chemistry, or (3) IB: at least Grade 4 in IB HL Chemistry or Grade 6 in IB SL Chemistry, or (4) CHEM114, or at least B Grade in BRDG023.
R: CHEM112
EQ: CHEM112
BCHM112-24S2 (C) **Semester 2**

BCHM202 Foundations in Molecular Biology
15 Points 0.1250 EFTS
Principles of genetics, including the structure of RNA and DNA, molecular replication, transcription, translation, recombination and gene expression.
P: BCHM111 (BIOL111) or ENCH281.
R: BIOL230, BIOL231, ENCH480
RP: CHEM112 or BCHM112 or CHEM114
EQ: BIOL231, ENCH480
BCHM202-24S1 (C) **Semester 1**

BCHM206 Organic Chemistry
15 Points 0.1250 EFTS
Reaction mechanisms, synthesis and biosynthesis of organic compounds.
P: CHEM212 or BCHM212
R: CHEM242
EQ: CHEM242
BCHM206-24S2 (C) **Semester 2**

BCHM212 Chemical Reactivity
15 Points 0.1250 EFTS
Structures and properties of organic and biological molecules; application of kinetics and thermodynamics to organic and biochemical reactions; substitution and elimination chemistry; bioinorganic chemistry and electrochemistry.
P: BCHM 112 (CHEM 112) or ENCH 241
R: CHEM212
EQ: CHEM212
BCHM212-24S1 (C) **Semester 1**

BCHM222 BIOCHEMISTRY B - Metabolism; the reactions of molecules in cells
15 Points 0.1250 EFTS
The general principles of metabolism and metabolic control.
P: BCHM221 or BCHM253 or BIOL253
R: BCHM201, ENCH323
BCHM222-24S2 (C) **Semester 2**

BCHM253 Cell Biology I
15 Points 0.1250 EFTS
Internal organisation of the cell. The course will build on the introduction to cell biology in BCHM 111 (BIOL 111) and seek to develop further understanding of the internal workings of the cell.
P: BIOL111 (BCHM111) or ENCH281.
R: BIOL253
RP: 15 points of CHEM at 100 level
EQ: BIOL253
BCHM253-24S1 (C) **Semester 1**

BCHM281 Practical Biochemistry
15 Points 0.1250 EFTS
This course is laboratory based and includes the following topics: preparative chemistry; purification of biochemicals and chemicals including chromatography; practical spectroscopy and basic analytical methodology; kinetic and thermodynamic measurements on solutions; data analysis, errors and Excel competence. Safety and library elements will be integrated into the course.
P: 1. CHEM111 and CHEM112 (BCHM112) or 2. CHEM212
R: CHEM281
BCHM281-24S2 (C) **Semester 2**

BCHM304 Special Topic
15 Points 0.1250 EFTS
P: Entry subject to approval of the Coordinator, Biochemistry
BCHM304-24W (C) **Whole Year (S1 and S2)**

BCHM305 Protein Science
15 Points 0.1250 EFTS
This course is designed to help you to understand how different proteins function and how biochemists seek to investigate protein structure and function. The course aims to introduce you to modern biochemical ideas and research, and will include a substantial amount of reading from the biochemical literature, as well as from your standard textbook.
P: BCHM253/BIOL253 and BCHM222.
R: BCHM301
RP: BCHM202/BIOL231, BCHM206/CHEM242, BCHM212/CHEM212.
BCHM305-24S1 (C) **Semester 1**

BCHM306 Biochemical Pathology
15 Points 0.1250 EFTS
This course is designed to help you to understand the biochemistry underpinning disease (e.g. cancer), how diseases are diagnosed using biochemical markers (e.g. heart disease), mechanisms of cell and organ toxicity, and how toxic molecules can be used to our benefit (e.g. in cancer chemotherapy).
P: BCHM253/BIOL253 and BCHM222, and 15 points from BCHM206, BCHM212/CHEM212.
R: BCHM301, BCHM302
RP: BCHM202/BIOL231.
BCHM306-24S2 (C) **Semester 2**

BCHM338 Chemical Biology and Protein Chemistry
15 Points 0.1250 EFTS
This course covers important concepts in chemical biology: the application of chemical techniques, tools, analyses, and synthetic chemicals, to the study and manipulation of the molecular processes taking place within cells.
P: CHEM212 or BCHM212 Recommended preparation: BCHM202 (BIOL231)
R: CHEM325; BCHM302; CHEM338
RP: BCHM202 (BIOL231)
EQ: CHEM338
BCHM338-24S1 (C) **Semester 1**

BCHM339 Bioinorganic and Bioorganic Chemistry
15 Points 0.1250 EFTS
Bioinorganic chemistry is the study of the ways that nature uses the properties of metal ions to control and catalyse biological processes. Processes to be studied will include transport of electrons, small molecules, and essential trace elements, as well as chemical transformations that involve redox reactions, activation of water molecules in hydrolysis reactions, and the role of metal ions in biosynthetic reactions and drug metabolism. The bioorganic chemistry portion of the course will focus on the role that small molecular weight organic compounds can play in dissecting, probing and manipulating biological systems. We will use examples from human and animal health (i.e. cancer, infection) to illustrate this interdisciplinary process.
P: CHEM212 or BCHM212.
R: CHEM339; CHEM325; BCHM302
RP: CHEM242 (BCHM206)
EQ: CHEM339
BCHM339-24S2 (C) **Semester 2**

BCHM381 Biochemical Techniques
15 Points 0.1250 EFTS
Biochemical experiments and analysis such as transport kinetics, DNA sequence analysis and manipulation, lipid isolation and characterisation. Safety, bioethical and library elements will be integrated into the coursework.
P: BCHM201 (if taken prior to 2005) or BCHM281 or CHEM281
BCHM381-24S2 (C) **Semester 2**

BCHM438 Molecular Dynamics
15 Points 0.1250 EFTS
This course is about modelling the behaviour of macromolecular systems (e.g. biomacromolecules such as proteins or supramolecular assemblies such as metal-organic framework materials), using molecular dynamics. The topics covered by this course are: - Force fields (molecular mechanics) and equations of motion (molecular dynamics) - Controlling temperature, pressure, volume within simulations - Practical considerations when running molecular dynamics simulations - Assessing how well simulations match experiment
P: Approval by the Tumuaki Kura | Head of School
R: CHEM438
EQ: CHEM438
BCHM438-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

BCHM455 Applied and Molecular Microbiology
15 Points 0.1250 EFTS
This course will help students develop as scholars and advance their research skills in areas of applied and molecular microbiology. With microbes being ubiquitous and ever more important to commerce, the course will offer opportunities to explore cultural and social perceptions of appropriate use of microbiological science. The course focuses on the critical evaluation of scientific evidence.
R: BIOL493, BIOL455
RP: BIOL313, BIOL333, BCHM301/BIOL331
EQ: BIOL455
BCHM455-24S1 (C) **Semester 1**

BCHM457 Macromolecular Evolution and Engineering
15 Points 0.1250 EFTS
The primary goal of this course is to assist student development as scholars and advance their research skills in fields of science that use molecular evolution and molecular design (i.e. synthetic biology) to address a wide diversity of biological questions and problems. The course focuses on the critical evaluation of scientific methodology and how such methodology can be applied to engineer new biomolecules.
R: BIOL457
RP: BIOL331/BCHM301 (Biochemsitry 3) and/or Protein Science (BIOL435/BCHM403), which is designed to be a compatible course run in S1. In addition, one from the following is highly recommended: BIOL313 (Microbiology) or BIOL333 (Molecular Genetics) (or equivalent, as determined by course co-ordinator).
EQ: BIOL457
BCHM457-24S2 (C) **Semester 2**

BCHM459 Genomics
15 Points 0.1250 EFTS
Students taking this course will develop a deep knowledge in a current area of genome biology and evolution. Students will get to grips with the latest research in this fast moving field, read deeply on a chosen topic, and develop strong critical thinking, writing and debating skills.
R: BIOL430/BCHM406/BIOL459
EQ: BIOL459
BCHM459-24S2 (C) **Semester 2**

BCHM460 Molecular Biology
15 Points 0.1250 EFTS
Molecular biology comprises a suite of tools and approaches for understanding the structure and function of DNA, RNA and proteins. The primary goal of this course is to assist the development of scholars with advanced technical skills in molecular biology who can use these tools to infer evolutionary and functional relationships.
R: BIOL434/BCHM405/BIOL460
RP: BIOL333, BIOL334, BCHM301/BIOL331, BIOL335
EQ: BIOL460
BCHM460-24S1 (C) **Semester 1**

BCHM461 Protein Science
15 Points 0.1250 EFTS
An advanced treatment of protein science, covering structure, function, applications, and the inter-relationships between these.
R: BIOL435/BCHM403/BIOL461
EQ: BIOL461
BCHM461-24S1 (C) **Semester 1**

BCHM462 Medical Biochemistry
15 Points 0.1250 EFTS
The primary goal of this course is to assist student development as scholars and advance their knowledge and literature research skills in the field of Medical Biochemistry. This course will exam broad topics of medical interest where biochemical techniques have been used to examine the basis of human pathological process. The course will examine topic areas of medical research using recent peer reviewed publications. The course focuses on the critical evaluation of the research literature and evulation of competing theories on the mechanism of selected disease pathologies.
R: BIOL436/BCHM401/BIOL462
EQ: BIOL462
BCHM462-24S2 (C) **Semester 2**

BCHM480 Project
30 Points 0.2500 EFTS
The topic for this project shall be approved by the Course Co-ordinator and may be carried out under the supervision of staff in the Departments of Chemistry or Biological Sciences. The written report on this project must be completed and presented to the Registrar in the year in which the student presents the courses selected for BCHM 400 level and at a time determined by the department concerned.
P: Subject to approval of the Head of Department.
BCHM480-24W (C) **Whole Year (S1 and S2)**

BCHM690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
BCHM690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

BCHM790 Biochemistry PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
BCHM790-24A (C) **Starts Anytime**
BCHM790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Bioengineering

Te Tari Pūhanga Pūrere | Department of Mechanical Engineering

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ENBI690 Bioengineering ME Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department
ENBI690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ENBI790 Bioengineering PhD
120 Points 1.0000 EFTS
P: Subject to the approval of the Head of Department
ENBI790-24A (C) **Starts Anytime**
ENBI790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Biological Sciences

Te Kura Pūtaiao Koiora | School of Biological Sciences

BIOL111 Cellular Biology and Biochemistry
15 Points 0.1250 EFTS
A foundation course in cellular biology integrating the principles of molecular biology and biochemistry with the structure and function of plant, animal and microbial cells. Cellular and molecular mechanisms underlying cell growth/death cycles, cancer and genetic disorders will also be considered.
R: ENCH281 and BCHM111
EQ: BCHM111
BIOL111-24S1 (C) **Semester 1**

BIOL112 Ecology, Evolution and Conservation
15 Points 0.1250 EFTS
An integrated course embracing the principles of ecology, behaviour, genetics, evolution and conservation biology.
BIOL112-24S2 (C) **Semester 2**
Fieldwork is required.

BIOL113 Diversity of Life
15 Points 0.1250 EFTS
An overview of the diversity, evolution, structure and function of animals, plants and microbes.
BIOL113-24S1 (C) **Semester 1**

BIOL116 Human Biology
15 Points 0.1250 EFTS
An introduction to the biology of humans. The course is particularly recommended for students wishing to advance in topics in health and sport, as well as those students advancing in science subjects.
BIOL116-24S2 (C) **Semester 2**

BIOL209 Biological Data Analysis
15 Points 0.1250 EFTS
Introductory statistics with specific examples for biologists. This course is required for all students in BIOL.
P: STAT101 or 15 points of 100 level MATH
BIOL209-24S1 (C) **Semester 1**

BIOL210 Vertebrate Biology
15 Points 0.1250 EFTS
The comparative anatomy, general biology, ecology, physiology and evolutionary history of the vertebrates.
P: BIOL113
BIOL210-24S2 (C) **Semester 2**

BIOL212 Marine Biology and Ecology
15 Points 0.1250 EFTS
An introduction to the ecology and biology of the marine environment. Description and analysis of marine communities and the biodiversity, ecology and behaviour of marine organisms.
P: BIOL112 and BIOL113
BIOL212-24S1 (C) **Semester 1**
Fieldwork is required.

BIOL213 Microbiology
15 Points 0.1250 EFTS
An introduction to the fundamental principles of microbiology and microbial genetics.
P: BIOL111 or BIOL113.
RP: BIOL231/BCHM202
BIOL213-24S2 (C) **Semester 2**

BIOL215 Exploring Biodiversity: Principles and Methods of Systematics
15 Points 0.1250 EFTS
This course takes a broad view of the ways biological diversity can be described and classified, and its origins understood. Systematics is the scientific discipline that encompasses the description, identification, nomenclature, and classification of organisms (Taxonomy) and the reconstruction of their macro-evolutionary history (Phylogenetics). Knowing the identity and evolutionary relationships of organisms is crucial to any biological study, but functional classifications are also important. This course is an introduction to the methodology and principles of systematics across all forms of biodiversity (bacteria, plants, fungi, protists, and animals), from morphological to next-generation DNA-based approaches and including functional methods.
P: BIOL112 or BIOL113 (
RP: BIOL111
BIOL215-24S2 (C) **Semester 2**

BIOL231 Foundations in Molecular Biology
15 Points 0.1250 EFTS
Principles of genetics, including the structure of RNA and DNA, molecular replication, transcription, translation, recombination and gene expression.
P: BIOL111 (=BCHM111) or ENCH281
R: BCHM202, ENCH480, BIOL230
EQ: BCHM202, ENCH480
BIOL231-24S1 (C) **Semester 1**

BIOL250 Principles of Animal Physiology
15 Points 0.1250 EFTS
An introduction to the mechanisms of how the body works, concentrating on osmoregulation and excretion, digestion, nerves and muscles.
P: BIOL111 (=BCHM111) or ENCH281
BIOL250-24S1 (C) **Semester 1**

BIOL253 Cell Biology I
15 Points 0.1250 EFTS
Internal organisation of the cell. The course will build on the introduction to cell biology in BIOL 111 (BCHM 111) and seek to develop further understanding of the internal workings of the cell.
P: BIOL111 (=BCHM111) or ENCH281
R: BCHM253
EQ: BCHM253
BIOL253-24S1 (C) **Semester 1**

BIOL254 Principles of Plant Physiology
15 Points 0.1250 EFTS
The principles of plant development, including the basic anatomy of higher plants, and how they grow, respond to external stimuli and reproduce. Relationship between these concepts and developments in agriculture and biotechnology.
P: BIOL111 (=BCHM111) or ENCH281
R: BIOL252
BIOL254-24S2 (C) **Semester 2**

BIOL271 Evolution
15 Points 0.1250 EFTS
An introduction to evolution: patterns and processes of evolution; mechanisms of evolution, adaptation, speciation and extinction.
P: BIOL112
BIOL271-24S1 (C) **Semester 1**

BIOL272 Principles of Animal Behaviour
15 Points 0.1250 EFTS

This course is intended to provide a broad understanding of how animals interact with each other and with their environment. This course will cover the control, development, adaptive significance and evolution of behaviour. We will use a combination of traditional lectures, selected case studies, laboratory and fieldwork to learn fundamental concepts animal behaviour. Additional reading of scientific papers will be an essential adjunct to the lectures and especially to assessments.

P: BIOL112 or PSYC105

BIOL272-24S2 (C) **Semester 2**

BIOL274 Principles of Ecology
15 Points 0.1250 EFTS

This course provides a fundamental grounding in the main concepts in and applications of ecology, the study of relationships between organisms and their environment. The most important concepts in population, community, landscape and ecosystem ecology are covered. These are considered using examples from across marine, freshwater, forest, grassland, urban and production ecosystems, and with particular reference to the factors controlling the distribution of plants, animals and microbes in Aotearoa New Zealand, and their differences to other countries. There is a particular emphasis on the problems and issues affecting natural systems, and how ecological knowledge can be applied to achieve solutions. We will also recognise taongo species and consider Māori perspectives on cultural management of natural resources. Overall, this course provides a thorough overview for those wanting to compliment other environmental knowledge. It can be combined with BIOL275 Field Ecology to provide a comprehensive platform for those wanting to undertake more advanced ecological study.

P: BIOL112

R: BIOL270

BIOL274-24S1 (C) **Semester 1**

BIOL274-24S1 (D) **Semester 1**

BIOL275 Field Ecology
15 Points 0.1250 EFTS

This course provides a fundamental grounding in the practical skills used in ecology, the study of relationships between organisms and their environment. It is designed to add to the co-requisite course BIOL274 Principles of Ecology (to form the equivalent of the 30-pt BIOL270 Ecology) if students want to advance to 300-level ecology courses. There is a particular emphasis on the problems and issues affecting natural systems, and how ecological knowledge can be applied to achieve solutions. The focus of the course is a four-day field trip to the UC Cass field station near Arthur's Pass National Park. Combined with laboratory sessions prior to cultivate basic skills, the field course allows students to develop expertise in field experimental design and sampling, data analysis and interpretation, as well as providing practical experience in some wonderful high country environments. We will also recognise taongo species and consider appropriate Māori protocols (tikanga) for sampling in the field and the need for consultation. Overall, this course provides both a comprehensive platform for those wanting to undertake more advanced ecological study. The combination of BIOL274 and BIOL275 is a prerequisite for all ecology core courses at 300-level, and for students intending to progress to postgraduate level in ecology.

C: BIOL274

R: BIOL270

BIOL275-24S1 (C) **Semester 1**

BIOL305 Practical Field Botany
15 Points 0.1250 EFTS

A residential field course focussing on the identification and sampling of plants, in practical (field) conditions.

P: (1) BIOL215 or (2) BIOL273 or (3) BIOL270 or (4) BIOL274 and BIOL275 or (5) subject to approval by the Head of the School of Biological Sciences

BIOL305-24SU1 (C) **Summer (Jan 24)**

Limited entry. See limitation of entry regulations. Fieldwork is required.

BIOL307 Special Topic
15 Points 0.1250 EFTS

Selected lectures, tutorials and assignments from courses relevant to biology and/or a supervised course of study subject to approval by the Head of School

P: Entry subject to approval by the Head of School.

BIOL307-24A (C) **Starts Anytime**

BIOL307-24S1 (C) **Semester 1**

BIOL307-24S2 (C) **Semester 2**

BIOL309 Experimental Design and Data Analysis for Biologists
15 Points 0.1250 EFTS

Advanced experimental design and statistical techniques for biologists. This course is essential for all students considering postgraduate study in biological sciences.

P: BIOL209 or appropriate statistical background as determined by the Head of School

BIOL309-24S2 (C) **Semester 2**

BIOL309-24S2 (D) **Semester 2**

BIOL313 Advanced Microbiology
15 Points 0.1250 EFTS

This course builds on BIOL213 and explores microbial ecology, advanced food and agricultural microbiology, disease and pathogenesis. The course emphasises bacteria and fungi, with other microbes also considered. Both fundamental and applied microbiology will be covered. The practical component of the course consists of isolating and characterising novel microbial strains, using both molecular and traditional approaches.

P: BIOL213

BIOL313-24S2 (C) **Semester 2**

BIOL333 Molecular Genetics
15 Points 0.1250 EFTS

BIOL333 is an advanced molecular genetics course that builds on the conceptual frameworks developed in the pre-requisite course BIOL231/BCHM202. It provides in-depth coverage across the breadth of life with an emphasis on gene expression, gene concepts and biotechnology.

P: BIOL231 (=BCHM202)

R: BIOL330

BIOL333-24S1 (C) **Semester 1**

BIOL334 Evolutionary Genetics and Genomics
15 Points 0.1250 EFTS

BIOL334 is an advanced course that builds on the conceptual frameworks developed in the pre-requisite course BIOL271. It provides in-depth coverage across the breadth of evolutionary genetics and genomics with an emphasis on conservation genetics/genomics, epigenetics, evolution and development (evo-devo), and genomic interactions with the environment.

P: BIOL215 and BIOL271

R: BIOL330

BIOL334-24S2 (C) **Semester 2**

BIOL336 Ecological and Evolutionary Models
15 Points 0.1250 EFTS

Introduction to key ecological and evolutionary models. The course introduces how to solve basic mathematical models and how to use computational tools to explore their solutions. Students learn how to create simple models to understand how complex, real-world processes unfold.

P: BIOL209 or 15 Points of 200-level COSC or DATA or EMTH or ENCE or PHYS or MATH or STAT.
RP: BIOL270, BIOL271 or BIOL274

BIOL336-24S1 (C) **Semester 1**

BIOL337 Bioinformatics
15 Points 0.1250 EFTS

The general aim of this course is to discuss major concepts in the bioinformatic analysis, application, handling and management of large-scale biological data, and apply these bioinformatics methods to real-world issues. The central focus will be on bringing together previously developed skills in programming, computing and data wrangling, and evaluating how these skills apply to biological datasets. This paper will also discuss the cultural, political, social and legal issues regarding data ownership, use and governance. The course will consist of regular lectures and computer labs, where students will be able to explore biological datasets using their knowledge of bioinformatics. The emphasis is on the amalgamation of students' previous two years of training and experience, providing students with the context and the background required to apply their skills in the real world. Skills learnt will be assessed via short computer lab reports and a final exam. BIOL337 is a required course for enrolment in BIOL338 (Bioinformatics Project).

P: BIOL231 and DATA201 and [STAT201 or STAT202 or BIOL209]

BIOL337-24S1 (C) **Semester 1**

BIOL338 Bioinformatics Project
30 Points 0.2500 EFTS

This course will develop your ability to undertake research in bioinformatics. Drawing on existing datasets, you will design and complete a research project. The aim is for most projects to be based on real-world problems with data provided in collaboration with a research partner. The training, practice and critical evaluation of the research will be carried out in groups, and you will communicate your research findings using spoken, statistical and written skills. The course consists of regular lectures/tutorials and project group meetings, supported by web-based resources. It concludes with a public conference, where you will present your findings. The emphasis is on students working together to solve real-world bioinformatic problems using skills that are transferable to the workplace.

P: BIOL337

BIOL338-24S2 (C) **Semester 2**

BIOL351 Cell Biology 2
15 Points 0.1250 EFTS

Advanced study of cellular organisation and interactions with emphasis on the relationships between molecular structure and organelle and cell function.

P: BIOL253 (=BCHM253)

BIOL351-24S2 (C) **Semester 2**

BIOL352 Plant Development and Biotechnology
15 Points 0.1250 EFTS
Biotechnology for industries using plants and plant products. The principles and applications of advanced cell biology, plant tissue culture and genetic engineering. Use of natural products in industry.
P: BIOL254 or BIOL253 (=BCHM253) or BIOL231 (=BCHM202)
BIOL352-24S1 (C) **Semester 1**

BIOL354 Animal Ecophysiology
15 Points 0.1250 EFTS
Comparative aspects of physiological adaptation to aquatic and terrestrial environments. Topics include osmoregulation, excretion, respiration, circulation, temperature acclimation, using both vertebrate and invertebrate examples.
P: BIOL250
BIOL354-24S2 (C) **Semester 2**

BIOL355 Neurons, Hormones and Behaviour
15 Points 0.1250 EFTS
The physiological basis of behaviour. Building on the introduction to Animal Physiology in BIOL250, this course will concentrate on the endocrine and nervous systems and develop an understanding of how these systems have evolved to fine-tune the behaviour of animals.
P: BIOL250
RP: BIOL272
BIOL355-24S1 (C) **Semester 1**

BIOL371 Evolutionary Ecology
15 Points 0.1250 EFTS
The focus of this course is on how the interplay between ecological and evolutionary forces generate biological diversity at many levels, and how this knowledge is used to solve problems in human health, agriculture and conservation.
P: BIOL271
BIOL371-24S1 (C) **Semester 1**

BIOL375 Freshwater Ecosystems
15 Points 0.1250 EFTS
Advanced theories and concepts of freshwater ecology and their practical application to current issues.
P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275
BIOL375-24S2 (C) **Semester 2**
Fieldwork is required.

BIOL377 Global Change Ecology and Biosecurity
15 Points 0.1250 EFTS
A discussion of major concepts in community and ecosystems ecology in the context of anthropogenic changes to the environment and pressure from invasive exotic species.
P: BIOL209 and BIOL274
BIOL377-24S1 (C) **Semester 1**
Fieldwork is required.

BIOL378 Population Ecology and Conservation
15 Points 0.1250 EFTS
Advanced concepts in population ecology, especially those most relevant to the New Zealand region and to the conservation of the New Zealand biota. Topics include life history tradeoffs, dispersal and metapopulations, species interactions, population regulation, population modelling, management of populations, and issues for species conservation in New Zealand.
P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275
BIOL378-24S1 (C) **Semester 1**
Fieldwork is required.

BIOL383 Behavioural Ecology
15 Points 0.1250 EFTS
The development and adaptive significance of behaviour with emphasis on the relationship between ecology and behaviour.
P: BIOL209 and BIOL272
R: BIOL373
BIOL383-24S1 (C) **Semester 1**
Fieldwork is required.

BIOL384 Marine Ecosystems
15 Points 0.1250 EFTS
Advanced theories, concepts and applications of marine ecology to current issues.
P: (1) BIOL209, (2) BIOL212, and (3) BIOL274
R: BIOL374
BIOL384-24S2 (C) **Semester 2**
Fieldwork is required.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

BIOL401 Special Topic: Laboratory Research Project
30 Points 0.2500 EFTS
300 hours of independent research performed under the guidance of a supervisor who is a member of academic staff. To be assessed by a short written report. Note: Administered by the School of Biological Sciences for MSc students only; please see the School for more information.
P: Subject to approval of the Head of School.
BIOL401-23SU2 (C) **Summer (Nov 23)**

BIOL402 Special Topic: Field Research Project
30 Points 0.2500 EFTS
300 hours of independent research performed under the guidance of a supervisor who is a member of academic staff. To be assessed by a short written report. Note: Administered by the School of Biological Sciences for MSc students only; please see the School for more information.
P: Subject to approval of the Head of School.
BIOL402-23SU2 (C) **Summer (Nov 23)**

BIOL411 Research Preparation
15 Points 0.1250 EFTS
To introduce and discuss the methodology and principles involved in preparing for research, and to broaden perspectives in the development of a research-oriented career.
P: Subject to approval of the Head of School.
R: BIOL405
BIOL411-24S1 (C) **Semester 1**

BIOL412 Research Proposal
15 Points 0.1250 EFTS
To introduce and develop skills in the synthesis of research findings and the writing of a detailed research proposal.
P: BIOL411. For those students who begin 4th year in the middle of the year, BIOL411 and BIOL412 must be completed in Semester 1 of the following year.
R: BIOL405
BIOL412-24S1 (C) **Semester 1**
BIOL412-24S2 (C) **Semester 2**

BIOL423 Evolutionary Ecology
15 Points 0.1250 EFTS
Aims to equip ecology students with the evolutionary biology underpinning the dicipline. Students will advance their knowledge of current issues and approaches in evolutionary ecology, particularly those of relevance to global change. The course has a focus on phenotypic evolution and processes occurring at the interface of ecology and evolution.
P: Subject to approval of the Head of School.
R: BIOL478
BIOL423-24S2 (C) **Semester 2**

BIOL424 Community Ecology
15 Points 0.1250 EFTS
To develop skills in the critique of literature and formulation and testing of hypotheses within the field of community ecology.
P: Subject to approval of the Head of School.
R: BIOL471
BIOL424-24S2 (C) **Semester 2**

BIOL425 Freshwater Ecology
15 Points 0.1250 EFTS
Aims to develop students as professional freshwater ecologists. Students will advance their knowledge of current issues and approaches in freshwater ecology, particularly the concepts that underpin understanding of freshwater ecosystems and the application of research to management and conservation issues in New Zealand. Has a focus on the skills needed by professionals working in freshwater-related areas of research, consultancy and management.
P: Subject to approval of the Head of School.
R: BIOL472
BIOL425-24S1 (C) **Semester 1**

BIOL426 Conservation Biology
15 Points 0.1250 EFTS
This course covers aspects of biology that are useful in applied conservation situations. In other words, how can ecologists help to preserve biodiversity? Topics covered include: what is rarity; extinction rates past and present; limiting factors in endangered species management; adaptive management of NZ species; reserve design in theory and practice; conservation and climate change. This course complements BIOL429 which looks at conservation genetics.

P: Subject to approval of the Head of School.
R: BIOL474
BIOL426-24S2 (C) **Semester 2**

BIOL427 Global Change Biology
15 Points 0.1250 EFTS
This course will address selected major issues concerning the role of biological processes in the Earth System and the impact on these of human activities (global change). Discussion will include carbon and nutrient cycling in terrestrial and marine ecosystems, the impacts of past and future climate change on biota, the significance of biodiversity loss on ecosystem processes and strategies to mitigate climate change.

P: Subject to approval of the Head of School.
R: BIOL479
BIOL427-24S1 (C) **Semester 1**

BIOL428 Marine Biology and Ecology
15 Points 0.1250 EFTS
This course focuses on current issues in marine biology and ecology. It includes a critical assessment of experimental approaches, ecological and physiological processes affecting the structure of marine communities and the application of research to current issues.

P: BIOL212 and BIOL384
R: BIOL473
BIOL428-24S1 (C) **Semester 1**

BIOL429 Conservation Genetics
15 Points 0.1250 EFTS
This course addresses contemporary issues in conservation genetics with a strong emphasis on the conservation genetic management of threatened captive and wild populations in partnership with relevant iwi, hapu and Māori trusts, and in collaboration with diverse stakeholders including relevant conservation agencies, conservation trusts and community groups. Topics include the genetic consequences of small population size, intra- and interspecific hybridisation, and the resolution of taxonomic uncertainties.

P: Subject to approval of the Head of School.
R: BIOL431
BIOL429-24S1 (C) **Semester 1**

BIOL438 Behaviour
15 Points 0.1250 EFTS
Current topics in the study of animal behaviour with an emphasis on empirical tests of theoretical issues. Topics vary from year to year but include sexual selection, foraging strategies, parental care and parasitism, problem solving and animal cognition.

P: Subject to approval of the Head of School.
R: BIOL470
BIOL438-24S1 (C) **Semester 1**

BIOL455 Applied and Molecular Microbiology
15 Points 0.1250 EFTS
This course will help students develop as scholars and advance their research skills in areas of applied and molecular microbiology. With microbes being ubiquitous and ever more important to commerce, the course will offer opportunities to explore cultural and social perceptions of appropriate use of microbiological science. The course focuses on the critical evaluation of scientific evidence.

P: Subject to approval of the Head of School.
R: BIOL493
RP: BIOL313, BIOL333, BCHM301/BCHM331
BIOL455-24S1 (C) **Semester 1**

BIOL456 Dynamics of Microbiological Interactions
15 Points 0.1250 EFTS
Microbiological interactions impact on almost every aspect of biology, from plant nutrient uptake and photosynthesis to animal digestion to ecosystem function. We will explore the intimate interactions of microorganisms with plants and animals, and other microorganisms. We consider a range of microorganisms, including bacteria, oomycetes, fungi, and archaea. You will develop skills in evaluating how molecular, ecological, biochemical and synthetic community approaches contribute to our understanding of microorganisms and their myriad interactions.

P: Subject to approval of the Head of School.
R: BIOL493
RP: At least one of BIOL313, BIOL332-335, BIOL352, BIOL455, BIOL460, and/or BCHM305.
BIOL456-24S2 (C) **Semester 2**

BIOL457 Macromolecular Evolution & Engineering
15 Points 0.1250 EFTS
The primary goal of this course is to assist student development as scholars and advance their research skills in fields of science that use molecular evolution and molecular design (i.e. synthetic biology) to address a wide diversity of biological questions and problems. The course focuses on the critical evaluation of scientific methodology and how such methodology can be applied to engineer new biomolecules.

P: Subject to approval of the Head of School.
RP: BIOL331/BCHM301 (Biochemistry 3) and/or Protein Science (BIOL435/BCHM403), which is designed to be a compatible course run in S1. In addition, one from the following is highly recommended: BIOL313 (Microbiology) or BIOL333 (Molecular Genetics) (or equivalent, as determined by course co-ordinator).
BIOL457-24S2 (C) **Semester 2**

BIOL459 Genomics
15 Points 0.1250 EFTS
Students taking this course will develop a deep knowledge in a current area of genome biology and evolution. Students will get to grips with the latest research in this fast moving field, read deeply on a chosen topic, and develop strong critical thinking, writing and debating skills.

P: Subject to approval of the Head of School.
R: BIOL430/BCHM406/BCHM459
BIOL459-24S2 (C) **Semester 2**

BIOL460 Molecular Biology
15 Points 0.1250 EFTS
Molecular biology comprises a suite of tools and approaches for understanding the structure and function of DNA, RNA and proteins. The primary goal of this course is to assist the development of scholars with advanced technical skills in molecular biology who can use these tools to infer evolutionary and functional relationships.

P: Subject to approval of the Head of School.
R: BIOL434/BCHM405
BIOL460-24S1 (C) **Semester 1**

BIOL461 Protein Science
15 Points 0.1250 EFTS
An advanced treatment of protein science, covering structure, function, applications, and the inter-relationships between these.

P: Subject to approval of the Head of School.
R: BIOL435/BCHM403
BIOL461-24S1 (C) **Semester 1**

BIOL462 Medical Biochemistry
15 Points 0.1250 EFTS
The primary goal of this course is to assist student development as scholars and advance their knowledge and literature research skills in the field of Medical Biochemistry. This course will exam broad topics of medical interest where biochemical techniques have been used to examine the basis of human pathological process. The course will examine topic areas of medical research using recent peer reviewed publications. The course focuses on the critical evaluation of the research literature and evulation of competing theories on the mechanism of selected disease pathologies.

P: Subject to approval of the Head of School.
R: BIOL436/BCHM401
BIOL462-24S2 (C) **Semester 2**

BIOL463 Cell Biology
15 Points 0.1250 EFTS
A critical examination of recent advances in cell biology with emphasis on cell signalling, the cytoskeleton, cell junctions and the nucleus. The focus ranges from fundamental cellular and molecular biology to consideration of cellular mechanisms within the context of physiological or pathological processes.

P: Subject to approval of the Head of School.
R: BIOL432
RP: Recommended preparatory course BIOL351 or BIOL331/BCHM301
BIOL463-24S1 (C) **Semester 1**

BIOL480 Project
30 Points 0.2500 EFTS
A written report on a research project approved by the Head of School of Biological Sciences. The report must be completed and presented by the due date in the year in which the student presents the courses selected from BIOL401 - BIOL493 (refer to degree schedule).

P: Subject to the approval of Head of School
BIOL480-24W (C) **Whole Year (S1 and S2)**

BIOL481 Environmental Animal Physiology
15 Points 0.1250 EFTS
Physiological adaptations that allow animal life to survive in diverse environments. The course will look at the strengths and weaknesses of the comparative approach and its relationship to phylogeny. Topics that may be addressed include osmoregulatory physiology and water balance, thermoregulation, metabolic rates, exercise and cardiovascular physiology.
P: Subject to approval of the Head of School.
R: BIOL451
RP: BIOL354
BIOL481-24S2 (C) **Semester 2**

BIOL496 Plant Developmental Biology and Biotechnology
15 Points 0.1250 EFTS
To examine recent advances in plant biology research and, where appropriate, the implications of this research for biotechnological applications. Seminar topics may include any aspect of plant development and plant response to its biotic and abiotic environment.
P: Subject to approval of the Head of School.
R: BIOL491
BIOL496-24S2 (C) **Semester 2**

BIOL690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to the approval of Head of School
BIOL690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

BIOL790 PhD Thesis
120 Points 1.0000 EFTS
P: Subject to approval of Head of School.
BIOL790-24A (C) **Starts Anytime**
BIOL790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Biosecurity

Te Kura Pūtaiao Koiora | School of Biological Sciences

BIOS201 Issues in New Zealand Biosecurity
15 Points 0.1250 EFTS
This course will establish a scientific, legal and practical definition of biosecurity and pursue the ramifications of breaches to the systems in place to protect New Zealand from such affronts to our security.
P: 60 points at 100-level
R: BIOS101
BIOS201-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

Biotechnology

Te Kura Pūtaiao Koiora | School of Biological Sciences

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BIOT480 Project
30 Points 0.2500 EFTS
A written report on a research project approved by the Head of Department. The report must be completed and presented to the Registrar by 1 November in the year in which the student presents the courses selected from BIOL401-493 (refer to degree schedule).
P: Subject to approval of the Head of Department
BIOT480-24W (C) **Whole Year (S1 and S2)**

BIOT690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
BIOT690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

BIOT790 Biotechnology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
BIOT790-24A (C) **Starts Anytime**
BIOT790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Business

Te Kura Umanga | UC Business School

BSNS201 Business and Culture
15 Points 0.1250 EFTS
In this course, students will reflect on their own participation in multiple cultural forms: ethnic, occupational, gendered, national, digital, global, temporal etc. They will hear from academics and practitioners about their experiences of culture and their advice on how to engage with cultures. Students will learn how to build connections with people in ways which respect cultural traditions and allow for reciprocal, mutually beneficial relationships to develop in their future occupations and workplaces.
P: Any 60 points.
RP: ACCT102, ECON104, MGMT100
BSNS201-24S1 (C) **Semester 1**
BSNS201-24S2 (C) **Semester 2**

BSNS299 UC Employability Portfolio
0 Points 0.0000 EFTS
The UC Employability Portfolio provides students with formal recognition of activities that increase their employability and their engagement with the community.
P: Any 180 points. Must be enrolled in the BCom.
BSNS299-24S1 (C) **Semester 1**
BSNS299-24S2 (C) **Semester 2**

Business Administration

MBA Programme

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MBAD606 Marketing in a Digital World
10 Points 0.0833 EFTS
Marketing has long rested on its foundations of creating great products and communicating this to potential customers. The future of marketing and corporate/client interactions means marketing now permeates every aspect of both internal and external engagement and, as a result, there needs to be a deeper understanding of how value and engagement can be enhanced through a marketing lens. We explore how digital culture and tools can enhance engagement with stakeholders and improved internal processes, communication and product offerings. The course draws heavily on the role of that value generation, communication, and strategy play in achieving cut-through in an increasingly competitive digital environment.
P: Subject to approval of the MBA Director
MBAD606-24T1 (C) **12 Feb 2024 - 05 May 2024**
Special MBA fee also applies.

MBAD653 Negotiating Business Development Across Cultures
10 Points 0.0833 EFTS
This course explores a framework for international contract negotiation and includes business strategy, management psychology, legal, intellectual property, marketing and supply chain
P: Subject to approval of the MBA Director
MBAD653-24T3 (C) **26 Aug 2024 - 17 Nov 2024**
Special MBA fee also applies.

MBAD654 Entrepreneurship and Small Business
10 Points 0.0833 EFTS
The decision to start business is made hundreds of time each week in New Zealand. In terms of frequency, it is followed by the decision to close a small business. Internationally, New Zealand has a relatively high rate of business start-up, but relatively few of these grow into significant companies. The aim of this course is to develop some practical understanding of the opportunities and problems associated with the start-up and subsequent development of small businesses. The material should be directly relevant to those already in their own (or family) business, or who are seriously thinking of starting one. (Note that the compulsory business plan may be based on a development within an existing business.) It will also be useful for people whose careers will involve dealing with small businesses as customers, clients, suppliers, or employers.
P: Subject to approval of the MBA Director
MBAD654-23SU2 (C) **Summer (Nov 23)**
Special MBA fee also applies.

MBAD670 Special Topic
10 Points 0.0833 EFTS
P: Subject to approval of the MBA Director
MBAD670-24T1 (C) 12 Feb 2024 - 05 May 2024

MBAD671 Special Topic: International Strategy in Asia
10 Points 0.0833 EFTS
This course focuses on business strategy and practice in an international context. Drawing upon global best practice and using established international business frameworks and strategies, students will develop a client strategy to address a particular international business need. The study tour incorporates several industry visits, as well as appropriate cultural experiences in the designated country.
P: Subject to approval of the MBA Director
MBAD671-24T2 (C) 20 May 2024 - 11 Aug 2024
Special MBA fee also applies.

MBAD674 Special Topic
10 Points 0.0833 EFTS
P: Subject to approval of the MBA Director
MBAD674-24M3 (C) MBA 3
Special MBA fee also applies.

MBAM601 Digital Transformation and Technology Preparedness
15 Points 0.1250 EFTS
The course embodies the growing need for organisations to embrace a change oriented culture - with a heightened focus on organisational digital maturity in its processes, products/services, business models and its people. In doing so, the organisation's digital strategy must integrate a range of technologies that support a breadth of functions ultimately offering a superior user/customer experience. The course will explore and provide hands-on opportunities, in collaboration with industry, for participants to engage with technologies such as blockchain, IoT, AI etc. Furthermore, to be able to influence, participants will also familiarise themselves with the strategic use of business cases and risk assessment.
P: Subject to approval of the MBA Director.
MBAM601-24T3 (C) 26 Aug 2024 - 17 Nov 2024
Special MBA fee also applies.

MBAM602 Economic Uncertainty and Organisational Agility
15 Points 0.1250 EFTS
Economics is a social science. It is "the study of mankind in the ordinary business of life" (Alfred Marshall, 1842 - 1924). This course will introduce you to using the lens of economics - concepts, ideas and principles that will help you gain insights into the everyday behaviour of people, organisations, governments and nations. At the end of this course, you will find that economics is all around you - not just in the world of business but in the whole world. The emphasis is on using economic thinking to understand our complex and uncertain world and become better thinkers and decision makers as a result. You will not have all the answers by the end of this course but you will be equipped with a better set of questions to ask. The course will include a case study in a bi-cultural context.
P: Subject to approval of the MBA Director.
MBAM602-24T2 (C) 20 May 2024 - 11 Aug 2024
Special MBA fee also applies.

MBAM603 Innovation by Design
15 Points 0.1250 EFTS
Design Thinking is a people centric, collaborative, optimistic and experimental way of working to drive innovation and create customer value. It is a pragmatic approach that aims to nurture deep curiosity about an issue, unleash creativity in how to approach it, and ensure clarity when it comes to implementing solutions. In these sessions we introduce a process that can be used to approach problems with this new perspective. We work with a lot of new tools and techniques that will help teams collaborate in more creative ways. And we use these to address live business/organisational issues to show how this method can be practically applied.
P: Subject to approval of the MBA Director.
MBAM603-24T2 (C) 20 May 2024 - 11 Aug 2024
Special MBA fee also applies.

MBAM604 Data Informed Strategy
15 Points 0.1250 EFTS
Strategy is about making purposeful, explicit choices on how to build a sustainable competitive advantage and sustainable long-term profitability or impact. In this course, we will discuss various ways of thinking about organisational strategies, what tools are available to guide your thinking, and the importance of data and analytics for both the selection and implementation of such strategies. This course will prepare participants to think strategically, to ask the right questions, to identifying what data is needed to answer those questions and how to transform data into meaningful insights in order to support decision-making.
P: Subject to approval of the MBA Director.
EQ: MBAM604
MBAM604-24T1 (C) 12 Feb 2024 - 05 May 2024
Special MBA fee also applies.

MBAM605 Creating impact led enterprises
15 Points 0.1250 EFTS
This course integrates sustainability and business practice. It underscores the importance of integrating Environmental, Social, and Governance (ESG) considerations into business results, while also highlighting the risks of overlooking them. Leveraging insights from socio-economic, political, environmental, and business domains, this interdisciplinary course delves into key sustainability issues influencing today's business operations. Students will examine questions such as: How can businesses reduce their environmental impact and become more sustainable in their operations? How can they integrate sustainability considerations into strategic planning and decision-making processes? How can businesses track and report on their sustainability performance, and use this data to drive continuous improvement? Through case studies and engagement with industry experts, students will gain first-hand insight into how sustainable businesses generate value and inspire loyalty.
P: Subject to approval of the MBA Director.
MBAM605-24T1 (C) 12 Feb 2024 - 05 May 2024
Special MBA fee also applies.

MBAM610 Agile and Innovation-driven Leadership
15 Points 0.1250 EFTS
Contemporary leaders need new capabilities and mindsets for creating work-groups that can seize opportunities, overcome challenges, and create new value. These leaders build engaged, high performing teams that are characterised by rapid learning, resilience and innovation. This course provides leadership development through a blend of personal assessments, practice-related activities, reflection, discussion, and input from practising leaders. The goal is to promote leadership skills and self-awareness that equip participants for an ongoing journey of growth and development as future leaders.
P: Subject to approval of the MBA Director.
MBAM610-24X1 (C)
MBAM610-24X2 (C)
Special MBA fee also applies.

MBAM613 Societies in Smart Cities
10 Points 0.0830 EFTS
The Organisation for Economic Cooperation and Development (OECD) in its recent Transformation for Public Value report points out that cities are the first to react to transformational shifts that citizens go through. These changes can range anywhere from climate change, migration, healthcare, technological, social or economic. Quality of life for the city's residents should intertwine with organisational purpose and impact. Amazon's experience of pitting 20 cities against each other to bid for its second HQ followed by the community backlash when it selected New York City is a case in point. So, how do organisations respond? What data would organisations need to gather, harness and how can this inform organisational strategies? Societies in Smart Cities extends the deliberation of smart cities moving beyond the discussion of connected infrastructure and technology to better comprehend value and impact on society.
P: P: Subject to the approval of the Programme Director
R: MBAM606
MBAM613-24T3 (C) 26 Aug 2024 - 17 Nov 2024

MBAM614 Business Research Methods
5 Points 0.0417 EFTS
This course aims to prepare MBA students to undertake a business research consulting project. Students will be exposed to relevant business research methods that are most likely to be adopted for systematic data collection processes, inclusive of various methods of recording, analysing and interpreting data. Additionally, this course assists students in identifying the scope of their research projects based on information required to address a specific business problem. The course eventuates in a draft proposal for MBAM 680. It is intended that this course is taken towards the end of the degree's workload just prior to commencing MBAM680.
P: 90 points from MBAM601, MBAM602, MBAM603, MBAM604, MBAM605, MBAM606, MBAM610, MBAM613, MBAM615, MBAM620
MBAM614-24T1 (C) 12 Feb 2024 - 05 May 2024
MBAM614-24T2 (C) 20 May 2024 - 11 Aug 2024
MBAM614-24T3 (C) 26 Aug 2024 - 17 Nov 2024

MBAM615 Managerial Finance, Accounting and Governance
15 Points 0.1250 EFTS
This course explores how the analysis of a range of financial information is used to enhance managerial decision-making. It will look at how organisations raise capital and assess the performance of projects and investments. The course will provide students with a framework necessary to understand how important financial decisions are determined within a corporation. It will explore how a range of financial information is used to gain insights and enhance managerial decision-making. The course will also examine how value is created for shareholders and other stakeholders in a firm through investment and financing decisions. It will look at the ways organisations raise capital and assess the performance of projects and investments. The course will also emphasise cases for good corporate governance practice. The course blends theoretical aspects of managerial finance with industry practice, case studies, discussions, and financial modelling. The emphasis of the course will be on applying the financial concepts, tools, and techniques to solve real-world problems. Some working knowledge of Microsoft Excel will be useful for this course.
P: Subject to the approval of the MBA Director
MBAM615-24T2 (C) 20 May 2024 - 11 Aug 2024

MBAM620 Creative Challenge
15 Points 0.1250 EFTS
This course on Creative Challenge has been curated in the program to offer participants an opportunity to push the boundaries and challenge their own status quo by establishing a stretch goal, planning an intervention to address the challenge and working to execute it. It is imperative in designing the performance metrics or rubrics that participants incorporate a 50% likelihood that they will NOT achieve the intended goal. This will ensure the true nature of 'stretch' and 'growth'. Participants will largely be self-directed in executing the plan but will have access to guidance of a coach, industry or academic mentor.

P: MBAM 603

MBAM620-24X1 (C)

MBAM620-24X2 (C)

Special MBA fee also applies.

MBAM680 Consulting Project
45 Points 0.3750 EFTS
This course involves working with an organisation to address a practical issue of strategic importance. This course will be undertaken by participants on completion of the core courses in the program. Working through a real challenge (e.g. digital, data, innovation, strategy, or similar) the participant will need to create informed-solutions to the problem. Typical of many projects a list of recommendations or proposed next steps generally evolve. The nature of this course requires that the participant, in consultation with the organisation, implement at least one of the proposed recommendations. If deemed appropriate, a scenario implementation will be accepted.

P: MBAM601, MBAM602, MBAM603, MBAM604, MBAM605, MBAM610, MBAM614, MBAM615, MBAM620 and approval of the MBA Director.

MBAM680-24A (C) **Starts Anytime**

Special MBA fee also applies.

Business Information Systems

Business Taught Masters Programme

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MBIS601 Management of Information Systems
15 Points 0.1250 EFTS
This course introduces key principles, concepts, and theories related to the management and use of Information Systems to support organisational aims. The course covers information technology concepts, IS and business strategy, IS applications, IS acquisition, governance, IS evaluation, IS and biculturalism.

R: INFO243, INFO343

MBIS601-24S1 (C) **Semester 1**

MBIS602 Systems Analysis and Process Modelling
15 Points 0.1250 EFTS
This course covers key concepts, processes, tools, techniques, and frameworks used to analyse and specify the design of information systems, business process and data modelling, the role and responsibilities of the systems analysts, and challenges of IS development.

R: INFO223

MBIS602-24S2 (C) **Semester 2**

MBIS603 Digital Business and Technology
15 Points 0.1250 EFTS
This course covers key concepts, principles and frameworks related to digital business strategy and implementation including Business-to-Consumer and Business-to-Business eCommerce and technology infrastructure needed to support these systems. This course explores ethical, legal, and societal issues relating to internet technology use by organisations.

R: INFO253

MBIS603-24S1 (C) **Semester 1**

MBIS621 Project Management
15 Points 0.1250 EFTS
This course covers core principles, tools, and techniques for successful IT project management, the role and responsibilities of a project manager and challenges of IT project management.

R: INFO393

MBIS621-24S2 (C) **Semester 2**

MBIS622 IS Security and Risk Management
15 Points 0.1250 EFTS
This course examines how organisations manage risk and eSecurity associated with their information systems. Topics include management, analysis and application of secure e-Business systems including security policy and network management.

R: INFO333

MBIS622-24S2 (C) **Semester 2**

MBIS623 Data Management
15 Points 0.1250 EFTS
This course introduces students to a range of topics that underpin the successful use and management of databases in contemporary organisations. The course exposes the students to associated real life issues related to data management and database management systems.

R: INFO260

MBIS623-24S1 (C) **Semester 1**

MBIS623-24S1 (D) **Semester 1**

MBIS680 Research Project
45 Points 0.3750 EFTS
This course will provide advanced analytical, theoretical and practically applied business and information-systems related insight and competencies in the areas relevant to the learning objectives of the programme.

P: Subject to approval of the Head of Department

MBIS680-24S1 (C) **Semester 1**

MBIS680-24S2 (C) **Semester 2**

MBIS691 Information Systems Internship
30 Points 0.2500 EFTS
The internship aims to provide exposure to challenges faced by an organisation through experiential learning. This will reinforce and develop knowledge from other MBIS and graduate courses by providing students with an opportunity to apply IS theory to practice. The internship aims to foster the further development of knowledge and/or expertise in relation to information systems, as well as problem solving, risk management, project management, and reflection and communication skills.

P: (1) 60 points from MBIS; (2) Subject to the approval of the Director of Business Taught Masters.

MBIS691-24S2 (C) **Semester 2**

Business Management

Business Taught Masters Programme

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MBAZ601 Accounting for Managers
15 Points 0.1250 EFTS
The generation, analysis and interpretation of financial statements as well as the use of financial information for internal and external decision-making.

MBAZ601-24S1 (C) **Semester 1**

MBAZ601-24S2 (C) **Semester 2**

MBAZ602 Business Economics
15 Points 0.1250 EFTS
This course introduces and applies economic principles, concepts and ways of thinking. The focus is on using the lens of economics to view the world. By doing this we gain insight and understanding into people, organisations and issues that matter to society.

R: Any 15 points in ECON at 300-level or above.

MBAZ602-24S1 (C) **Semester 1**

MBAZ602-24S2 (C) **Semester 2**

MBAZ603 Managerial Finance
15 Points 0.1250 EFTS
The application of financial techniques, tools and principles needed to assess the performance of projects and organisations and consider the economic viability of their ongoing success. A consideration of financial risk management and the process required to minimize such risks in different organisational settings.

R: FINC201; MBAM615

MBAZ603-24S1 (C) **Semester 1**

MBAZ603-24S2 (C) **Semester 2**

MBAZ604 Business Research Methods
15 Points 0.1250 EFTS
Business research methods including statistical and qualitative approaches are introduced. Students will develop the knowledge and skills required to undertake academic and professional research in the field of business.

MBAZ604-24S1 (C) **Semester 1**

MBAZ605 Business Law
15 Points 0.1250 EFTS
Covering business law structures and regulations this course provides students with the insight, understanding and practical skills to develop strategic direction and solve business problems while effectively adhering to legal requirements.

R: ACCT252, ACCT256, LAWS203 & LAWS206

MBAZ605-24S1 (C) **Semester 1**

MBAZ605-24S2 (C) **Semester 2**

MBAZ671 Applied Marketing Project
30 Points 0.2500 EFTS
The Applied Marketing Project is designed to provide applied research project based learning experiences within the Business Taught Masters programme. This course offers an overview of research process and select methods and their application in marketing. The course builds on the foundations of marketing (MBUS601) and deepens students' understanding of select research techniques. The course consists of in-class time and students' own research time. Students will be required to conduct, report on and present their own research as a professional practitioner would.

P: (1) MBUS601; and (2) MBAZ604

MBAZ671-24S2 (C) **Semester 2**

MBAZ672 Evidence Based Human Resource Management
30 Points 0.2500 EFTS
This course is designed to develop the Evidence-based management (EBMgt) capability of students. EBMgt is the systematic, evidence-informed practice of management, incorporating scientific knowledge in the content and process of managerial decision making (Rousseau, 2012). We examine the practice of EBMgt within the context of contemporary issues in human resource management (HRM) such as the impact of HRM practices on business performance, key general principles in managing people, and managing people in dynamic and complex situations that are typical in today's global environment.

P: MBUS603, MBAZ604

MBAZ672-24S2 (C) **Semester 2**

MBAZ673 Innovation
15 Points 0.1250 EFTS
This course is designed to expose students to innovation challenges faced by organisations through experiential learning. This will reinforce and develop knowledge from other postgraduate courses by providing students with the opportunity to apply concepts to innovation-centric problems.

P: (1) 60 points from MBAZ, MBUS, MPAC, MBIS, MFIN; or (2) 30 points from PROD at 600-level (01 Jan 2021 - present); or (3) with approval from the Head of Department.

MBAZ673-24S2 (C) **Semester 2**

MBAZ674 Critical Thinking and Problem Solving
15 Points 0.1250 EFTS
Critical thinking is not negative thinking. Rather, it is careful thinking. This 12-weeks course teaches students a wide variety of tools for reasoning in both business context and daily life. It starts with some basic principles of logic-on what arguments are and how to evaluate them to see if they are rationally persuasive. The tools this course covers include Mill's methods, rules of inferences, and how to identify common fallacies of reasoning. The skills taught are highly valued in the business world, and include an enhanced ability to assess information and arguments critically and think independently about them. This is a course for every business student.

P: 60 points from MBAZ, MBUS, MPAC, MBIS, MFIN

MBAZ674-24S2 (C) **Semester 2**

MBAZ680 Consultancy Project
45 Points 0.3750 EFTS
Provide advanced analytical, theoretical and practically applied business insight and competencies in the areas relevant to the learning objective of the programme.

P: Subject to the approval of the Programme Director

MBAZ680-24A (C) **Starts Anytime**
MBAZ680-24S1 (C) **Semester 1**
MBAZ680-24S2 (C) **Semester 2**

MBAZ681 Placement
45 Points 0.3750 EFTS
Exposure to challenges faced by organisation through experiential learning. This will reinforce and develop knowledge from other MBM or MPA courses by providing students with the opportunity to apply theories to practice. It will also further develop students' communication skills.

P: Subject to the approval of the Programme Director

MBAZ681-24S1 (C) **Semester 1**
MBAZ681-24S2 (C) **Semester 2**

MBUS601 Marketing
15 Points 0.1250 EFTS
Consideration of marketing theory and practice. Students will gain an advanced understanding of how marketing plans are developed and implemented.

R: MKTG201

MBUS601-24S1 (C) **Semester 1**

MBUS602 Leadership
15 Points 0.1250 EFTS
To provide an in-depth understanding of leadership theories and their application to practice.

MBUS602-24S1 (C) **Semester 1**

MBUS603 Managing People and Performance
15 Points 0.1250 EFTS
To provide an in-depth understanding of managing people and performance that is academically sound and professionally relevant.

R: MGMT207

MBUS603-24S1 (C) **Semester 1**

MBUS626 Digital Marketing
15 Points 0.1250 EFTS
This course offers an advanced examination of marketing practices on the Internet. MBUS626 draws specific attention to the role of online, mobile, and social media marketing techniques on contemporary business practices. The course prepares students for using digital marketing platforms and decision making in the modern workplace. The course uses a combination of theoretical learning through traditional lecturing and hands on experience with online tools, such as Google Analytics. Concepts will be drawn from a variety of sources to help understand how the Internet can be used as not only a communication tool, but also a medium of exchange and engagement. Theories and concepts will be drawn from a variety of sources to aid in students' understanding of the role the Internet plays in organisations' marketing endeavours. The course extends the existing marketing offerings by going into far greater depth with online and digital media.

C: MBUS601
R: MKTG316

MBUS626-24S1 (C) **Semester 1**

MBUS627 Event Marketing and Management
15 Points 0.1250 EFTS
This course provides concepts and skills for planning, organizing and marketing of events. The business of events is global and includes the notion of MICE (Meetings, Incentives, Conferences and Events).This course will specifically focus on understanding the event life cycle, beginning with the idea or theme of the event, up to assessing feasibility, bidding campaign, event and meeting planning, event and meeting management, event branding, use of media technologies for events and meetings, facility management, event sustainability and event legacy. This course has also a focus on the practice of organizing and hosting a meeting or event, and therefore has a strong applied component.

C: MBUS601
R: MKTG340

MBUS627-24S1 (C) **Semester 1**

MBUS644 Principles of Business Sustainability
15 Points 0.1250 EFTS
Concurrent to supply chain fundamentals, this course provides foundational concepts for understanding sustainability from a business perspective. Systems concepts, incorporating both ecological and social domains are integrated into the dominant logics of business so as to create a conceptual framework for students moving forward in the supply chain degree. All subsequent courses will build on the sustainability foundation established in this course.

MBUS644-24S2 (C) **Semester 2**

MBUS651 Business Development and Entrepreneurship
15 Points 0.1250 EFTS
A study of contemporary theory and practice in business development and entrepreneurship.

R: (MGMT343 and MGMT344) or (MGMT321 and MGMT320).

MBUS651-24S2 (C) **Semester 2**

Cellular and Molecular Biology

Te Kura Pūtaiao Koiora | School of Biological Sciences

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

CEMB690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.

CEMB690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

CEMB790 Cellular and Molecular Biology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.

CEMB790-24A (C) **Starts Anytime**
CEMB790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Chemical and Process Engineering

Te Tari Pūhanga Tukanga Matū | Department of Chemical and Process Engineering

ENCH199 Workshop Training Course for Chemical and Process Engineering
0 Points 0.0000 EFTS
Compulsory workshop training course for Chemical and Process Engineering students.
P: Subject to approval of the Dean of Engineering
ENCH199-24W (C) **Whole Year (S1 and S2)**

ENCH241 Engineering Chemistry 2
15 Points 0.1250 EFTS
Organic, inorganic, analytical and physical chemistry.
P: Subject to approval of the Dean of Engineering and Forestry.
ENCH241-24S2 (C) **Semester 2**

ENCH281 Principles Of Biology For Engineers
15 Points 0.1250 EFTS
An introduction to biology, bioprocessing and biotechnology for engineers.
P: Subject to approval of the Dean of Engineering and Forestry.
R: BIOL 111 (BCHM 111)
ENCH281-24S2 (C) **Semester 2**

ENCH291 Mass and Energy Balances
15 Points 0.1250 EFTS
Mass and energy balance calculations are the essential parts of the solution of many complex chemical engineering problems. They assist in the planning and design of processes, in the economic evaluation of the proposed and existing processes, in process control, and in process optimization. In this course, students will learn a systematic procedure for solving mass and energy balance problems including drawing and labelling for a flowchart, performing a degree-of-freedom analysis, making appropriate chemical engineering assumptions etc. Students will be able to analytically examine and predict the mass and energy balances around single or multiple unit operation(s) involving gases and liquids, recycle, bypass or purge streams with or without chemical reactions.
P: Subject to approval of the Dean of Engineering and Forestry.
ENCH291-24S1 (C) **Semester 1**

ENCH292 Heat and Mass Transfer Operations
15 Points 0.1250 EFTS
An introduction to the physics of heat-transfer and mass-transfer that underpin process technologies. The course is taught using a first principles basis to explain the underpinning concepts relevant to heat and mass transfer, and to illustrate similarities and differences between these processes. Examples from every day situations, as well as chemical engineering applications, are used to clarify the concepts taught in class.
P: Subject to approval of the Dean of Engineering and Forestry.
ENCH292-24S2 (C) **Semester 2**

ENCH293 Fluid Mechanics 1
15 Points 0.1250 EFTS
This course will provide a basic understanding of the behaviour of fluids on the macro- and micro- scale, where students are able to design pipe and pumping systems for single-phase fluids. There will also be unit conversion, dimensional analysis, and scale-up.
P: Subject to approval of the Dean of Engineering and Forestry.
ENCH293-24S1 (C) **Semester 1**

ENCH295 Chemical Engineering Professional Practice
15 Points 0.1250 EFTS
This course will introduce the students to the chemical engineering laboratory environment and process safety. It will also build on the professional skills introduced in ENGR101 such as sketching, ethics and report writing.
P: Subject to the approval of the Dean of Engineering and Forestry.
ENCH295-24W (C) **Whole Year (S1 and S2)**

ENCH296 Chemical Engineering Thermodynamics
15 Points 0.1250 EFTS
An introduction to concepts and principles in chemical and process thermodynamics. This course includes the 1st and 2nd Laws, equilibrium and reversibility, ideal gas process calculations and refrigeration and heat pump cycles.
P: Subject to the approval of the Dean of Engineering and Forestry.
ENCH296-24S2 (C) **Semester 2**

ENCH298 Chemical Engineering Mathematics
15 Points 0.1250 EFTS
Modelling, analytical and numerical mathematics for solving chemical engineering problems, including algebraic systems, ordinary and partial differential equations, complex numbers, Fourier and Laplace transforms.
P: Subject to approval of the Dean of Engineering and Forestry
ENCH298-24S1 (C) **Semester 1**

ENCH390 Process Engineering Design 1
15 Points 0.1250 EFTS
This is one of key courses in chemical engineering which covers methods for the quantitative analysis of chemical and process modelling and applications, unit operation and overall process mass and energy balances, optimisation, heat exchanger design, and sustainability assessment. It also includes guidelines for society and cultural implications of process decisions and how to engage with iwi and local communities, and some practical and effective guidelines on how to do this.
ENCH390-24S1 (C) **Semester 1**

ENCH391 Process Systems and Control
15 Points 0.1250 EFTS
An introduction to process dynamics and process control technology.
P: ENCH298 (from 2016)
ENCH391-24S2 (C) **Semester 2**

ENCH392 Thermodynamics And Chemical Reaction Engineering
15 Points 0.1250 EFTS
Thermodynamics of fluids and phase equilibrium and the fundamentals of chemical reaction engineering. Thermodynamic topics covered include: volumetric properties of fluids, thermodynamic properties of pure fluids, behaviour of solutions and phase equilibria. Chemical reaction engineering topics covered include: reaction kinetics and rate equations, reactor design, collection and analysis of kinetic data, the effect of mass transfer on chemical reaction, mixing and non-ideal flow in reactors.
P: ENCH296, ENCH241
ENCH392-24S1 (C) **Semester 1**

ENCH393 Fluid Mechanics and Heat Transfer
15 Points 0.1250 EFTS
This is a key course in chemical engineering covering fluid mechanics and industrial applications, particle technology and heat transfer. These topics provide the knowledge and tools which enable the design and analysis of many chemical engineering processes.
P: ENCH292, ENCH293
ENCH393-24S1 (C) **Semester 1**

ENCH394 Process Engineering Design 2
15 Points 0.1250 EFTS
This course introduces students to key concepts of process design, including the detailed design of unit operations. The course builds on the topics covered in the 2nd year and ENCH390 Process Design 1 and begins to explores how unit operations can interact to shift the overall optimal operating conditions away from, say, the conditions that optimise a reactor alone. The course also extends the process safety concepts introduced in ENCH295 to cover quantitative analysis techniques and provides an introduction to materials engineering for chemical engineers.
An introduction to engineering materials is also provided to guide students to select proper materials for their process design and future applications. Considering that most industry relies on technology, and the world is in patent war, an introduction to intellectual property will be given.
P: ENCH291
ENCH394-24S2 (C) **Semester 2**

ENCH395 Process Engineering Laboratories
15 Points 0.1250 EFTS
Laboratory and pilot-plant experiments, design and analysis of experiments using statistical methods, and computational tools useful for analysing data.
P: ENCH295
ENCH395-24W (C) **Whole Year (S1 and S2)**

ENCH396 Chemical Engineering Separations 1
15 Points 0.1250 EFTS
An introduction to the fundamental principles of equilibrium conditions and heat and mass transfer. Consistent methodology is applied to demonstrate how fundamental principles are used to design and operate separation unit operations. Example unit operations include washing and leaching, distillation, gas absorption, membranes, humidification, and drying.
P: ENCH292
ENCH396-24S1 (C) **Semester 1**

ENCH475 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENCH475-24W (C) **Whole Year (S1 and S2)**
ENCH475-24S1 (C) **Semester 1**
ENCH475-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

ENCH482 Bioprocess Engineering 2
15 Points 0.1250 EFTS
This course focuses on the priciples of bioseparation processes: cellular fractionation, filtration, chromatography, electrophoresis, immunoaffinity techniques and their application to various types of biomolecules. It includes a hands-on laboratory to separate a target microbially-produced protein by chromatography and assay the purity by electrophoresis.
P: ENGR407
ENCH482-24S1 (C) **Semester 1**

ENCH483 Advanced Energy Processing Technologies and Systems
15 Points 0.1250 EFTS
This course will introduce processing technologies and systems for production of hydrogen, syngas, liquid fuel as well as heat and power from various energy resources with focus on renewable resources (such as biomass). Energy related environmental issues and analysis, CO2 capture technologies and energy system optimization will be covered. Energy storage including mechanical, electrochemical (batteries) and thermal energy storages, as well as advanced materials for efficient energy storage/processing will be introduced.
P: ENGR404
ENCH483-24S1 (C) **Semester 1**

ENCH484 Advanced Modelling and Simulation
15 Points 0.1250 EFTS
This course provides a detailed introduction to numerical methods used in chemical engineering. The course includes an introduction to the theory of numerical methods, optimization theory, deterministic and stoichastic modeling, and empirical parameter estimation for chemical processes, as well as practical guidance on the implementation of these tools to a variety of problems.
P: ENCH391 Process Systems and Control
ENCH484-24S1 (C) **Semester 1**

ENCH494 Process Engineering Design 3
30 Points 0.2500 EFTS
A group project, where students have the opportunity to go through all the steps of designing a process plant including feedstock and process selections, mass and energy balances, control strategy, project economics, process safety, environmental impact, and community engagement.
P: a pass in all compulsory Second Professional Year courses, ENCH496 and ENCH497
ENCH494-24S2 (C) **Semester 2**

ENCH495 Research Project
30 Points 0.2500 EFTS
An independent research project introducing students to planning a research project, literature searching, design of equipment, development of project plan/timeline, laboratory work and/or computer simulations as well as presentation and research report writing.
P: a pass in all compulsory Second Professional Year courses
ENCH495-23SU2 (C) **Summer (Nov 23)**
ENCH495-24W (C) **Whole Year (S1 and S2)**

ENCH496 Advanced Separations
15 Points 0.1250 EFTS
Advanced topics in separation methods including: packed column and multicomponent distillations, evaporation, advanced membrane separations, adsorption, supercritical technology, separations in environmental engineering, sedimentation and centrifugation.
P: ENCH396
ENCH496-24S1 (C) **Semester 1**

ENCH497 Process Management
15 Points 0.1250 EFTS
Engineering economics and finance, project management, design and investment decisions, ethics, and safety in the process industry.
ENCH497-24S1 (C) **Semester 1**

ENGR401 Computational Fluid Dynamics
15 Points 0.1250 EFTS
Theoretical and practical aspects of Computational Fluid Dynamics, including the theory of fluid flow equations, numerical methods of solving these equations, turbulence, and experience with a commercial CFD software.
P: ENME304 or ENME314, or ENCH393, or ENCN342 and EMTH210 ENME201 ENME202 ENME215 EMTH271 ENME203 ENME207 ENME221
ENGR401-24S1 (C) **Semester 1**

ENGR404 Emerging Energy Technologies and Management
15 Points 0.1250 EFTS
This course explores various emerging technologies related to the needs for renewable energy demand, supply and processing. It includes topics such as wind, solar, geothermal and biomass energy resources and processing technologies. Energy demands and greenhouse gas (GHG) emissions in New Zealand as well as energy storage technologies will also be discussed. This course will also discuss the applications of catalysis in the production of energy carriers, starting at a basic level, and includes sections on adsorption and surface science, catalytic kinetics, evaluation on the modern catalytic processes in oil/gas refinery and studying key characteristics of emerging nanomaterials that enable them to become an effective catalyst in energy applications.
P: ENCH291 or subject to approval of the Director of Studies.
R: ENME405, ENME605
ENGR404-24S2 (C) **Semester 2**

ENGR407 Bioprocess Engineering 1
15 Points 0.1250 EFTS
Engineering biochemistry covering enzyme kinetics, metabolism and applied molecular biology.
P: ENCH281 or subject to approval of the Director of Studies
ENGR407-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENCH690 Chemical and Process Engineering M.E. Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENCH690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ENCH790 Chemical and Process Engineering PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENCH790-24A (C) **Starts Anytime**
ENCH790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Chemistry

Te Kura Matū | School of Physical and Chemical Sciences

Note: Timetable information for Chemistry courses will be available at www.canterbury.ac.nz/courses from 1 February 2010.

CHEM111 Chemical Principles and Processes
15 Points 0.1250 EFTS
Atoms and the periodic table; chemical bonding; reduction and oxidation reactions; properties of gases; introduction to thermodynamics; kinetics; chemical equilibrium; Gibbs energy and the second law of thermodynamics; aqueous chemistry; acid-base equilibrium.
P: (1) NCEA: at least 14 credits NCEA Level 3 Chemistry, or (2) CIE: at least D grade in CIE AL Chemistry or A grade in CIE ASL Chemistry, or (3) IB: at least Grade 4 in IB HL Chemistry or Grade 6 in IB SL Chemistry, or (4) CHEM114, or at least B Grade in BRDG023 or TRNS006.
CHEM111-24S1 (C) **Semester 1**
CHEM111-24S2 (C) **Semester 2**

CHEM112 Structure and Reactivity in Chemistry and Biochemistry
15 Points 0.1250 EFTS
Structure, isomerism, stereochemistry, synthesis, and reaction mechanisms in organic chemistry; transition metal chemistry and electrochemistry.
P: (1) NCEA: at least 14 credits NCEA Level 3 Chemistry, or (2) CIE: at least D grade in CIE AL Chemistry or A grade in CIE ASL Chemistry, or (3) IB: at least Grade 4 in IB HL Chemistry or Grade 6 in IB SL Chemistry, or (4) CHEM114, or at least B Grade in BRDG023 or TRNS006.
R: BCHM112
EQ: BCHM112
CHEM112-24S2 (C) **Semester 2**

CHEM114 Foundations of Chemistry
15 Points 0.1250 EFTS
A preparatory course for biological sciences and other non-specialists, assuming minimal preparation in Chemistry. There is an emphasis on the properties of materials and biological systems. Atoms, molecules, mole concept, chemical equations, stoichiometry; electron configuration, bonding; molecular structure; energy changes and kinetic factors in chemical reactions; aqueous chemistry; introductory organic chemistry.

R: (1) NCEA: 14 credits NCEA Level 3 Chemistry, or (2) CIE: at least D grade in CIE AL Chemistry or A grade in CIE ASL Chemistry, or (3) IB: at least Grade 4 in IB HL Chemistry or Grade 6 in IB SL Chemistry, or (4) at least B Grade in BRDG 022 or BRDG 023. Students who have been credited with any of CHEM 111, CHEM 112 or BCHM 112 cannot subsequently be credited with CHEM 114. Concurrent enrolment in CHEM 114 and CHEM 111 is not permitted.

CHEM114-24S1 (C) **Semester 1**

CHEM211 Molecules
15 Points 0.1250 EFTS
Atoms and covalent molecules; molecular spectroscopy and characterisation; periodicity and trends: the modern periodic table.

P: CHEM111

CHEM211-24S1 (C) **Semester 1**

CHEM212 Chemical Reactivity
15 Points 0.1250 EFTS
Structures and properties of organic and biological molecules; application of kinetics and thermodynamics to organic and biochemical reactions; substitution and elimination chemistry; bioinorganic chemistry and electrochemistry

P: CHEM112 or BCHM112 or ENCH241
R: BCHM212
EQ: BCHM212

CHEM212-24S1 (C) **Semester 1**

CHEM242 Organic Chemistry
15 Points 0.1250 EFTS
Reaction mechanisms; synthesis and biosynthesis of organic compounds.

P: CHEM212 or BCHM212
R: BCHM206
EQ: BCHM206

CHEM242-24S2 (C) **Semester 2**

CHEM246 Introduction to Medicinal Chemistry
15 Points 0.1250 EFTS
This course is an introduction to the basic concepts of Medicinal Chemistry. The course will consider how many drugs/pharmaceuticals work, correlating their precise molecular structure with that of their biological targets. The course will also introduce pharmacokinetics, and consider how Medicinal Chemists can optimize the molecular properties of a drug molecule to produce compounds that display enhanced biological effects in living organisms.

P: CHEM212 or BCHM212

CHEM246-24S2 (C) **Semester 2**

CHEM247 Analytical Chemistry
15 Points 0.1250 EFTS
This course introduces quantitative analytical techniques. Topics covered include sample collection, sample preparation including separation techniques, instrumental analyses and assessing the reliability of results. Students will gain experience with in-situ and laboratory techniques.

P: CHEM 111 or CHEM 112 (BCHM 112)

CHEM247-24S1 (C) **Semester 1**

CHEM251 Foundations of Materials Science and Nanotechnology
15 Points 0.1250 EFTS
This course covers foundational topics in materials science and nanotechnology, including molecular symmetry, quantum mechanics, transition metal chemistry and electromagnetic properties of materials.

P: CHEM211 or (CHEM111 and PHYS102)
R: CHEM241 and CHEM245

CHEM251-24S2 (C) **Semester 2**

CHEM281 Practical Chemistry
15 Points 0.1250 EFTS
This course is required to major in chemistry and preferably it is taken in conjunction with other 200-level chemistry courses. The topics covered in this course are: preparative organic and inorganic chemistry; purification of chemicals including chromatography; practical spectroscopy and basic analytical methodology; data analysis, errors and Excel competence. Kinetic and thermodynamic measurements on solutions.

P: 1. CHEM111 and CHEM112 (BCHM112) or 2. CHEM212
R: BCHM281

CHEM281-24S1 (C) **Semester 1**

CHEM327 Special Topic
15 Points 0.1250 EFTS
Selected lectures, tutorials and assignments from courses relevant to chemistry. Exchange students and new enrolments only may enrol in this course. Credits for this course may not be used to satisfy the requirements of a University of Canterbury degree. Internally assessed.

P: Entry subject to approval of the Head of Department.

CHEM327-24S2 (C) **Semester 2**

CHEM328 Special Topic
15 Points 0.1250 EFTS
Selected lectures, tutorials and assignments from courses relevant to chemistry. Exchange students and new enrolments only may enrol in this course. Credits for this course may not be used to satisfy the requirements of a University of Canterbury degree. Internally assessed.

P: Entry subject to approval of the Head of Department.

CHEM328-24S2 (C) **Semester 2**

CHEM330 Introductory Research in the Chemical Sciences
15 Points 0.1250 EFTS
This course involves a research project (approximately 150 hours) in the Chemical Sciences under the supervision of a staff member from the School of Physical and Chemical Sciences. Assessment is through a supervisor's grade, a written report and an oral presentation. Entry to the course requires a supervisor approved by the Head of School, being available. This course may not be used to satisfy the requirements for a Chemistry or Medicinal major, nor the requirements for entry to postgraduate study in Chemistry or Medicinal Chemistry.

P: Either: CHEM281 or BCHM281, plus 45 points from 200 level CHEM, BCHM212, BCHM206 + GPA >8, Or: CHEM281 or BCHM281, CHEM381 or CHEM382, + 45 points from 200 level CHEM, BCHM212, BCHM206. With permission of the HoS, CHEM382 may be taken concurrently.

CHEM330-23SU2 (C) **Summer (Nov 23)**
CHEM330-24S1 (C) **Semester 1**
CHEM330-24S2 (C) **Semester 2**

CHEM333 Chemical Physics and Spectroscopy
15 Points 0.1250 EFTS
This course develops concepts and models needed to realistically describe and characterize useful properties of molecules and materials. Topics include dynamic electrochemistry, thermodynamics, statistical mechanics and spectroscopy, photochemistry and lasers

P: CHEM251 or CHEM243

CHEM333-24S2 (C) **Semester 2**

CHEM335 Organometallic Chemistry and Catalysis
15 Points 0.1250 EFTS
This course covers important concepts in organometallic chemistry and catalysis, including organometallic reactivity, homogeneous catalysis, heterogeneous catalysis, nanostructured materials, and industrial aspects of catalysis.

P: CHEM251 or CHEM241
R: CHEM321

CHEM335-24S2 (C) **Semester 2**

CHEM336 Supramolecular Chemistry and Molecular Engineering
15 Points 0.1250 EFTS
This course covers important concepts in supramolecular chemistry molecular engineering, including the synthesis of organic building blocks and assembly of complex molecular architectures and functional molecules. Concepts include the role of non-covalent bonding in supramolecular chemistry and structure-function relationships in molecular properties.

P: CHEM242 (BCHM206) or CHEM251
R: CHEM322

CHEM336-24S1 (C) **Semester 1**

CHEM337 Organic Synthesis
15 Points 0.1250 EFTS
This course covers important concepts in organic synthesis, including modern synthetic reagents and transformations; reactive intermediates in synthesis; stereoselective synthesis.

P: CHEM242 or BCHM206
R: CHEM322

CHEM337-24S2 (C) **Semester 2**

CHEM338 Chemical Biology and Protein Chemistry
15 Points 0.1250 EFTS
This course covers important concepts in chemical biology: the application of chemical techniques, tools, analyses, and synthetic chemicals, to the study and manipulation of the molecular processes taking place within cells.

P: CHEM212 or BCHM212
R: BCHM338, CHEM325, BCHM302
RP: BCHM202 (BIOL231)
EQ: BCHM338

CHEM338-24S1 (C) **Semester 1**

CHEM339 Bioinorganic and Bioorganic Chemistry
15 Points 0.1250 EFTS
This course covers the chemical principles underlying selected important biological processes. The topics covered will be: bio-inorganic chemistry and electrochemistry; metal ions in biology & toxicology; case-studies in contemporary bio-organic chemistry.
P: CHEM212 or BCHM212.
R: BCHM339, CHEM325, BCHM302
RP: CHEM242 or BCHM206
EQ: BCHM339
CHEM339-24S2 (C) Semester 2

CHEM340 Environmental Chemistry and Toxicology
15 Points 0.1250 EFTS
Environmental chemistry and toxicology covers the study of chemistry in the biosphere and the impact of humankind on them. The course will cover: the properties of atmospheric, terrestrial and aquatic systems; environmental pollutants, and the analytical methods used to monitor them; mechanisms of toxicity of environmental pollutants and their impact on the environment; assessment of environmental risks.
P: 15 points from CHEM281, BCHM281 or CHEM247, plus 15 points from ENVR201, CHEM211, CHEM212, BCHM212, CHEM255 or CHEM251
R: CHEM324
CHEM340-24S1 (C) Semester 1

CHEM342 Aromatic, heterocyclic, and pharmaceutical chemistry
15 Points 0.1250 EFTS
This course is about the structure and reactivity of aromatic and heterocyclic molecules, and how this reactivity is used in the synthesis of important and interesting compounds, particularly modern pharmaceuticals / drugs. The topics covered by this course are: aromatic chemistry, heterocyclic chemistry and pharmaceutical chemistry.
P: CHEM242 or BCHM206
R: CHEM322, CHEM362
CHEM342-24S1 (C) Semester 1

CHEM343 Materials Science and Nanotechnology
15 Points 0.1250 EFTS
This course applies the fundamental physical and chemical principles learnt previously to predict and explain the properties of materials at the nano-scale. Topics include nanotechnology, materials fabrication and characterization, polymers, and applied computational chemistry.
P: CHEM251 or CHEM243
CHEM343-24S1 (C) Semester 1

CHEM346 Contemporary Medicinal Chemistry
15 Points 0.1250 EFTS
This course covers several topics in modern medicinal chemistry, focusing on a range of important disease states that have been the focus of attention of medicinal chemists and the pharmaceutical industry. These include: antimicrobial drugs, anti-cancer drugs, neurochemical and cardiovascular drugs, and bioactive natural products from NZ and the Pacific regions, including their uses in Rongoa, and modes of action.
P: CHEM246.
RP: CHEM212, CHEM242
CHEM346-24S1 (C) Semester 1

CHEM347 Drug Discovery and Development
15 Points 0.1250 EFTS
This course covers the drug discovery and development process, all the way from lead generation, to structure optimisation, synthetic production, the protection and development of intellectual property, and crossing regulatory hurdles and clinical trials. As part of the course students will participate in an interactive mock drug discovery exercise. The course will also comprise significant Bicultural components, including ethical and legal considerations of obligations under the Treaty of Waitangi, Treaty Claims, and the rights of Indigenous peoples.
P: CHEM342, CHEM346.
RP: CHEM212, CHEM242
CHEM347-24S2 (C) Semester 2

CHEM381 Advanced Synthetic Techniques
15 Points 0.1250 EFTS
Synthetic organic and inorganic chemistry incorporating library skills, and modern structural elucidation techniques such as 2D-NMR and X-ray crystallography.
P: (CHEM 281 or BCHM 281) and CHEM 212.
RP: Additional 30 points from CHEM 211, CHEM 242 and CHEM 251.
CHEM381-24S1 (C) Semester 1

CHEM382 Energy, Environmental and Materials Chemistry Lab
15 Points 0.1250 EFTS
Applications of modern instrumental techniques to problems in environmental chemistry and materials science, with a focus on renewable energy production and storage. This laboratory course includes a series of set experiments and project work. Emphasis is on data analysis, communication skills and self-directed investigations.
P: (CHEM281 or BCHM281) and (CHEM211 or CHEM251 or (CHEM111 and CHEM247)).
RP: 30 points from CHEM211 - CHEM255.
CHEM382-24S2 (C) Semester 2

BCHM438 Molecular Dynamics
15 Points 0.1250 EFTS
This course is about modelling the behaviour of macromolecular systems (e.g. biomacromolecules such as proteins or supramolecular assemblies such as metal-organic framework materials), using molecular dynamics. The topics covered by this course are: - Force fields (molecular mechanics) and equations of motion (molecular dynamics) - Controlling temperature, pressure, volume within simulations - Practical considerations when running molecular dynamics simulations - Assessing how well simulations match experiment
P: Approval by the Tumuaki Kura | Head of School
R: CHEM438
EQ: CHEM438
BCHM438-24S1 (C) Semester 1

CHEM438 Molecular Dynamics
15 Points 0.1250 EFTS
This course is about modelling the behaviour of macromolecular systems (e.g. biomacromolecules such as proteins or supramolecular assemblies such as metal-organic-framework materials), using molecular dynamics. The topics covered by this course are: - Force fields (molecular mechanics) and equations of motion (molecular dynamics) - Controlling temperature, pressure, volume within simulations - Practical considerations when running molecular dynamics simulations - Assessing how well simulations match experiment
P: Approval by the Tumuaki Kura | Head of School
R: BCHM438
EQ: BCHM438
CHEM438-24S1 (C) Semester 1

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

CHEM415 Special Topic
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department.
CHEM415-24W (C) Whole Year (S1 and S2)
CHEM415-24S1 (C) Semester 1

CHEM417 Special Topic
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department.
CHEM417-24S1 (C) Semester 1

CHEM430 Research Methods 1: Research Proposal and Ethics
15 Points 0.1250 EFTS
This course comprises a series of workshops of advanced study in contemporary research methodology in the chemical sciences, such as research and professional scientific communication skills including written, visual and oral communication; directed inquiry and problem solving skills; critical analysis and in-depth studies in specific specialised areas of contemporary chemical research. The topics covered by this course are: - Writing a research proposal - Writing a quality assessment plan for research activities - Ethics of publishing - Ethics of research
CHEM430-24S1 (C) Semester 1

CHEM431 Research Methods 2: Literature Review and Poster Design
15 Points 0.1250 EFTS
This course comprises a series of workshops of advanced study in contemporary research methodology in the chemical sciences, such as research and professional scientific communication skills including written, visual and oral communication; directed inquiry and problem solving skills; critical analysis and in-depth studies in specific specialised areas of contemporary chemical research. The topics covered by this course are: - Writing a literature review - Designing and presenting a poster
CHEM431-24S2 (C) Semester 2

CHEM432 Organic Chemistry
15 Points 0.1250 EFTS
This course is about the organic chemistry at a higher level. The topics covered by this course are: - carbohydrate chemistry - pericyclic reactions, and their applications in synthesis - applications of transition metal catalysis in synthesis
P: CHEM337 or CHEM322
RP: CHEM337 or CHEM322
CHEM432-24S1 (C) Semester 1

CHEM433 Toxicology and Methods in Drug Discovery
15 Points 0.1250 EFTS
If you are interested in human and animal health, how biological systems work at the molecular level and are passionate about how you can apply your science skills and knowledge in health-related areas, then this is the course for you. In this course we introduce you to the basic concepts of drug development. Starting with an overview of drug development from disease to practical real-world treatments, the course then focuses on key early aspects in the drug development process; molecular basis for disease, target identification and lead development. We introduce the modern shift to biopharmaceuticals, and important in-vitro drug-testing techniques. We then address toxicological considerations, which are critical in drug development. Self-directed learning topics will reinforce the concepts presented and allow you to extend your understanding into the later stages of the drug development (i.e. regulatory, toxicological, environmental and clinical testing considerations).

P: CHEM337 or CHEM322 or BCHM338
RP: CHEM337 or CHEM322 or BCHM338
CHEM433-24S2 (C) **Semester 2**

CHEM434 Kinetics and Spectroscopy
15 Points 0.1250 EFTS
If you want to really understand chemistry, this is the course for you: it applies the fundamental physical and chemical principles developed in CHEM333 and CHEM343 to predict, explain and understand properties, structure and reactivity at a microscopic level. The topics covered by this course are: - Spectroscopy and quantum mechanics - Advanced reaction kinetics

P: CHEM333 or CHEM343
RP: CHEM333 or CHEM343
CHEM434-24S1 (C) **Semester 1**

CHEM436 Sustainable Chemistry: Catalysis, Energy and Green Materials
15 Points 0.1250 EFTS
Sustainable chemistry is basically doing more with less: reducing the environmental impact of products and processes, optimising or rather completely avoiding the use of limited raw materials and minimising waste. This course will introduce the importance of catalysis, energy and green materials in the context of reducing the impact that synthetic chemistry has on our planet.

P: CHEM335 or CHEM321
RP: CHEM335 or CHEM321
CHEM436-24S1 (C) **Semester 1**

CHEM437 Supramolecular Chemistry
15 Points 0.1250 EFTS
This course is about the supramolecular chemistry at a higher level. Supramolecular chemistry is an area of synthetic chemistry that aims to construct complex functional chemicals with tailored properties. Supramolecular chemistry involves the use of non-covalent interactions (such as coordination bonds, hydrogen bonding, -stacking etc.) to form well-defined molecular assemblies. These larger well-defined structures can be created with geometrically interesting shapes and electronic properties. In this course, students will develop an understanding of the synthesis of compounds suitable for supramolecular chemistry and how these can be assembled into larger ensembles, such as host-guest complexes, interlocked molecules, molecular machines, coordination polymers, metal-organic frameworks and covalent organic frameworks. The properties and importance of intermolecular interactions and their translation to functions in chemistry as well in bio-, nano- and materials science.

P: CHEM336 or CHEM321
RP: CHEM336 or CHEM321
CHEM437-24S2 (C) **Semester 2**

CHEM473 Special Topic
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
CHEM473-24S1 (C) **Semester 1**
CHEM473-24S2 (C) **Semester 2**

CHEM474 Special Topic
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
CHEM474-24S1 (C) **Semester 1**
CHEM474-24S2 (C) **Semester 2**

CHEM480 Research Project
30 Points 0.2500 EFTS
The CHEM480 Research Project involves a programme of experimental study in a research-active laboratory under the supervision of an academic member of staff within the Chemistry Department. The experimental data obtained are then presented in the form of a written project report which, after submission, is subjected to an oral defence. The project report details the background to the research, the methods employed, the results obtained, an analysis of the results in the context of the field and a bibliography. The learning outcomes of CHEM480 will enable students to write and compile a scientific report in a format appropriate for the discipline; show understanding of scientific methods relevant to their research project; obtain, analyse and present original research data; interpret and critically appraise their own and other research data; explain the relationship of their findings to other work in the field; and respond to questions on their report in a manner that shows mastery of the content and some knowledge of related areas. The CHEM480 Research Project provides excellent preparation for students intending to enrol in further postgraduate research. Students enrolling in this course must also enrol in course CHEM421 Advanced Topics in Chemistry 1.

P: Subject to approval of the Head of Department.
CHEM480-24S1 (C) **Semester 1**
CHEM480-24W (C) **Whole Year (S1 and S2)**
CHEM480-24S2 (C) **Semester 2**

CHEM690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
CHEM690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

CHEM790 Chemistry PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
CHEM790-24A (C) **Starts Anytime**
CHEM790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Child and Family Psychology

Te Kaupeka Oranga | Faculty of Health

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CFPY503 Advanced Academic Development
30 Points 0.2500 EFTS
Further academic study relevant to the area of Child and Family Psychology

P: (1) Subject to the approval of the Head of the School of Health Sciences, (2) EDUC623 and EDUC624 or HLTH670 and HLTH671 or CFPY501 and CFPY502
R: EDUC501, HLTH501
EQ: EDUC501, HLTH501
CFPY503-24FY (C) **Full Year (February to February)**
Limited entry. See limitation of entry regulations.

CFPY504 Advanced Professional Practice in Child and Family Psychology
60 Points 0.5000 EFTS
This course directs the candidate's experiences in their approved 1500 hour internship in order to ensure a wide range of experience with children and their families and to assist their preparation of case-studies and their professional development plan.

P: (1) Subject to the approval of the Head of the School of Health Sciences, (2) EDUC623 and EDUC624 or HLTH670 and HLTH671 or CFPY501 and CFPY502
R: EDUC502, HLTH502
EQ: EDUC502, HLTH502
CFPY504-24FY (C) **Full Year (February to February)**
Limited entry. See limitation of entry regulations.

CFPY505 Structuring and Examining Professional Practice
30 Points 0.2500 EFTS
Preparation for, presentation and defence of professional work in formal settings.

P: (1) Subject to the approval of the Head of the School of Health Sciences, (2) EDUC623 and EDUC624 or HLTH670 and HLTH671 or CFPY501 and CFPY502
R: EDUC503, HLTH503
EQ: EDUC503, HLTH503
CFPY505-24FY (C) **Full Year (February to February)**
Limited entry. See limitation of entry regulations.

CFPY601 Disorders of Childhood and Adolescence
30 Points 0.2500 EFTS
The nature, prevalence, causes and current intervention relating to disorders and disabilities arising during the developmental period.

P: Subject to the approval of the Head of the School of Health Sciences
R: EDEM661, EDUC412
CFPY601-24W (C) **Whole Year (S1 and S2)**

CFPY602 Child and Adolescent Development: Research, Contexts, and Applications

30 Points 0.2500 EFTS

This course aims to provide an advanced understanding of child and adolescent development by focusing on issues and concerns that may affect children and families across multiple developmental contexts. Students will examine key developmental theories as applied to a range of topics and gain valuable research and critical thinking skills through case studies, literature reviews, and group presentations.

P: Subject to the approval of the Head of the School of Health Sciences
R: EDEM662, EDUC416, PSYC413

CFPY602-24W (C) **Whole Year (S1 and S2)**

CFPY603 Introduction to Interventions

30 Points 0.2500 EFTS

This course provides an overview of interventions for children and adolescents with commonly occurring childhood disorders, and behaviour / learning difficulties (anxiety, phobia, depression, antisocial behaviour, ADHD, dyslexia, dyscalculia, dyspraxia). We will cover how to recognise these disorders, what is known about their causes, and how to plan and evaluate interventions. We will examine what the current academic literature tells us about effective evidence-based interventions, and challenges and issues in intervention work. The course introduces students to multiple perspectives on disorders and interventions, including cognitive behavioural therapy (CBT) and applied behaviour analysis (ABA). Introduction to Interventions is one of the compulsory first year courses in the Child and Family Psychology programme, and is also suitable for students who are pursuing postgraduate qualifications in special education.

P: Subject to approval of the Head of School of Health Sciences
R: EDEM663, EDUC421

CFPY603-24W (C) **Whole Year (S1 and S2)**

CFPY611 Theory and Practice in Child and Family Psychology

30 Points 0.2500 EFTS

This course builds on the theory and knowledge of Child and Family Psychology taught in the 4th year courses, with a specific academic focus on preparation for students' upcoming professional work with children and families. Students will develop a comprehensive understanding of the models and theories which shape and define ethical and effective work as a psychologist with children and families. They will have the opportunity to bring these together, shaping their emerging identities as child and family psychologists. Through teaching and supported learning activities, students will also develop their professional skills relating to clinical reasoning, diagnosis and formulation, psychological and educational models from Te Ao Māori. Students will demonstrate their knowledge and skills through a written comprehensive assessment report.

P: Completed a PGDipSci in Child and Family Psychology, or Part 1 of the Masters of Science in Child and Family Psychology, or equivalent as approved by the Amo Matua, Te Kaupeka Oranga | Executive Dean of Health or delegate.
C: CFPY612
R: CFPY501, CFPY502

CFPY611-24W (C) **Whole Year (S1 and S2)**

CFPY612 Year 1 Practicum and Skills Training

45 Points 0.3750 EFTS

This course contains the Child and Family Psychology Year 1 Practicum and an academic programme which supports this practical experience. The practicum component comprises direct experience in psychological practice with children and families in a clinic setting, supervised by registered psychologists. Through teaching and supported learning activities (e.g. Problem-Based Learning), students will develop their understanding and skills in the selection, administration and interpretation of cognitive and other psychometric assessments; common mental health conditions; risk assessment; functional behavioural assessment; diagnosis of mental health conditions; and psychological formulation.

P: Completed a PGDipSci in Child and Family Psychology, or Part 1 of the Masters of Science in Child and Family Psychology, or equivalent as approved by the Amo Matua, Te Kaupeka Oranga | Executive Dean of Health or delegate.
C: CFPY611
R: CFPY501, CFPY502

CFPY612-24W (C) **Whole Year (S1 and S2)**

CFPY690 MA Child and Family Psychology Thesis

120 Points 1.0000 EFTS

P: (i) CFPY601-603; HLTH472; either CFPY604 or COUN671; and one of EDEM695-697, or HLTH462, or PSYC460, or PSYC461. (ii) Subject to approve of the Head of School of Health Sciences

CFPY690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

CFPY695 MSc Child and Family Psychology Thesis

120 Points 1.0000 EFTS

P: (i) CFPY601-603; HLTH472; either CFPY604 or COUN671; and one of EDEM695-697, or HLTH462, or PSYC460, or PSYC461. (ii) Subject to approve of the Head of School of Health Sciences

CFPY695-24A (C) **Starts Anytime**

Chinese

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

CHIN151 Chinese Language 1-A

15 Points 0.1250 EFTS

A beginner's level course, focusing on the four basic language skills of reading, writing, speaking and listening, designed for students with little or no previous knowledge of the Chinese language.

P: Students who have learnt more than 150 Chinese characters or have a level of spoken Chinese equivalent to the level reached by the students at the very end of this course will not be admitted to this course.
R: CHIN101. Students who have learnt more than 150 Chinese characters or have a level of spoken Chinese equivalent to the level reached by the students at the very end of this course will not be admitted to this course.

CHIN151-24S1 (C) **Semester 1**
CHIN151-24S1 (D) **Semester 1**

CHIN152 Chinese Language 1-B

15 Points 0.1250 EFTS

Following CHIN151 and still focusing on the four basic language skills of reading, writing, speaking and listening, this course teaches how to conduct simple conversations, and read and write simple texts in Chinese at an elementary level, with an adequate cultural understanding of China.

P: CHIN151 or placement test. Students who have learnt more than 300 Chinese characters, or have a level of spoken Chinese equivalent to the level reached by the students at the very end of this course, will not be admitted to this course.
R: CHIN101, CHIN105. Students who have learnt more than 300 Chinese characters, or have a level of spoken Chinese equivalent to the level reached by the students at the very end of this course, will not be admitted to this course.
RP: This course is designed for students who have completed CHIN151 or a placement test.

CHIN152-24S2 (C) **Semester 2**
CHIN152-24S2 (D) **Semester 2**

CHIN155 Understanding China

15 Points 0.1250 EFTS

This course provides basic understanding of China and Chinese culture through selected topical issues about China. The course will be taught in English; all prescribed readings and assessments (writing and spoken) are in English.

CHIN155-24S1 (C) **Semester 1**

CHIN206 Global China on Screen

15 Points 0.1250 EFTS

Like in the West, Chinese cinema has held a significant share in the cultural industry since the first film was made in China in 1905. Being a cultural product, film has always been seen as reflection of its contemporary culture, despite various aspects it might have taken. Taking primarily a Cultural Studies approach, this course introduces Chinese culture, especially a series of its contemporary phenomena by surveying Chinese cinema. The course will be taught in English and all Chinese films are subtitled. By viewing the films in class and many more available in the well-resourced UC library on the course's recommendation and students' own interests, the course encourages students to further develop their study in one or more of the following areas: Studies of Chinese culture and society; Cross-cultural studies with a focus on China/Asia and beyond; Cultural studies with a special emphasis on postmodernism (including postcolonialism) and Third World culture; Film studies focusing on national cinema. CHIN206 and CINE215 are the same course.

P: Any 15 points at 100 level from CHIN or CINE, or any 60 points at 100 level from the Schedule V of the BA.
R: CINE215, CHIN306, CULT334
EQ: CINE215 and CHIN306

CHIN206-24S2 (C) **Semester 2**

CHIN251 Chinese Language 2-A

15 Points 0.1250 EFTS

This course, following CHIN152 and still focusing on the four basic language skills of reading, writing, speaking and listening, is a Chinese language course teaching how to conduct daily and social conversations, and to read and write texts in Chinese at an early intermediate level, with an adequate cultural understanding of China.

P: CHIN152 or placement test. Students who have learnt more than 450 Chinese characters, or have a level of spoken Chinese equivalent to the required achievement of students when finishing CHIN251 will not be admitted to the course.
R: CHIN201. Students who have learnt more than 450 Chinese characters, or have a level of spoken Chinese equivalent to the required achievement of students when finishing CHIN251 will not be admitted to the course.

CHIN251-24S1 (C) **Semester 1**
CHIN251-24S1 (D) **Semester 1**

CHIN252 Chinese Language 2-B
15 Points 0.1250 EFTS
This course, following CHIN251 and still focusing on the four basic language skills of reading, writing, speaking and listening, is a Chinese language course, teaching how to communicate Chinese in social and semi-formal situations at an intermediate level, with an adequate cultural understanding of China.

P: CHIN251 or placement test. Students who have learnt more than 600 Chinese characters, or have a level of spoken Chinese equivalent to the required achievement of students when finishing CHIN252 will not be admitted to the course.
R: CHIN201. Students who have learnt more than 600 Chinese characters, or have a level of spoken Chinese equivalent to the required achievement of students when finishing CHIN252 will not be admitted to the course.

CHIN252-24S2 (C) **Semester 2**
CHIN252-24S2 (D) **Semester 2**

CHIN306 Global China on Screen
30 Points 0.2500 EFTS
A survey of Chinese cinema - the first one hundred years of the Chinese film industry, major Chinese film genres, social implications of film and the Chinese culture reflected through film. The course is taught in English and all Chinese films are subtitled.

P: Any 30 points at 200 level from CHIN, CINE, or CULT, or any 60 points at 200 level from the Schedule V of the BA.
R: CINE215, CHIN206 and CULT334
EQ: CULT334

CHIN306-24S2 (C) **Semester 2**

CHIN351 Chinese Language 3-A
30 Points 0.2500 EFTS
This course, following CHIN252 and still focusing on the four basic language skills of reading, writing, speaking and listening, teaches how to perform semi-formal to formal conversations, and to read and write texts in Chinese at an early advanced level, with an adequate cultural understanding of China.

P: CHIN252 or placement test.
R: CHIN301. This course is not designed for students who are literate in Chinese and/or fluent speakers of Mandarin. Such students may not enrol in this course without the permission of the programme director. It is granted only if the course is considered appropriate to the level of competence of the student.

CHIN351-24S1 (C) **Semester 1**
CHIN351-24S1 (D) **Semester 1**

CHIN352 Chinese Language 3-B
30 Points 0.2500 EFTS
This course, following CHIN351 and still focusing on the four basic language skills of reading, writing, speaking and listening, teaches how to perform formal conversations, and to read and write texts in Chinese at an advanced level, suitable in most study and work situations in China, when adequate supports are available.

P: CHIN351 or placement test.
R: CHIN301. This course is not designed for students who are literate in Chinese and/or fluent speakers of Mandarin. Such students may not enrol in this course without the permission of the programme director. It is granted only if the course is considered appropriate to the level of competence of the student.

CHIN352-24S2 (C) **Semester 2**
CHIN352-24S2 (D) **Semester 2**

CHIN353 Chinese Language 3-C
30 Points 0.2500 EFTS
CHIN353 builds on the language skills acquired in CHIN352 and further develops and consolidates the four language skills of listening, speaking, reading and writing in Chinese. The course will use texts (both written texts and video clips) aimed at the native Chinese speakers. It covers a wide range of topics, including Indigenous issues and Chinese culture and society. For developing writing and speaking skills, students will be required to do oral presentation, conduct student-led discussions, and write two short essays in Chinese.

P: CHIN352 or placement test
R: CHIN401

CHIN353-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

CHIN401 Advanced Chinese Language Acquisition
30 Points 0.2500 EFTS
This course builds on the language skills that students have acquired in the previous three years. Reading materials will include various topics and styles. Students are expected to summarise the reading in their own words, both oral and written, and to write reviews and essays in Chinese.

P: Subject to approval of the Programme Director.
R: CHIN353

CHIN401-24S1 (C) **Semester 1**

CHIN415 Specialised Chinese Translation and Interpreting
30 Points 0.2500 EFTS
In connection with LANC404, this course puts particular emphasis on the cross-linguistic and cross-cultural features between English and Chinese languages. Students will develop practical skills to produce a translation and rendition (interpreting) that is pragmatically equivalent to original text. Entry into this course is limited to native and near-native speakers of Mandarin Chinese.

P: Subject to the approval of the Head of Department. Entry into this course is limited to native and near-native speakers of Mandarin Chinese. Students for whom Chinese is not their first language must have completed at least 60 points of Chinese language at 400-level, with a grade of at least a B+ average or have demonstrated equivalent competence in the language; or provided evidence of their Chinese language ability as follows: HSK (Hanyu Shuiping Kaoshi Chinese Proficiency Test) Level 4; or provided evidence of their Chinese language ability as follows: TOCFL (Test of Chinese as a Foreign Language) Level 4.

CHIN415-24S2 (C) **Semester 2**

CHIN650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation

P: Subject to approval of the Head of Department.

CHIN650-24A (C) **Starts Anytime**
CHIN650-24S1 (C) **Semester 1**
CHIN650-24S2 (C) **Semester 2**

CHIN690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.

CHIN690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

CHIN790 Chinese PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.

CHIN790-24A (C) **Starts Anytime**
CHIN790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Cinema Studies

School of Humanities

CINE102 The Backpacker's Guide to World Cinema
15 Points 0.1250 EFTS
This course identifies the formal, stylistic and thematic concerns that are shared, despite their apparent diversity, by a cross section of contemporary films. Students will analyse a selection of notable films from around the world that revise, resist or reject the standard practices or themes of mainstream cinema.

R: TAFS102

CINE102-24S2 (C) **Semester 2**

CINE104 The Oscar for Best Picture: The Envelope Please!
15 Points 0.1250 EFTS
This course will trace the trajectory of the Academy Awards: from 1930s screwball comedies and backstage musicals to celebrated wartime classics; from 1950s Minnelli musicals to 1980s post-Vietnam war films. It will provide a concentrated, thumbnail history of American Cinema, which challenges students to consider and question the formal criteria (cinematography, acting, sound, editing) upon which critical judgement is based. It will introduce students to the canonical classics of American Cinema, inviting them to explore diverse film genres and even the occasional Academy extravaganza.

CINE104-24S1 (C) **Semester 1**

CINE201 Hollywood and Genre
15 Points 0.1250 EFTS
An historical and critical study of genre in Hollywood film. Students will analyse the evolution and transformation of the conventions of key genres, such as the Science Fiction film, the Musical, Film Noir and Horror.

P: Any 15 points at 100 level from CINE, or any 60 points at 100 level from the Schedule V of the BA.
RP: CINE101 and CINE102

CINE201-24S1 (C) **Semester 1**

CINE213 Kiriata: Māori Film and Media
15 Points 0.1250 EFTS
This course examines the intersection of Māori identity in film, media and other creative works. It considers the political, historical, social, cultural and ideological influences that have shaped dominant mainstream constructions and counter-hegemonic representations of Māori and Indigenous peoples in film, media and creative works. It also highlights the roles of artist, director and industry to produce Māori stories and aesthetics. A number of films will be screened throughout the course.
P: Any 15 points at 100 level from CINE, MAOR, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: MAOR268
EQ: MAOR268 and TITO202
CINE213-24S1 (C) **Semester 1**

CINE214 European Novels and Film Adaptations
15 Points 0.1250 EFTS
A study of important European novels and film adaptations.
P: Any 15 points at 100 level from CINE, ENGL, EURA, GRMN, or RUSS, or any 60 points at 100 level from the Schedule V of the BA.
R: EULC204, EULC304, EURA204, EURA304, ENGL305, RUSS215, RUSS216
EQ: EURA204
CINE214-24S2 (C) **Semester 2**

CINE215 Global China on Screen
15 Points 0.1250 EFTS
Like in the West, Chinese cinema has held a significant share in the cultural industry since the first film was made in China in 1905. Being a cultural product, film has always been seen as reflection of its contemporary culture, despite various aspects it might have taken. Taking primarily a Cultural Studies approach, this course introduces Chinese culture, especially a series of its contemporary phenomena by surveying Chinese cinema. The course will be taught in English and all Chinese films are subtitled. By viewing the films in class and many more available in the well-resourced UC library on the course's recommendation and students' own interests, the course encourages students to further develop their study in one or more of the following areas: Studies of Chinese culture and society; Cross-cultural studies with a focus on China/Asia and beyond; Cultural studies with a special emphasis on postmodernism (including postcolonialism) and Third World culture; Film studies focusing on national cinema. CHIN206 and CINE215 are the same course.
P: Any 15 points at 100 level from CHIN or CINE, or any 60 points at 100 level from the Schedule V of the BA.
R: CHIN206, CHIN306
EQ: CHIN206
CINE215-24S2 (C) **Semester 2**

CINE223 Cinematic Sin and Sensuality
15 Points 0.1250 EFTS
This course addresses the myriad and often conflicting ways that sex and sexuality have been represented throughout the history of Western cinema, with an emphasis upon Hollywood and American independent film.
P: Any 15 points at 100 level from CINE or CULT, or any 60 points at 100 level from the Schedule V of the BA.
R: CULT214
RP: CINE101, CINE102, CINE104
EQ: CULT214
CINE223-23SU2 (C) **Summer (Nov 23)**
CINE223-24S2 (C) **Semester 2**

CINE224 Children's Classics: Popular Children's Texts and their Representation on Film
15 Points 0.1250 EFTS
Children's Classics teaches the genre-specific nature of children's literature, its socio-historical contexts, and the significance of its re-readings as film. It introduces a selection of enduring children's texts, illustrating the importance to literary production of changing cultural context, demonstrating the importance of intertextuality in children's literature and how texts change when filmed, and promotes the skills of reading and writing.
P: Any 15 points at 100 level from CINE or ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: ENGL213
CINE224-24S2 (C) **Semester 2**

CINE301 Film History: The Sixties and the New Wave
30 Points 0.2500 EFTS
A survey of the New Wave movements which swept cinema in the 60's, with an emphasis on the nouvelle vague in France.
P: Any 30 points at 200 level from CINE, or any 60 points at 200 level from the Schedule V of the BA.
R: CULT321
CINE301-24S1 (C) **Semester 1**

CINE302 Documentary: From the Margins to the Mainstream
30 Points 0.2500 EFTS
This course examines the artistic, ethical and political principles that govern the representation of reality in contemporary documentary film.
P: Any 30 points at 200 level from CINE or CULT, or any 60 points at 200 level from the Schedule V of the BA.
R: CULT322
EQ: CULT322
CINE302-24S2 (C) **Semester 2**

Civil Engineering

Te Tari Pūhanga Metarahi, Rawa Taiao | Department of Civil and Natural Resources Engineering

ENCI199 Health & Safety on the Worksite
0 Points 0.0000 EFTS
Compulsory site safe course for Civil and Natural Resources Engineering students.
P: Approval into the First Professional Year of Civil or Natural Resources Engineering.
ENCI199-24A (C) **Starts Anytime**
ENCI199-24W (C) **Whole Year (S1 and S2)**

ENCN201 Communication Skills Portfolio 1
0 Points 0.0000 EFTS
Introduction to communication skills required by practicing professional engineers.
P: Entry to first professional year of CNRE.
ENCN201-24W (C) **Whole Year (S1 and S2)**

ENCN205 Applied Data Analysis for Civil and Natural Systems
15 Points 0.1250 EFTS
Applied Data Analysis for Civil and Natural Resources Engineers provides an analytical foundation for subsequent third- and fourth-year courses, providing fundamental skills in field survey techniques, geospatial analysis, exploratory data analysis, hypothesis testing and regression. These generic skills are developed using real-world examples and datasets, and are applicable in subsequent courses in in the undergraduate degree programme. The course is based on field survey activities in the first two weeks, and a series of weekly computer laboratories over the semester, supported by recorded lectures, tutorials and readings.
P: COSC131
C: EMTH210
ENCN205-24S2 (C) **Semester 2**

ENCN213 Structural Design Studio
15 Points 0.1250 EFTS
Loads and load paths in buildings and bridges. Design calculations for timber and steel structures. Engineering drawing. Construction and testing of simple structures.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI211
ENCN213-24S2 (C) **Semester 2**

ENCN221 Engineering Materials
15 Points 0.1250 EFTS
Introduction to engineering materials. Materials science. Metals, granular materials, asphalt, concrete, masonry, timber, plastics/ceramics. Sustainability issues and material selection.
P: Subject to approval of the Dean of Engineering and Forestry
ENCN221-24S1 (C) **Semester 1**

ENCN231 Solid Mechanics
15 Points 0.1250 EFTS
Introduction to solid and structural mechanics: analysis of statically determinate structures; stress and strain; behaviour of beams and columns; analysis of deformations; torsion.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI230, ENCI234
ENCN231-24S1 (C) **Semester 1**

ENCN242 Fluid Mechanics and Hydrology
15 Points 0.1250 EFTS
Fluid Properties. Hydrostatics. Mass, energy and momentum fluxes. Applications to hydraulic systems. Hydrological processes. Design storms and flows.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI241
ENCN242-24S2 (C) **Semester 2**

ENCN253 Soil Mechanics
15 Points 0.1250 EFTS
Properties and behaviour of rocks. Formation, properties and classification of soils. Strength and stiffness of soils. Applications to slopes, retaining walls, and site characterisation.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI252, ENCI271
ENCN253-24S2 (C) **Semester 2**

ENCN281 Environmental Engineering
15 Points 0.1250 EFTS
Water quality parameters; mass balances; kinetics; surface water quality modelling; ecological systems; treatment of water, wastewater, solid and hazardous wastes; water quality field activities.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENNR203, ENCI383
ENCN281-24S1 (C) **Semester 1**

ENCI335 Structural Analysis and Systems 1
15 Points 0.1250 EFTS
Structural forms, systems and load paths. Modelling and analysis of indeterminate structures. Energy methods and virtual work. Introduction to structural dynamics and the response of structures to earthquakes.
P: ENCN231, EMTH210
R: ENCI334
ENCI335-24S1 (C) **Semester 1**

ENCI336 Behaviour and Design of Structures 1
15 Points 0.1250 EFTS
Concrete and steel as structural materials. Design of members for tension, compression, shear, and flexure. Welded and bolted connections. Limit-state design concepts. Serviceability.
P: ENCN213, ENCN221, ENCN231
R: ENCI332, ENCI333
ENCI336-24S2 (C) **Semester 2**

ENCN301 Communication Skills Portfolio 2
0 Points 0.0000 EFTS
Development of communication skills required by practicing professional engineers. Sketches, oral presentation, and various types of written reports.
P: ENCN201
ENCN301-24W (C) **Whole Year (S1 and S2)**

ENCN304 Deterministic Mathematical Methods
15 Points 0.1250 EFTS
Analytical and numerical methods for engineering problems. Vector calculus. Systems of linear equations. Systems of ordinary differential equations. Partial differential equations.
P: EMTH210
R: ENCI302
ENCN304-24S1 (C) **Semester 1**

ENCN342 Hydraulics and Applied Hydrology
15 Points 0.1250 EFTS
Open channel flow; pipe networks; scale and dimensional analysis; surface and ground water.
P: ENCN242
R: ENCI341
ENCN342-24S2 (C) **Semester 2**

ENCN347 Stormwater systems engineering
15 Points 0.1250 EFTS
Interdisciplinary nature of stormwater management. Pollutant characteristics and receiving environments. Water-sensitive design. Erosion management. Engineered treatment systems. Lab and field experiences.
P: ENCN242, ENCN281
R: ENNR322
ENCN347-24S2 (C) **Semester 2**

ENCN353 Geotechnical Engineering
15 Points 0.1250 EFTS
Mohr's circle; time-dependent soil behaviour; settlement; capacity and failure of foundations; field investigations; slope stability; earth pressure theories and retaining structures.
P: ENCN253
R: ENCI351
ENCN353-24S1 (C) **Semester 1**

ENCN361 Transportation Engineering
15 Points 0.1250 EFTS
This course is an introduction to the broad disciplines of transport engineering. It comprises four major topics, including traffic flow theory, transport planning, geometric design of roads, and sustainability and resilience in transport systems
P: EMTH210, ENCN205
ENCN361-24S1 (C) **Semester 1**

ENCN371 Project and Infrastructure Management
15 Points 0.1250 EFTS
Project and infrastructure asset management, procurement methods, estimating, finance and accounting, economic appraisal, uncertainty and decision-making.
R: ENCI363, ENCI403
ENCN371-24S2 (C) **Semester 2**

ENCN375 Systems Engineering for a Changing Climate
15 Points 0.1250 EFTS
Climate Change Adaptation and Mitigation. Infrastructure systems. Risk and resilience. Ethics and environmental justice. Systems analysis.
P: ENCN201 (for basics of engineering writing)
R: ENCN470
ENCN375-24S2 (C) **Semester 2**

ENCI413 Integrated Civil Engineering Design
30 Points 0.2500 EFTS
Integrated design of complex civil engineering projects; professional and teamwork analysis; economic, environmental, and bicultural issues; life-long learning.
P: EMTH210, ENCI199, ENCN201, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN261, ENCN281, ENCN 301, ENCN 371
R: ENCI313, ENNR313
EQ: ENNR413
ENCI413-24S2 (C) **Semester 2**

ENCI436 Behaviour and Design of Structures 2
30 Points 0.2500 EFTS
This course covers the behaviour and design of structural systems, considering the main structural materials currently used in New Zealand - timber, steel and reinforced concrete structures. The course builds on the basics of member design techniques for steel, reinforced concrete and timber structures, introduced in previous courses, to provide students with the skills and knowledge required for the design of typical structural systems.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCI335, ENCI336
C: ENCI438
R: ENCI425, ENCI426, ENCI427
ENCI436-24S1 (C) **Semester 1**

ENCI437 Structural Analysis and Systems 2
15 Points 0.1250 EFTS
Direct stiffness method of analysis; static and kinematic condensation; non-uniform torsion; geometric and material nonlinear analysis; rigid-plastic analysis; dynamic analysis of multiple-degree-of-freedom systems
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCI335
R: ENCI423
ENCI437-24S1 (C) **Semester 1**

ENCI438 Introduction to Structural Earthquake Engineering
15 Points 0.1250 EFTS
This course introduces analytical methods and design concepts in structural earthquake engineering. The course covers fundamentals of seismic hazard and seismic demands on typical structures and components, as well as key concepts and techniques used to analyse, design, and understand the behaviour of structures under earthquake loads.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCI335, ENCI336
R: ENCI429
ENCI438-24S1 (C) **Semester 1**

ENCI475 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENCI475-24S1 (C) **Semester 1**
ENCI475-24W (C) **Whole Year (S1 and S2)**
ENCI475-24S2 (C) **Semester 2**

ENCI496 Special Topic
15 Points 0.1250 EFTS
ENCI496-24S1 (C) **Semester 1**

ENCN401 Engineering in Developing Communities
15 Points 0.1250 EFTS
Water supply and sanitation (solid and liquid waste management) issues in developing communities, agricultural issues and impacts of land-use changes, humanitarian aid during natural disaster relief, engineering in a cultural and sustainable context using appropriate technology.
P: EMTH210, ENCI199, ENCN201, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN205
R: ENNR451
ENCN401-24S1 (C) **Semester 1**

ENCN405 Ecologically Engineered Systems
15 Points 0.1250 EFTS
Resources required for agriculture, horticulture, aquaculture. Best management practices for stormwater and agricultural runoff. Engineered wetlands. Ecological economics and restoration.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281
EQ: ENNR405
ENCN405-24S1 (C) **Semester 1**

ENCN412 Traffic Engineering
15 Points 0.1250 EFTS
Transport planning. Traffic flow theory. Roadway and intersection design. Road safety. Traffic surveys. Transport project evaluation. Environmental impacts. Traffic management.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN304, ENCN361
R: ENCI412
ENCN412-24S1 (C) **Semester 1**

ENCN415 Pavement Engineering
15 Points 0.1250 EFTS
Effect of traffic and environment on pavement. Analysis of stress from axle loads. Characterisation of pavement materials. Empirical and mechanistic-empirical design methods.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281
R: ENCI415
ENCN415-24S1 (C) **Semester 1**

ENCN452 Advanced Geotechnical Engineering
15 Points 0.1250 EFTS
Stress-strain behaviour of soils. Critical-state soil mechanics. Approximations and limitations for geotechnical analyses. Piles under axial and lateral loading. Shallow foundations.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN353
R: ENCI452
ENCN452-24S1 (C) **Semester 1**

ENCN454 Introduction to Geotechnical Earthquake Engineering
15 Points 0.1250 EFTS
Seismic behaviour of retaining walls, shallow and deep foundations, embankments, and slopes. Liquefaction. Case studies, design applications, and advanced methods of analysis.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN353
R: ENCI620
ENCN454-24S1 (C) **Semester 1**

ENCN482 Site Assessment and Remediation
15 Points 0.1250 EFTS
Soil and groundwater contamination; aqueous and non-aqueous contaminant fate and transport; containment methods; remediation options; New Zealand regulation and risk applications.
P: ENCN281
R: ENCN481
ENCN482-24S1 (C) **Semester 1**

ENCN493 Project
30 Points 0.2500 EFTS
Engineering Research Project
P: EMTH210, ENCI199, ENCN201, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN261, ENCN281, ENCN301
R: ENCI493, ENCI494, ENCN494
ENCN493-24X1 (C)
ENCN493-24X2 (C)

ENGR403 Fire Engineering
15 Points 0.1250 EFTS
Introduction to Fire Engineering. Fire ignition, flame spread and flame height. The performance of construction materials and fire resistance. People movement and behaviour during fires. Fire detection, suppression and smoke extract systems. Wildland fires, fire investigation, fire-fighting.
P: Subject to approval of the Director of Studies
ENGR403-24SU1 (C) **Summer (Jan 24)**
ENGR403-24S1 (C) **Semester 1**

ENGR409 Design of Drinking Water and Wastewater Treatment Systems
15 Points 0.1250 EFTS
Project-based design for water and wastewater treatment. Water quality, design flows and loadings, physical primary treatment, biological secondary treatment, disinfection. Drinking water laboratories.
P: ENCN281 or completion of Year 2 of Chemical and Process Engineering degree requirements.
R: ENCN481
ENGR409-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENCI601 Risk Management
15 Points 0.1250 EFTS
Risk concepts; context and perceptions; risk identification, analysis, evaluation and treatment; quantitative and qualitative risk analysis; ethical issues and risk communication; applications and case studies.
P: Subject to approval of the Director of Studies
ENCI601-24S1 (C) **Semester 1**

ENCI634 Engineering Chemistry for Water Systems
15 Points 0.1250 EFTS
Application of principles of physical chemistry to the description and composition of natural waters and engineering treatment of drinking water and wastewater. Studies of acid/base chemistry, complexation, precipitation, and oxidation-reduction potential chemistry.
P: Subject to approval of the Programme Director
ENCI634-24S1 (C) **Semester 1**

ENCI646 Flood Analysis, Modelling and Management
15 Points 0.1250 EFTS
Extreme value statistics; Flood modelling and uncertainty assessment; Flood protection; Risk assessment; Damage cost estimation.
P: Subject to approval of the Head of Department or the Programme Director. The expected level of previous experience is detailed in the course outline.
ENCI646-24S2 (C) **Semester 2**

ENCI675 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENCI675-24S1 (C) **Semester 1**
ENCI675-24W (C) **Whole Year (S1 and S2)**
ENCI675-24S2 (C) **Semester 2**

ENCI677 Advanced Wastewater Treatment
15 Points 0.1250 EFTS
Biological processes and complementary physical/chemical processes. Assessment and design of suspended growth, biofilm, and membrane technologies. Modelling approaches and advanced laboratory procedures.
P: ENCN281 and ENCN481 or equivalent
ENCI677-24X (C) **15 July 2024 - 10 Nov 2024**
Limited entry. See limitation of entry regulations

ENCI680 Civil ME Project [Full Time]
72 Points 0.6000 EFTS
P: Subject to approval of the Head of Department.
ENCI680-24A (C) **Starts Anytime**

ENCI682 Special Topic Civil Engineering - Project
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department
ENCI682-24A (C) **Starts Anytime**

ENCI683 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENCI683-24S1 (C) **Semester 1**

ENCI690 Civil ME Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENCI690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ENCI692 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENCI692-24S1 (C) **Semester 1**

ENCI693 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENCI693-24S2 (C) **Semester 2**

ENCI790 Civil Engineering PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENCI790-24A (C) **Starts Anytime**
ENCI790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Classics

School of Humanities

CLAS120 People, Places and Histories of the Graeco-Roman World
15 Points 0.1250 EFTS
In this course we will survey events in antiquity from Homer through to the Roman Emperor Constantine. On the way we will explore the world of fifth century Athens, gaining an insight into the society that established democracy and move on to appreciate Alexander's campaigns and the formation of the Hellenistic kingdoms after his death. We will also turn to the west of the Mediterranean Sea and investigate the development of Rome from a small town to the capital of a large Empire, its constitutional transformations and the social impact of those changes on people's sense of place and identity.
R: CLAS111; CLAS112; CLAS113
CLAS120-24S1 (C) **Semester 1**
CLAS120-24S1 (D) **Semester 1**

CLAS122 Myth, Power and Identity in the Graeco-Roman World
15 Points 0.1250 EFTS
In this course students will consider how the Greeks and the Romans thought of themselves and others in their mythology and social power structures. Students will gain an understanding of ancient cosmic world-views, gender issues, colonisation and identity in Archaic and Classical Greece and Augustan Rome, and the relevance of such ideas now. Students will read, analyse and interpret ancient literary texts (selections from epic, tragedy, etc.) and material culture (art and architecture) that depict Greek and Roman myths as well as expressing ancient political and social views.
R: CLAS104; CLAS105
CLAS122-24S2 (C) **Semester 2**
CLAS122-24S2 (D) **Semester 2**

CLAS135 Beginner's Greek
15 Points 0.1250 EFTS
An introduction to Ancient Greek grammar and to the reading of Ancient Greek texts, building on from the material learnt in CLAS151. Students, in this course, concentrate on Ancient Greek only, learning the language of fifth century Athens through the reading of texts. The dialect we learn is Attic Greek, which, when learnt, will enable access to other Greek dialects including New Testament Greek.
P: CLAS151, or by approval of the Head of Department.
R: CLAS131
EQ: CLAS135
CLAS135-24S2 (C) **Semester 2**

CLAS145 Beginners' Latin
15 Points 0.1250 EFTS
An introduction to Latin grammar and to reading Latin, following on from CLAS151.
P: CLAS151 or by approval of the Head of Department
R: CLAS143
CLAS145-24S2 (C) **Semester 2**
CLAS145-24S2 (D) **Semester 2**

CLAS151 Greek and Latin for Absolute Beginners
15 Points 0.1250 EFTS
This course introduces Greek, Latin grammar to students by way of English grammar. At the end of the course students will understand the most important basic grammatical concepts in Greek and Latin and will have a working vocabulary of about 75 words in each language. They will be prepared to continue more intensive study in Greek and/or Latin.
R: CLAS 134, CLAS 144, CLAS 143, CLAS 131
CLAS151-24S1 (C) **Semester 1**
CLAS151-24S1 (D) **Semester 1**

CLAS208 Archaeology of the Ancient Mediterranean World
15 Points 0.1250 EFTS
This course introduces the basic principles of archaeology as a discipline. It will focus on the main categories of evidence for Classical Archaeology and will use examples drawn from sites in the Mediterranean basin from 3000 BCE- 400 CE. The course will also use artefacts in the collections of the Teece Museum and the Canterbury Museum.
P: Any 15 points from 100 level in CLAS, or any 60 points at 100 level from the Schedule V of the BA, or 60 points at 100 level from any other bachelor's degree.
CLAS208-24S2 (C) **Semester 2**

CLAS213 Alexander the Great
15 Points 0.1250 EFTS
A survey of the career of Alexander the Great (336 to 323 BC) with special attention to problems of source interpretation.
P: Any 15 points at 100 level from CLAS, or any 60 points at 100 level from the Schedule V of the BA.
R: CLAS313
RP: CLAS 111 or any 100-level course in CLAS.
CLAS213-24S2 (C) **Semester 2**

CLAS219 Sport and Leisure in the Ancient World
15 Points 0.1250 EFTS
A study of the impact of sport and leisure on various aspects of ancient life and their modern reconstructions. Note: course requirements in this combined 200 and 300-level course will be appropriate to the level at which the student is enrolled.
P: Any 15 points at 100 level from CLAS, or any 60 points at 100 level from the Schedule V of the BA.
R: CLAS319
RP: Any 100-level course in CLAS.
CLAS219-24S1 (C) **Semester 1**

CLAS224 Greek Philosophy
15 Points 0.1250 EFTS
The intellectual rigour, which informed the Greeks' speculations on life, the universe and everything, changed our understanding of the world forever. In this course we survey the origins and development of western philosophy in the Greek world, focusing on the 6th to the 4th centuries BC when many areas that preoccupy philosophers today were analysed and explored by the Greeks, including cosmology, physics, ethics, politics, psychology and more. Figures such as Socrates, Plato and many others before and after them will feature.
P: Any 15 points at 100 level from CLAS or PHIL, or any 60 points at 100 level from the Schedule V of the BA.
R: CLAS324; PHIL314; PHIL224
RP: CLAS104 or CLAS/PHIL141 or any 100-level in CLAS or PHIL.
EQ: PHIL224
CLAS224-24S1 (C) **Semester 1**

CLAS234 Intermediate Greek Authors 1
15 Points 0.1250 EFTS
A study of selected Greek texts and unseen passages, with emphasis on the development of knowledge of the language.
P: CLAS135, or subject to approval of the Head of Department.
R: CLAS231
CLAS234-24S1 (A) **Semester 1**

CLAS235 Intermediate Greek Authors 2
15 Points 0.1250 EFTS
Continued study of Greek literature and unseen passages, with emphasis on the development of knowledge of the language. This involves reading important texts by authors such as Sophocles, Euripides, Thucydides, Homer and others, as well as analysing these more fully in their cultural and literary context.

P: CLAS234, or subject to approval of the Head of Department.
R: CLAS231
CLAS235-24S2 (A) **Semester 2**

CLAS244 Intermediate Latin Authors A
15 Points 0.1250 EFTS
The aim, by the end of the course, is to equip students with the skills and knowledge to enable them to read actual Latin texts and great authors such as Catullus, Vergil, Ovid, Cicero, Tacitus and others who remain amongst the most influential and important literary figures of the ancient world.
P: CLAS145, or subject to approval of the Head of Department.
R: CLAS241
CLAS244-24S1 (D) **Semester 1**
CLAS244-24S1 (A) **Semester 1**

CLAS245 Intermediate Latin Authors B
15 Points 0.1250 EFTS
Continued study of selected Latin texts and unseen passages, with emphasis on the development of knowledge of the language.
P: CLAS244, or subject to approval of the Head of Department.
R: CLAS241
CLAS245-24S2 (A) **Semester 2**

CLAS325 Roman Social History
30 Points 0.2500 EFTS
A study of Roman society, focussing on the day-to-day life of Rome's inhabitants. Topics include familial relationships, health and wellbeing, urban infrastructure, floods, fires, travel, among others.
P: Any 30 points at 200 level from CLAS, or any 60 points at 200 level from the Schedule V of the BA.
R: CLAS307, CLAS407 (in 2003, 2008, 2010), CLAS425
CLAS325-24S1 (C) **Semester 1**

CLAS326 Concepts of Art and Literature from Homer to Aristotle
30 Points 0.2500 EFTS
Today, all over the world, Greek dramas continue to be performed and adapted; Homer's epics are forever finding new audiences through new translations, adaptations and interpretation on film and TV; and Greek art attracts millions of people worldwide to galleries, museums and archaeological sites. But what did these works mean to the ancients themselves? In what ways did the Greeks link visual and verbal artforms to other issues such as psychology, ethics, politics and desire? Are modern ways of viewing these ancient works compatible with ancient responses to them or are there vast differences in post-antique ways of reading ancient literary and material culture? If so, what are these differences? Some answers to these and other related questions can be found in looking at ancient writings about the visual and verbal arts in Archaic and Classical Greece and reconsidering these artworks in the light of such writings. This course analyses Greek views of visual imagery (primarily paintings and statues), poetry and rhetoric in the Archaic and Classical Greek world (c. 750-320 BC). Over this period many of the most influential developments in these media were achieved, and critical thinking about art, language and poetry first burgeoned, particularly in the fifth century. In fact, the very terms that have become central to our way of categorising and thinking about visual, verbal and aural artforms - music, poetry, lyric, epic, tragedy, comedy, drama, rhetoric, graphics, mimesis, icon, idol - are all Greek in origin and again indicate the importance of the Greeks' achievements as practitioners and theorists in these areas, as well as raising issues that speak to us now in the 21st century.
P: Any 30 points at 200 level from CLAS, or any 60 points at 200 level from the Schedule V of the BA.
R: CLAS315, CLAS454
RP: One or more of the following: CLAS 206 Greek Art; CLAS 224/324 Greek Philosophy; CLAS 220 Troy and Ancient Epic; CLAS 210 Theatre and Performance in the Ancient World
CLAS326-24S2 (A) **Semester 2**

CLAS329 Ancient Laughter
30 Points 0.2500 EFTS
A study of Greek and Roman Comedy and Roman Satire in terms of the performability, thematics and characterization of the former and the social commentary and humour of both of these related genres.
P: Any 30 points at 200 level from CLAS, or any 60 points at 200 level from the Schedule V of the BA.
R: CLAS306, CLAS321, CLAS409
RP: CLAS104 and CLAS105 and/or any 200 level course in CLAS.
CLAS329-24S1 (C) **Semester 1**

CLAS335 Advanced Greek Authors
30 Points 0.2500 EFTS
Continued study of Greek literature and unseen passages, with emphasis on the development of knowledge of the language. This involves reading important texts by authors such as Sophocles, Euripides, Thucydides, Homer and others as well as analysing these more fully in their cultural and literary context.
P: CLAS235, or subject to approval of the Head of Department.
R: CLAS331
CLAS335-24S2 (A) **Semester 2**

CLAS345 Advanced Latin Authors
30 Points 0.2500 EFTS
Continued advanced study of Latin texts and unseen passages.
P: CLAS245, or subject to approval of the Head of Department.
R: CLAS341
CLAS345-24S2 (A) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

CLAS404 A Literary Subject
30 Points 0.2500 EFTS
Students may discuss with individual members of staff particular and mutual areas of literary interest, which could be run as an Honours course. Such a course can only be run when members of staff are willing and available.
P: Subject to approval of the Head of Department.
CLAS404-24S1 (A) **Semester 1**

CLAS414 Special Topic
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
R: CLAS 314, CLAS 322
CLAS414-24S2 (A) **Semester 2**

CLAS415 Prescribed Texts: Greek
30 Points 0.2500 EFTS
A variety of Greek texts, for translation and critical analysis.
P: Subject to approval of the Head of Department.
CLAS415-24S1 (A) **Semester 1**

CLAS416 Prescribed Texts: Latin
30 Points 0.2500 EFTS
A variety of Latin texts, for translation and critical analysis.
P: Subject to approval of the Head of Department.
CLAS416-24S2 (A) **Semester 2**

CLAS480 BA (Hons) Essay
30 Points 0.2500 EFTS
A substantial piece of work on a particular topic.
P: Subject to approval of the Head of Department.
CLAS480-24W (A) **Whole Year (S1 and S2)**

CLAS660 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
CLAS660-24A (C) **Starts Anytime**
CLAS660-24S1 (C) **Semester 1**
CLAS660-24S2 (C) **Semester 2**

CLAS690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
CLAS690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

CLAS790 Classics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Coordinator
CLAS790-24A (C) **Starts Anytime**
CLAS790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Communication Disorders

Te Kura Mahi ā-Hirikapo | School of Psychology, Speech and Hearing

HEAR243 Introduction to Audiologic Assessment and Management
15 Points 0.1250 EFTS
This course provides students with foundational knowledge of the anatomy and physiology of the hearing mechanism, audiology and of the role of the audiologist in the diagnosis and management of hearing and balance disorders, as well as a thorough understanding of how to develop and implement aural rehabilitation plans for children and adults and their family members. Skills acquired include the interpretation of basic audiometric data in paediatric and adult audiology.
R: HEAR663
HEAR243-24S1 (C) **Semester 1**

Computational and Applied Mathematical Sciences

Te Kura Pāngarau | School of Mathematics and Statistics

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CAMS449 Research Project
30 Points 0.2500 EFTS
P: Subject to approval of the Head of School.
CAMS449-24W (C) **Whole Year (S1 and S2)**

CAMS689 MMathSci Thesis (CAMS)
90 Points 0.7500 EFTS
This course will give you research experience by completing an independent study on a project in Computational and Applied Mathematics. You will have an academic supervisor to provide research guidance throughout your project. Your research project topic will be chosen in discussion with your academic supervisor. We work with you to pair you up with a suitable supervisor. You will develop an initial research proposal and then undertake the research work. You will complete the project by producing a thesis and giving an oral presentation of your work.
P: Subject to approval of the Head of Department
CAMS689-24A (C) **Starts Anytime**

CAMS690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
CAMS690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

CAMS790 Computational and Applied Mathematics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
CAMS790-24A (C) **Starts Anytime**
CAMS790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Computer Engineering

Te Tari Pūhanga Hangarau | Department of Electrical and Computer Engineering

ENCE260 Computer Systems
15 Points 0.1250 EFTS
This is an introductory course to computer systems and is a mixture of computer programming in C, computer architecture, and embedded systems.
P: COSC121 or COSC131
R: ENEL206; both COSC208/ENCE208 and COSC221/ENCE221
ENCE260-24S2 (C) **Semester 2**

ENCE360 Operating Systems
15 Points 0.1250 EFTS
This course provides an overview of the concept of operating systems. An operating system is the most important system software and manages all the resources of a computer. This course provides a detailed view of operating system functions such as process management, memory management, I/O management, file management and virtualisation. This course also provides information about concepts such as mutual exclusion, and concurrent processes. There is an emphasis on design, implementation, and evaluation of modern operating systems including mobile and real-time operating systems.
P: ENCE260.
R: COSC321
RP: COSC110 or COSC101, COSC262.
ENCE360-24S2 (C) **Semester 2**

ENCE361 Embedded Systems 1
15 Points 0.1250 EFTS
Embedded Systems is the study of specialised computer hardware, such as microcontrollers, programmed to perform a series of tasks, typically using a high-level language such as C, and targeted towards dedicated applications.
P: ENCE260
R: ENEL353, ENEL323, COSC361, ELEC361, ENEL340
ENCE361-24S1 (C) **Semester 1**

ENCE461 Embedded Systems 2
15 Points 0.1250 EFTS
An advanced course on embedded systems with an emphasis on the hardware interfacing aspects of microcontrollers. Practical issues are considered, including multilayer printed circuit board design, CMOS interfacing, signal integrity, power supply decoupling, memory considerations, and peripheral operation and programming. The course is project-based where students have to design, assemble, and program a microcontroller-based system using multilayer printed circuit boards.
P: ENCE361
R: ENEL429
ENCE461-24S1 (C) **Semester 1**

ENCE464 Embedded Software and Advanced Computing
15 Points 0.1250 EFTS
This course combines software engineering practice for embedded systems with advanced computer architectures and memory systems. The first part considers real-time operating systems, semaphores, scheduling, concurrency, design patterns, and testing. The second part considers topics on high-performance computing, including pipelining, out of order execution, cache-memory systems, virtual memory systems, profiling, and optimisation.
P: ENCE361
R: ENCE463, ENCE462, ENEL428, ENEL429
ENCE464-24S2 (C) **Semester 2**

Computer Science

Te Tari Pūhanga Pūmanawa Rorohiko | Department of Computer Science and Software Engineering

COSC101 Working in a Digital World
15 Points 0.1250 EFTS
This course provides students with an understanding of how the digital world is engineered, and exposes them to a range of tools commonly used by knowledge workers. Students will learn to critically evaluate systems from both a technical and human point of view.
R: COSC110, DIGI 101
EQ: DIGI101
COSC101-24S1 (C) **Semester 1**

COSC121 Introduction to Computer Programming
15 Points 0.1250 EFTS
Computer programming in a high-level language with special emphasis on style and structure. This course is a prerequisite for COSC122 and higher level Computer Science, Computer Engineering and Software Engineering courses. It is an alternative to COSC131, with both courses teaching the fundamentals of computer programming using the Python language and can be taken by students who have no previous programming background. Topics include expressions, assignment, selection and iteration, structured data (lists, dictionaries, tuples, arrays), functional decomposition, file processing, and an introduction to object-oriented programming.
R: COSC131
COSC121-24S1 (C) **Semester 1**
COSC121-24S2 (C) **Semester 2**

COSC122 Introduction to Computer Science
15 Points 0.1250 EFTS
An introduction to Computer Science, including algorithms, complexity and data structures.
P: COSC121 or COSC131
COSC122-23SU2 (C) **Summer (Nov 23)**
COSC122-24S2 (C) **Semester 2**

COSC131 Introduction to Programming for Engineers
15 Points 0.1250 EFTS
Computer programming in a high-level language with special emphasis on numerical computation. This course is required for engineering intermediate and is an alternative to COSC121 as a prerequisite for COSC122 and all 200 level COSC and SENG courses. COSC131 teaches

the fundamentals of computer programming using the Python language and can be taken by students who have no previous programming background. Topics include expressions, assignment, selection and iteration, structured data (lists, dictionaries, tuples, arrays), functional decomposition, file processing, numerical computation with numpy, graph plotting with matplotlib and an introduction to object-oriented programming.

P: 1) MATH101, or 2) NCEA 14 Credits (18 strongly recommended) at level 3 Mathematics (including the standards 'Apply differentiation methods in solving problems (91578)' and 'Apply integration methods in solving problems (91579)'), or 3) Cambridge: D at A level or an A at AS level in Mathematics, or 4) IB: 4 at HL or 5 at SL in Mathematics, or 5) approval of the Head of Department based on alternative prior learning.
R: COSC121

COSC131-24S1 (C) **Semester 1**
COSC131-24S2 (C) **Semester 2**

COSC260 Turing: From the Computer Revolution to the Philosophy of AI

15 Points 0.1250 EFTS

This course tells you (nearly) everything you ever wanted to know about Alan Turing, the birth of the computer, and the Philosophy of Artificial Intelligence. It is a problem-based course, equally suitable for Arts, Science, Engineering, and Law students.

P: Any 15 points at 100 level in PHIL, COSC, LING, MATH, or PSYC, or any 60 points at 100 level from the Schedule V of the BA or the BSc.
R: PHIL250
EQ: PHIL250

COSC260-24S2 (C) **Semester 2**
COSC260-24S2 (D) **Semester 2**

COSC261 Formal Languages and Compilers

15 Points 0.1250 EFTS

This course deals with fundamental concepts and techniques in computer science. It covers automata, formal languages, compilers, computability and complexity theory.

P: (1) COSC121 or COSC131; (2) COSC122; (3) MATH120

COSC261-24S1 (C) **Semester 1**

COSC262 Algorithms

15 Points 0.1250 EFTS

This course teaches a range of fundamental algorithms and analyses their properties and behaviour.

P: (1) COSC121 or COSC131; (2) COSC122;
RP: MATH120

COSC262-24S1 (C) **Semester 1**

COSC264 Introduction to Computer Networks and the Internet

15 Points 0.1250 EFTS

This course covers principles of theory and practice of computer networks and the Internet, and it studies important Internet technologies and protocols, including: Ethernet / Local Area Networks, TCP/IP, Routing, and HTTP.

P: (1) COSC121 or COSC131; (2) COSC122; (3) EMTH119 or (MATH102 and MATH120) or (MATH102 and STAT101)

COSC264-24S2 (C) **Semester 2**

COSC265 Relational Database Systems

15 Points 0.1250 EFTS

An introduction to database systems, database design, relational databases and database management systems.

P: COSC121 or COSC131 or INFO125

COSC265-24S2 (C) **Semester 2**

COSC362 Data and Network Security

15 Points 0.1250 EFTS

The course covers principles and practice of cryptography and network security. The first half of the course focuses on cryptography (symmetric and public-key cryptographic protocols, key distribution, authentication, digital signature schemes). The second half focuses on network security (access control services and mechanisms for authentication, network security protocols, application layer security and secure network management).

P: COSC264 or MATH324 or MATH220.
R: LAWS306

COSC362-24S2 (C) **Semester 2**

COSC363 Computer Graphics

15 Points 0.1250 EFTS

This course focuses on all aspects of fundamental computer graphics methods, including three-dimensional object representations, transformations, projections and rendering algorithms. The theoretical bases and implementation aspects of illumination and reflection models, texture mapping techniques and ray tracing are also covered. The course aims to provide a good foundation of OpenGL programming for the development of graphics applications using both fixed-function and programmable pipelines. The course also gives an introduction to WebGL programming.

P: (1) ENCE260, (2) 30 points of 200-level Computer Science, (3) 15 points of 100-level MATH/STAT/EMTH (MATH120) recommended). MATH101 is not acceptable.

COSC363-24S1 (C) **Semester 1**

COSC364 Internet Technology and Engineering

15 Points 0.1250 EFTS

This course covers theory and practice of Internet routing and the application of mathematical optimization to network and capacity planning problems.

P: COSC264

COSC364-24S1 (C) **Semester 1**

COSC366 Research Project

15 Points 0.1250 EFTS

Students will gain experience in performing research in the fields of Computer Science and Software Engineering

P: (1)45 points of 200-level Computer Science (2) 30 points from Mathematics, Statistics or Engineering Mathematics or 15 points of Math/Stat (MATH120 recommended) and COSC262. MATH101 is not acceptable. (3) approval of the Head of Department
RP: COSC110 OR COSC101, ENCE260, COSC261, COSC262, SENG201

COSC366-23SU2 (C) **Summer (Nov 23)**

COSC367 Artificial Intelligence

15 Points 0.1250 EFTS

This course introduces major concepts and algorithms in Artificial Intelligence. Topics include problem solving, reasoning, games, and machine learning.

P: COSC262

COSC367-24S2 (C) **Semester 2**

COSC368 Human-Computer Interaction

15 Points 0.1250 EFTS

The course provides an introduction to Human-Computer Interaction (HCI). HCI is concerned with understanding, designing, implementing and evaluating user-interfaces so that they better support users in carrying out their tasks. On completing the course you will have knowledge of the theoretical foundations of designing for interaction between humans and computers. You will also have practical experience in implementing and evaluating graphical user interfaces.

P: (1) COSC121 or COSC131; and (2) 30 points from COSC261, COSC262, COSC264, COSC265, ENCE260, SENG201; and (3) 15 points of MATH/EMTH/STAT/PSYC206 (excluding MATH101 and MATH110)
RP: COSC101

COSC368-24S2 (C) **Semester 2**

DATA301 Big Data Computing and Systems

15 Points 0.1250 EFTS

The course introduces distributed computational techniques, distributed algorithms and systems/programming support for large-scale processing of data.

P: COSC 262

DATA301-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

COSC401 Machine Learning

15 Points 0.1250 EFTS

A study of computational processes that underlie learning in machines. The course covers fundamental theories and algorithms in machine learning.

P: (i) COSC 367; (ii) At least 45 points of 100-, 200- or 300-level MATH/EMTH/STAT (but not including MATH101, MATH110, STAT101); (iii) Subject to approval by the Head of Department

COSC401-24S1 (C) **Semester 1**

COSC420 Intelligent Tutoring Systems

15 Points 0.1250 EFTS

This course addresses the use of artificial intelligence to create computer-based intelligent tutoring systems.

P: Subject to approval of the Head of Department.

COSC420-24S1 (C) **Semester 1**

COSC421 Advanced Topics in Security

15 Points 0.1250 EFTS

This course will cover the wide-ranging issues on advanced topics in computer, network, and systems security. Students will learn from security fundamentals to advanced topics in security.

P: (1) COSC362 and (2) subject to approval by the Head of Department

COSC421-24S1 (C) **Semester 1**

COSC422 Advanced Computer Graphics
15 Points 0.1250 EFTS
This course focusses on concepts and algorithms in three application domains in the field of Computer Graphics: OpenGL-4 shader development, three-dimensional mesh processing, and character animation. The topics covered in the course include real-time rendering using tessellation and geometry shaders, image-based rendering using frame buffer objects, non-photorealistic rendering, advanced illumination models, mesh processing algorithms, quaternions, scene graphs, skeletal and keyframe animations, and motion kinematics

P: 1) COSC363 2) Subject to Approval of the Head of Department
COSC422-24S2 (C) **Semester 2**

COSC428 Computer Vision
15 Points 0.1250 EFTS
This course covers advanced techniques and algorithms used in real-time 3D computer vision, image processing and deep learning - from medical imaging to intelligent autonomous UAV/ robot vision.

P: Subject to approval of the Head of Department.
EQ: COSC428
COSC428-23SU2 (C) **Summer (Nov 23)**
COSC428-24S1 (C) **Semester 1**

COSC432 Relational Methods
15 Points 0.1250 EFTS
This course covers the algebraic structure of binary relations and their use for formally specifying and reasoning about programs, graphs and models described in predicate logic. It presents the mathematics of relational programming, modelling, algorithm development and correctness proofs, and tools supporting these activities.

P: (1) at least one of COSC261, COSC262; and (2) at least one of MATH120, MATH230
COSC432-24S2 (C) **Semester 2**

COSC439 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
COSC439-24S2 (C) **Semester 2**

COSC440 Deep Learning
15 Points 0.1250 EFTS
This course introduces students to the core concepts of deep neural networks. The course focuses on the computational process of problem formulation, model selection and design, implementation, analysis, and refinement for deep neural networks. We analyze a range of advanced neural network designs with transformative results in computer vision, natural language, anomaly detection, molecular design, and deep fakes. Students build competency in the theory and practice of creating deep neural network applications and will research, propose, and implement their own deep learning network for a given application domain.

P: (1) 30 points of 300-level COSC/SENG/DATA/ENCE/ENEL301; and (2) COSC122; and (3) COSC262 or ENEL300 or ENMT301
COSC440-24S2 (C) **Semester 2**

COSC441 Wireless Networking Systems and Performance
15 Points 0.1250 EFTS
This course provides an introduction to wireless networking, covering the different classes of wireless systems, fundamentals of wireless communications and wireless physical layers, medium access control protocols and routing protocols. Furthermore, students will gain hands-on experience with discrete-event simulation, a key methodology for performance assessment of wireless networking protocols and systems.

P: ENCE260, SENG201 and COSC364.
R: COSC418
COSC441-24S2 (C) **Semester 2**

COSC442 Natural Language Processing
15 Points 0.1250 EFTS
This course introduces central problems and methods in natural language processing. Through their experiences in this course, students will be able to apply and evaluate standard methods to new sets of language data. The course will enable students to design an application of natural language processing for a NZ-specific context and evaluate the performance of that application against reasonable baselines.

P: COSC367
COSC442-24S1 (C) **Semester 1**

COSC443 Ethics of Artificial Intelligence
15 Points 0.1250 EFTS
Artificial Intelligence (AI) is a new and rapidly developing field that affects social media, military actions, the way we are governed, our criminal justice and health systems, and many other areas that impact on our lives. In each of these areas, the use of AI can and will create situations that harm or benefit people and also non-human animals. Understanding the nature of these potential harms and benefits, their value and disvalue, and what can enhance, mitigate or remove them, can help to make the widespread adoption of AI technologies ethical and also more publicly acceptable.

P: Subject to approval by the Head of Department
R: PHIL425, PHIL424
COSC443-24S2 (C) **Semester 2**
COSC443-24S2 (D) **Semester 2**

COSC469 Research Methods in Computer Science and Software Engineering
15 Points 0.1250 EFTS
This course introduces students to research methods in Computer Science and Software Engineering. Critical research skills for postgraduate students are covered.

P: Subject to approval by Head of Department.
R: COSC460
COSC469-24S1 (C) **Semester 1**

COSC470 Research Project
30 Points 0.2500 EFTS
This course gives students in-depth research experience by completing a comprehensive computer science research project. A research topic will be chosen in discussion with a possible academic supervisor, a proposal developed and approved, and a written research report completed. Various milestones throughout the year include proposal development, written and oral progress reports, and final project presentations. At the end of the course, students will have studied and practised essential techniques and skills required to successfully complete a computer science research project.

P: Subject to approval of the Head of Department
C: COSC469
R: COSC460, COSC461
COSC470-24W (C) **Whole Year (S1 and S2)**

COSC471 Special Topic
15 Points 0.1250 EFTS
Special Topic

P: Approval by the Head of Department
COSC471-24S1 (C) **Semester 1**

COSC473 Special Topic
15 Points 0.1250 EFTS
P: Entry is subject to the approval of the Head of Department
COSC473-24S2 (C) **Semester 2**

COSC474 Special Topic
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department
COSC474-24S2 (C) **Semester 2**

COSC475 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department
COSC475-24S1 (C) **Semester 1**
COSC475-24W (C) **Whole Year (S1 and S2)**
COSC475-24S2 (C) **Semester 2**

COSC480 Computer Programming
15 Points 0.1250 EFTS
Computer programming and program development in a high-level language with special emphasis on style and structure.

P: Subject to approval of the Head of Department
COSC480-24S1 (C) **Semester 1**
COSC480-24S1 (D) **Semester 1**
COSC480-24S2 (C) **Semester 2**
COSC480-24S2 (D) **Semester 2**

COSC486 Research Project
15 Points 0.1250 EFTS
Students will gain experience in performing research in the fields of Computer Science and Software Engineering.

P: Entry is subject to the approval of the Head of Department.
RP: COSC400-level courses
COSC486-23SU2 (C) **Summer (Nov 23)**

COSC680 Computer Science Professional Project
60 Points 0.5000 EFTS
This course is the capstone project for the Professional Master of Computer Science (PMCS). Students will work on an open-ended project involving the design, development and test of a software-based solution to a complex problem.
P: Subject to approval of the Head of Department.
COSC680-24FY (C) **Full Year (February to February)**
Part-time enrolment (0.65 EFTS) is available on approval.

COSC681 AI Project
60 Points 0.5000 EFTS
This course is the capstone project for the Master of Artificial Intelligence (MAI). Students will work on an open-ended AI project involving the design, development and test of an AI software-based solution to a complex problem, including design, implementation, testing/evaluation and professional communication. They achieve practical knowledge and hands-on project experience that will be highly relevant in a workplace context. The student demonstrates competency to undertake professional leadership of an applied project.
P: Subject to approval of the Head of Department.
R: Only available to students enrolled in the Master of AI programme.
COSC681-24FY (C) **Full Year (February to February)**

COSC690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
COSC690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

COSC695 MCom Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
COSC695-24A (C) **Starts Anytime**

COSC790 Computer Science PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
COSC790-24A (C) **Starts Anytime**
COSC790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Construction Management

Te Tari Pūhanga Metarahi, Rawa Taiao | Department of Civil and Natural Resources Engineering

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENCM620 Construction Procurement and Contract Administration
15 Points 0.1250 EFTS
Construction procurement processes, contract fundamentals and responsibilities, contract administration, integrated project delivery, analysis of trends in procurement and contract administration.
P: Subject to approval of Programme Director
ENCM620-24S1 (C) **Semester 1**

ENCM630 Project Management, Planning and Control Techniques
15 Points 0.1250 EFTS
Project management techniques, managing project resources, controlling the project, analysis of trends in project management.
P: Subject to approval of Programme Director
ENCM630-24S1 (C) **Semester 1**

ENCM676 Construction Equipment and Heavy Construction Methods
15 Points 0.1250 EFTS
In this course the selection and acquisition of construction equipment is covered. During the course, students will develop a better understanding of the factors affecting the selection, scheduling and use of heavy construction equipment. The students will learn to apply engineering fundamentals, construction engineering and management knowledge and construction engineering and management knowledge from this course to solve problems encountered with construction equipment and to design construction processes that involve the use of equipment.
ENCM676-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

ENCM682 Research Project
30 Points 0.2500 EFTS
Special project in Construction Management Engineering
P: Subject to approval of Programme Director
ENCM682-24A (C) **Starts Anytime**

ENCM690 Construction Management Thesis
120 Points 1.0000 EFTS
Construction Management Thesis
P: Subject to approval of Programme Director.
ENCM690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

Counselling

Te Kaupeka Oranga | Faculty of Health

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

COUN671 Counselling and Psychology: Theories and Skills
30 Points 0.2500 EFTS
Studies of counselling and psychological theories and their implications for practice. Practice in the skills of an intentional interviewing model of helping.
P: Subject to approval of the Head of School
R: CFPY604, EDUC461, EDEM664, HLTH481
COUN671-24W (C) **Whole Year (S1 and S2)**

COUN672 Counselling Supervision and Reflective Practice
15 Points 0.1250 EFTS
In this course students are introduced to a solution-focused model of supervision and reflective practice. They also explore the importance and implications of cultural supervision for safe counselling practice. The course requires students to engage in group supervision and reflective practice.
C: COUN675
R: EDEM671, EDEM672
COUN672-24W (C) **Whole Year (S1 and S2)**

COUN675 Professional Counselling Practice I
30 Points 0.2500 EFTS
This course aims to enable students to develop and practise effective and purposeful collaborative interventions with clients.
P: Subject to approval of the Head of School of Health Sciences
R: EDEM 672
COUN675-24W (C) **Whole Year (S1 and S2)**

COUN681 Solution-focused theory and skills with individuals and groups
30 Points 0.2500 EFTS
Solution-focused therapy is a strengths-based model that emphasises clients' natural resources and successful experiences to help them bring about change and a shift toward their preferred future. The primary purpose of this course is to introduce you to the theory, skills and tools of solution-focused brief therapy. You will examine social constructionism, the theoretical perspective that accounts for shifts in clients' perceptions and definitions and enables them to work towards building a more favourable future. You will also have the opportunity to engage with what it is like to think and act in a solution-focused manner. The emphasis will be on providing a balance of theory and practice to assist you to gain knowledge and confidence in working with individuals, and co-leading groups integrating a solution focused approach with principles of social justice, bicultural and multicultural counselling.
P: Subject to approval of the Head of School
R: COUN678; COUN679
COUN681-24W (C) **Whole Year (S1 and S2)**
COUN681-24X1 (O)

COUN683 Professional Counselling Practice II (Part A) Part Time
30 Points 0.2500 EFTS
The aim of this course is to provide the context in which students can demonstrate confident and competent, safe, ethical and effective bicultural and multicultural counselling practice at a professional level through sustained counselling practice, focused supervision and presentation of counselling work that demonstrates their competence.
P: COUN675; COUN672
R: COUN676/COUN673/COUN674/COUN685
COUN683-24A (C) **Starts Anytime**

COUN684 Professional Counselling Practice II (Part B) Part Time
30 Points 0.2500 EFTS
The aim of this course is to provide the context in which students can demonstrate confident and competent, safe, ethical and effective bicultural and multicultural counselling practice at a professional level through sustained counselling practice, focused supervision and presentation of counselling work that demonstrates their competence.
P: COUN675; COUN672
R: COUN676/COUN673/COUN674/COUN685
COUN684-24A (C) Starts Anytime

COUN685 Professional Counselling Practice II
60 Points 0.5000 EFTS
The aim of this course is to provide the context in which students can demonstrate confident and competent, safe, ethical and effective bicultural and multicultural counselling practice at a professional level through sustained counselling practice, focused supervision and presentation of counselling work that demonstrates their competence.
P: COUN675; COUN672
R: COUN676/COUN673/COUN674/COUN683/COUN684
COUN685-24A (C) Starts Anytime

COUN695 Counselling Dissertation
60 Points 0.5000 EFTS
A supervised, independent counselling research project
P: Subject to approval of the Head of School of Health Sciences
COUN695-24A (C) Starts Anytime
COUN695-24A (D) Starts Anytime

COUN698 Professional Counselling Research Portfolio
90 Points 0.7500 EFTS
P: 1) COUN675 and one of EDEM693 or EDEM697 or EDEM698 or an approved Research Methods course. 2) Subject to approval of the Head of School
COUN698-24A (D) Starts Anytime

Criminal Justice

Te Kaupeka Ture | Faculty of Law

CRJU101 Introduction to Criminal Justice
15 Points 0.1250 EFTS
The structure of the Criminal Justice system and the role of government agencies: Investigative and prosecutorial agencies such as Police, Fisheries, Customs, Serious Fraud Office, Crown prosecutors (includes ESR); the criminal courts (High, District and Youth Courts) jurisdiction and roles); Corrections and related activities (includes Probation, fines enforcement etc, community service etc; CYPS.
R: LAWS150
EQ: LAWS150
CRJU101-24S1 (C) Semester 1
CRJU101-24S1 (D) Semester 1

CRJU150 Legal Method in the Criminal Justice Context
15 Points 0.1250 EFTS
Legal method in the criminal law context provides an introduction to understanding legal concepts, the sources of law, and the structure of the criminal justice system in New Zealand. Students will be introduced to important concepts and definitions and to the techniques of legal reasoning, case analysis and statutory interpretation through an examination of criminal cases and laws. They will also be introduced to the impact Tikanga and customary law has on understanding legal method in New Zealand. Students who study this course will be well equipped to understand legal method from a New Zealand criminal law perspective.
R: LAWS101
CRJU150-24S1 (C) Semester 1

CRJU160 Legal Issues in the New Zealand Criminal Justice System
15 Points 0.1250 EFTS
Legal Issues in the New Zealand criminal justice system will introduce students to current and emerging issues in the criminal justice system. It will begin by providing an overview of the complex legal rules which regulate the investigation and prosecution and punishment of criminal offences and offenders. Case studies and contemporary law reform initiatives will be used to provide perspectives on the working of these legal rules as practice, and as tools to discuss the process in which the law might be changed. Students who study this course will be well equipped to understand the nature of the New Zealand criminal justice system.
CRJU160-24S2 (C) Semester 2

CRJU201 Crime and Justice
15 Points 0.1250 EFTS
This course introduces students to the principal theories of crime and applies those theories to an understanding of crime in New Zealand.
P: Any 15 points at 100 level in SOCI, ANTH, CRJU, or LAWS, or any 60 points at 100 level from the Schedule V of the BA.
R: SOCI218
EQ: SOCI218
CRJU201-24S1 (C) Semester 1

CRJU202 Criminal Law for Criminal Justice
15 Points 0.1250 EFTS
General principles of criminal law (liability for offences, overview of party liability, inchoate offences and general defences).
P: Either CRJU150 or LAWS150
R: LAWS202
CRJU202-24S1 (C) Semester 1

CRJU211 Forensic Science for Criminal Justice
15 Points 0.1250 EFTS
An introduction to forensic science for students in criminal justice disciplines. The course includes, crime scene investigation, autopsy techniques, forensic science lab investigations and interpreting forensic results in a legal context.
P: 60 points at 100 level.
R: CHEM111, CHEM114, BIOL112, BIOL111, BIOL113
CRJU211-24S1 (C) Semester 1

CRJU222 Whakataka Nga Here: Colonisation and the Criminal Justice System
15 Points 0.1250 EFTS
This course will examine one of the most pressing issues facing Aotearoa New Zealand. Students will explore historical and contemporary determinants of Māori over-representation in the criminal justice system. The course also engages with contemporary responses to the challenges we will examine, and identify future solutions.
P: Any 15 points at 100-level in SOCI, ANTH, CRJU, or LAWS, or any 60 points at 100-level from the Schedule V of the BA.
R: SOCI222
CRJU222-24S2 (C) Semester 2

CRJU301 Sentencing Theory and Practice
15 Points 0.1250 EFTS
Theoretical bases for sentencing: just deserts, utilitarianism and other theories. Plea negotiation. Sentencing Act 2002- process, principles and practice. Probation and parole. Proceeds of Crime legislation.
P: CRJU202 or LAWS202.
R: LAWS337; LAWS366
RP: CRJU201/SOCI218; CRJU307/LAWS365
EQ: LAWS366
CRJU301-24S1 (C) Semester 1

CRJU302 Prisons and Corrections
30 Points 0.2500 EFTS
This course introduces students to the New Zealand correctional system and demonstrates how it has evolved since 1840. It then examines various aspects of the correctional system in detail.
P: (1) Any 30 points at 200 level in SOCI or ANTH, or (2) Any 60 points at 200 level from the Schedule V of the BA, or (3) i. CRJU201 and either ii.CRJU202 or LAWS202
R: SOCI358
EQ: SOCI358
CRJU302-24S2 (C) Semester 2

CRJU307 Issues in Policing and Prosecution
15 Points 0.1250 EFTS
This course focuses on the structure, scope and contemporary issues relating to policing and prosecution in New Zealand, including critical assessments of police powers; the role of the Independent Police Conduct Authority (IPCA); aspects of the Police and Crown prosecution processes, diversion, restorative justice and alternatives to traditional court prosecution of offenders; and selected contentious issues, such as the effects of policing policies and practices on vulnerable groups.
P: CRJU202 or LAWS202.
R: LAWS337, LAWS365
RP: CRJU201/SOCI218
EQ: LAWS365
CRJU307-24S2 (C) Semester 2

CRJU308 The Principles of Evidence
15 Points 0.1250 EFTS
The course aims to provide a sound academic grounding in key principles of the law of evidence. It will examine the key topics of relevance, reliability, probative value, illegitimate prejudice, the influence of human rights, burden of proof, rules of inadmissibility (including hearsay, veracity and propensity and privilege), and trial procedure. In focusing on these key aspects of the law of evidence this course will adopt a strong principle based approach in which the theoretical underpinnings of the development of the law will be examined and discussed.

P: (1) CRJU202 and 45 additional points at 200 level from Schedule C to the Bachelor of Criminal Justice, or (2) LAWS202 and 30 additional points at 200 level from Schedule C to the Bachelor of Criminal Justice.
R: LAWS316, LAWS307
CRJU308-24S2 (C) **Semester 2**

CRJU309 International Criminal Law
15 Points 0.1250 EFTS
The aim of this course is to provide a comprehensive introduction to the field of international criminal law, which is taken to include the substantive criminal law (international and transnational crimes), and international criminal procedures (such as extradition, mutual legal assistance, transfer of proceedings, transfer of prisoners, recognition of criminal judgments, etc).

P: (1) CRJU202 and 45 additional points at 200 level from Schedule C to the Bachelor of Criminal Justice, or (2) LAWS202 and 30 additional points at 200 level from Schedule C to the Bachelor of Criminal Justice.
R: LAWS321
EQ: LAWS321
CRJU309-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

CRJU601 Research Methods in Criminal Justice
30 Points 0.2500 EFTS
This course provides an introduction to the techniques used in criminal justice research. The goal of this course is to help students develop an understanding of the kinds of research conducted in the criminal justice field, the role of the researcher, general steps in the research process, and research design, statistical analysis and kaupapa Māori research methods. In addition, attention will be given to the ethical issues the researcher must consider when designing research and the process of ethical approval. Finally, the course will explore the application of research findings to real world situations.

P: Subject to the approval of the Head of Department of Law.
CRJU601-24S1 (C) **Semester 1**

CRJU602 Criminal Justice Systems
30 Points 0.2500 EFTS
This course will examine the approaches, practices and processes, and responsible institutions that make up criminal justice systems both in Aotearoa New Zealand and in other jurisdictions. It will consider the factors involved in the decisions and practices in these systems and their functions and dysfunctions, and will also consider current issues and potential reform in these areas.

P: Subject to the approval of the Head of Department of Law.
CRJU602-24S2 (C) **Semester 2**

CRJU603 Contemporary Issues In Criminal Justice
30 Points 0.2500 EFTS
This course will examine issues of critical importance to the nature and quality of criminal justice. It will consider the political, societal and cultural influences on the emergence of these issues, and evaluate the resilience of criminal justice systems in responding to these issues.

P: Subject to the approval of the Head of Department of Law.
CRJU603-24S2 (C) **Semester 2**

CRJU604 Internship
30 Points 0.2500 EFTS
This course provides students with the opportunity to apply the knowledge and skills they have acquired in other parts of the Master of Criminal Justice in a professional environment. Placements in areas such as police, corrections and justice as well as non-governmental organisations with an emphasis on criminal justice issues or advocacy will not only give students workplace experience relevant to their degree, but will introduce them to professional ethics, standards and conduct in the criminal justice sphere. Combined with an academic component, which will be relevant to the placement, the internship is intended to help facilitate students' transformation from university students to criminal justice professionals able to reflect critically on both their own performance and organisational culture.

P: Subject to the approval of the Head of Department of Law.
CRJU604-24S2 (C) **Semester 2**

CRJU605 Professional Cultures
30 Points 0.2500 EFTS
This course provides students with the opportunity to think critically and reflectively about an organisation, policy or process of reform in the criminal justice sphere. With the help of an academic supervisor, students will research, plan and present a project, which investigates some part of the criminal justice system unrelated to their dissertation topic and allows them to reflect on and assess the professional standards and culture in that area, while gaining skills in the area of project planning, reporting and time management.

P: Subject to the approval of the Head of Department of Law.
CRJU605-24S1 (C) **Semester 1**

CRJU680 Dissertation
60 Points 0.5000 EFTS
This course will provide candidates with an opportunity to research and present an extended piece of academic writing that engages with the analysis of one or more key issues in the field of criminal justice. The course will offer training in advanced skills relating to qualitative and/or quantitative analysis and will assess the ability of candidates to present cogent analysis to a professional and informed audience in both a written and an oral format. All CRJU680 candidates are required to produce a Dissertation of 20,000 words on a subject of the candidate's choice.

P: Subject to the approval of the Head of Department of Law.
CRJU680-24FY (C) **Full Year (February to February)**

CRJU790 Criminal Justice PhD
120 Points 1.0000 EFTS
CRJU790 Criminal Justice PhD

P: Subject to Dean's approval
CRJU790-24A (C) **Starts Anytime**
CRJU790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Cultural Studies

School of Humanities

CULT114 Te Patu a Maui : The Treaty of Waitangi - facing and overcoming colonisation
15 Points 0.1250 EFTS
Through focus on the themes of Power, Property and Citizenship, this course examines the historical realities of the Treaty, enabling an understanding of the modern colonial nation state and its processes with respect to Indigenous peoples. The course examines Māori responses, engagement with, and resistance to the colonial project leading to a critical understanding of colonialism.

R: MAOR108, MAOR113 (prior to 2006)
EQ: MAOR108
CULT114-23SU2 (D) **Summer (Nov 23)**

CULT201 Media Audiences
15 Points 0.1250 EFTS
How does our media consumption shape our opinions, actions, identities and lives? How do audiences influence the production and circulation of media? How do we create our own media presence online, and act as an audience for each other? This course examines the relationship between audiences and media. We discuss theory and research that represents audiences as passive consumers of media products, active decoders of media texts, producers of our own representations online, and participants in interactive media production. The course looks at a broad range of media forms and content to reflect and build on your own experiences of being media audience members. "Media Audiences" will encourage you to reflect on your own relationship with media, and to consider the broader contexts that shape your listening, viewing, reading, and interaction. This course has on-campus and distance options. It has a one hour lecture and a two-hour workshop each week. The course includes group work in classes and for assessments, and requires active in-class engagement. You will advance core skills in reading and carrying out research, with reflection, collaborative work, networking, creativity, writing and presentation.

P: Any 15 points at 100 level from COMS or CULT, or any 60 points at 100 level from the Schedule V of the BA.
R: COMS201
EQ: COMS201
CULT201-24S2 (C) **Semester 2**

CULT202 Cultural Politics/Cultural Activism
15 Points 0.1250 EFTS
This course offers students a grounding in Cultural Studies theories and methods. It examines the political dynamics and historical foundations of contemporary culture, and the strategic roles that it can play as a force for change. Drawing from a wide variety of examples, it focuses on how culture - as a process, as a practice, and as the production of meaning - functions as a battleground in the assignment of and struggle for social power.

P: Any 15 points at 100 level from CULT or ENGL, or any 60 points at 100 level from any subject.
R: ENGL232
EQ: ENGL232
CULT202-24S1 (C) **Semester 1**

CULT206 Animals on Screen
15 Points 0.1250 EFTS
This course explores cinematic representations of insects, mammals, fish, birds and reptiles, with an emphasis on their special place in horror and science fiction genres. Students will also be introduced to Human-Animal Studies as a field of scholarship.

P: Any 15 points at 100 level from CULT or ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: AMST236, AMST331, ENGL243, GEND213, GEND311, and ENGL349
EQ: ENGL243
CULT206-24S2 (C) **Semester 2**

CULT207 Constructing Bodies
15 Points 0.1250 EFTS
This course focuses on the ways in which the body is shaped in culturally/historically specific contexts, which include the lived body as a site of knowledge and experience. It explores a range of body practices, representations and technologies such as non-mainstream body modification, sexuality education, trans medico-surgical practices and the sexualization of culture.

P: Any 15 points at 100 level from CULT or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: GEND102, FMST102, GEND112, AMST113, CULT112, AMST142, GEND201, SOCI202
EQ: GEND201, SOCI202
CULT207-24S2 (C) **Semester 2**

CULT209 Humans, Animals and Society
15 Points 0.1250 EFTS
This course introduces students to the study of human relations with other species and the natural world. It provides students with the opportunity to question taken for granted assumptions about nature, the environment and the roles of animals in society and the human services. The topic adopts a social justice approach and includes consideration of issues such as ecofeminism, animal liberation and speciesism in relation to other forms of oppression. The course provides students with the opportunity to question taken for granted assumptions about power as well as encouraging students to think about the nature, form and process of advocacy on behalf of the marginalized.

P: 15 points at 100 level in CULT or HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
R: HSRV209
EQ: HSRV209
CULT209-24S1 (D) **Semester 1**
CULT209-24S1 (C) **Semester 1**

CULT214 Cinematic Sin and Sensuality
15 Points 0.1250 EFTS
This course addresses the myriad and often conflicting ways that sex and sexuality have been represented throughout the history of Western cinema, with an emphasis upon Hollywood and American independent film.

P: Any 15 points at 100 level from CINE or CULT, or any 60 points at 100 level from the Schedule V of the BA.
R: CINE223
RP: CINE101, CINE102, CINE104
EQ: CINE223
CULT214-23SU2 (C) **Summer (Nov 23)**
CULT214-24S2 (C) **Semester 2**

CULT219 Te Tiriti: The Treaty of Waitangi
15 Points 0.1250 EFTS
This course uses the Treaty of Waitangi to frame examinations of contemporary New Zealand society. We ask questions designed to highlight and emphasise the relevance of the Treaty of Waitangi to everyday New Zealanders. In addition, the course looks at the importance of this document in the maintenance of Crown and Māori relations. Topics covered range from the signing of the Treaty, and historical developments, to the protest movements and activism of the continuing Māori renaissance period, race relations and one law-for-all.

P: Any 15 points at 100 level from CULT, HIST, HSRV, MAOR, POLS, SOCI, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: MAOR219, POLS218, POLS258, HIST268, SOCI209, HSRV207
EQ: MAOR219, POLS218, POLS258, HIST268, SOCI209, HSRV207
CULT219-24S2 (C) **Semester 2**

CULT252 Crime Stories
15 Points 0.1250 EFTS
The course addresses the usefulness and range of the crime genre as an appropriate focus for the acquisition of the skills (in research, critical analysis, and written expression) peculiar to English studies, as well as a form of social and political critique. It will particularly concentrate on the last two centuries of the representations of crime, detection, confession, and punishments, assaying major trends and preoccupations present in a range of texts and theories. Within a general contextual examination of engagements between these facets, the development of genre forms and concerns will be considered, especially because the genre often speculates the fears and desires of its time in ways that likewise shape wider perceptions of crime and punishment. Students will be expected to read a range of key material, including a small selection of novels, some short fiction, theoretical writings and visual texts that should represent differences and similarities in representation and subject choice that writers and directors negotiate.

P: Any 15 points at 100 level from CULT or ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: ENGL252; ENGL352; CULT352
EQ: ENGL252
CULT252-24S1 (C) **Semester 1**

CULT302 Takahi: Colonisation
30 Points 0.2500 EFTS
Colonisation has had a significant effect on the shaping of contemporary New Zealand society. This course will cover key events in the colonisation throughout New Zealand's brief colonial history. This course utilises different theories of colonisation to critically examine the continued subjugation of Indigenous Peoples in Aotearoa and around the world. Special attention will also be paid to breaking down the power relationships that have emerged between coloniser and colonised.

P: Any 30 points at 200 level from CULT, HIST, or MAOR, or any 60 points at 200 level from the Schedule V of the BA.
R: MAOR317, RELS322, HIST366
EQ: MAOR317, RELS322, HIST366
CULT302-24S1 (C) **Semester 1**

CULT303 Sexualities in Culture
30 Points 0.2500 EFTS
This course analyses representations and models of 'normal' and 'abnormal' sexuality as these occur in sexology, psychiatry, self-help psychology, cinema and popular culture, and queer activism.

P: Any 30 points at 200 level from CULT or ENGL, or any 60 points at 200 level from the Schedule V of the BA.
R: AMST332, ENGL332, GEND307, GEND211
EQ: ENGL332
CULT303-24S1 (C) **Semester 1**

CULT319 Ngāti Āpōpō: Māori Futures
30 Points 0.2500 EFTS
This course explores the local, national and global trends that will materially impact on the future trajectory of Māori self-determination and futures making. Students will investigate how Māori navigate such shifts and trends to advance self-determination as change agents.

P: Any 30 points at 200 level from CULT, MAOR or POLS, or any 60 points at 200 level from the Schedule V of the BA.
R: MAOR301, POLS331, POLS358
EQ: MAOR301
CULT319-24S1 (C) **Semester 1**

CULT322 Documentary: From the Margins to the Mainstream
30 Points 0.2500 EFTS
This course examines the artistic and political principles that govern the representation of reality in contemporary documentary film.

P: Any 30 points at 200 level from CINE or CULT, or any 60 points at 200 level from the Schedule V of the BA.
R: CINE302
EQ: CINE302
CULT322-24S2 (C) **Semester 2**

CULT335 Animals in Culture
30 Points 0.2500 EFTS
This course explores the role of imagery and narrative in producing historical and contemporary ideas about 'animality' and 'speciesism' across a range of texts and media (including mythology, fables and bestiaries; wildlife documentaries; contemporary art; graphic novels; animal biographies; online activism; social media). Students will also learn about intersectional theory and its use in the field of Critical Animal Studies.

P: Any 30 points at 200 level from CULT or ENGL, or any 60 points at 200 level from the Schedule V of the BA.
R: ENGL318
EQ: ENGL318
CULT335-24S2 (C) **Semester 2**

CULT336 Heroines in History
30 Points 0.2500 EFTS
From the days of the Virgin Mary to the advent of Lorde, this course travels through time critically recovering a wide variety of global and local historical heroines. It moves beyond traditional mythological celebration to consider how women's histories have been told, re-told, and represented. What does it take to become celebrated as an icon or role model? Themes include spirituality, health and well-being, warrior and regal identities, politics, governance and domesticity, cross-dressing, martyrdom and untimely death, imperialism, science and technology, education and glamour.

P: Any 30 points at 200 level from CULT or HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST361, HIST255
EQ: HIST361, HIST255
CULT336-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

CULT402 Cultural Studies, Supervised Research
30 Points 0.2500 EFTS
An introduction to postgraduate-level research in Cultural Studies.
P: Subject to approval of the Programme Director.
CULT402-24S1 (C) **Semester 1**
CULT402-24S2 (C) **Semester 2**

CULT416 Constructing Feminist History
30 Points 0.2500 EFTS
A synthesizing sweep of the construction of feminist history in post counter cultural western societies. It examines the growth and development of women's, gender and feminist history. The major theme is the contested position of women as essential subjects in history.
P: Subject to approval of the Programme Director.
R: HIST440, CULT404, GEND412
EQ: HIST440, CULT404, GEND412
CULT416-24S2 (C) **Semester 2**

CULT419 The Policies and Politics of Sex
30 Points 0.2500 EFTS
This course provides students with an interest in human service practice the opportunity to investigate shifting socio-cultural constructions of sexuality with an emphasis on the contradictions and complexities in the social regulation of sexuality and the contours of state control. Issues relating to human service practice explored in the course include: reproductive rights; law reforms, queer culture and homophobia; local and international control of prostitution; the emergence of sexual rights; pornography and eroticism; sex education and the hidden curriculum; sex and harrassment; sexual violence; safe sex and the HIV/AIDS era; sexuality and ageing; cultural sexualities; the medicalisation of sexuality and the transgendered body.
P: Subject to approval of the Programme Director.
R: HSRV407
EQ: HSRV407
CULT419-24S1 (D) **Semester 1**
CULT419-24S1 (C) **Semester 1**

CULT420 Te Matakahi: Indigenous Critical Theory
30 Points 0.2500 EFTS
Theory for Māori and Indigenous scholars. The study of counter-hegemonic theory in contemporary post-colonial states. How resistance theory and praxis evolved in response to colonial expansion, assimilation and other violence. The contribution of emancipatory theorising. Limits and restrictions placed upon Indigenous options by neoliberalism, biculturalism and multiculturalism, and, self-locking within the coloniser-colonised binary. Can we maintain resistance and create new spaces and practices 'outside' of this relationship? Theorists include Frantz Fanon, Albert Memmi, Edward Said, Malcolm X, Homi Bhabha, Gayatri Spivak and others.
P: Subject to approval of the Programme Director.
R: MAOR401
EQ: MAOR401
CULT420-24S1 (C) **Semester 1**

CULT650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
CULT650-24A (C) **Starts Anytime**
CULT650-24S1 (C) **Semester 1**
CULT650-24S2 (C) **Semester 2**

CULT690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.
CULT690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

CULT790 Cultural Studies PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.
CULT790-24A (C) **Starts Anytime**
CULT790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Data Science

Te Kura Pāngarau | School of Mathematics and Statistics

DATA101 Introduction to Data Science
15 Points 0.1250 EFTS
Data Science is a fast growing, important, and globally in-demand discipline. This course is designed to introduce students to the fundamentals of this field. It will start by introducing key mathematical and statistical concepts and applications like exploratory data analysis, probability (with a focus on essential theories, discrete and continuous random variables), modelling, inference, and bivariate data. It will also address a range of more applied topics where data is important to making decisions, including data wrangling, data analysis, and data visualisation, supported by the statistical programming language R.
P: 1. MATH101, or 2. NCEA 14 Credits at level 3 Mathematics, or 3. Cambridge: D at A level or an A at AS level in Mathematics, or 4. IB: 4 at HL or 5 at SL in Mathematics, or 5. Approval of the Head of School based on alternative prior learning.
R: STAT101 and DIGI103
DATA101-24S2 (C) **Semester 2**

DATA201 Data Wrangling
15 Points 0.1250 EFTS
This course introduces students to data cleaning, standardisation, and the integration of disparate data sources and structures. Students will learn how to convert data from many different sources into a consistent format ready for analysis, and will learn about data quality, ethics, management, storage, and persistency.
P: 15 points of 100 level COSC, DATA, MATH, or STAT or INFO125
DATA201-24S2 (C) **Semester 2**

DATA203 Data Science Multivariable Methods
15 Points 0.1250 EFTS
This course develops foundations for data science techniques. The focus of this course is on applications to modern data processing problems. Students will be introduced to multivariate statistical, linear algebra and calculus topics that are needed in data science and related subjects.
P: One of DATA101, STAT101 or EMTH119; and one of MATH102, MATH199 or EMTH118
R: MATH203 / EMTH211
DATA203-24S1 (C) **Semester 1**

DATA301 Big Data Computing and Systems
15 Points 0.1250 EFTS
The course introduces distributed computational techniques, distributed algorithms and systems/programming support for large-scale processing of data.
P: COSC 262
DATA301-24S1 (C) **Semester 1**

DATA303 Computational Data Methods
15 Points 0.1250 EFTS
This course extends multivariate data science techniques to topics such as classification, data fitting, regularization and regression. The focus of this course is on the methods which support many modern data processing applications. Students will be introduced to multivariate statistical techniques, linear algebra and calculus topics that are needed in data science.
P: MATH203 or DATA203 or EMTH211
R: MATH303
DATA303-24S2 (C) **Semester 2**

DATA305 Legal, Regulatory, and Policy Considerations Around AI Technologies
15 Points 0.1250 EFTS
This course provides students with a basic understanding of the concept of artificial intelligence (AI) and the existing spectrum of AI technologies. It has an easily understandable, lay-person-accessible format, requiring no prior mathematical or computer science knowledge. The course also gives an overview of the evolving AI legal, regulatory, and policy landscape. Upon successful completion of the course, students will possess the necessary technical understanding, research, analytical, problem solving, as well as collaboration and communication skills to tackle legal, regulatory, and policy issues related to the development and societal adoption of AI technologies independently or as member of an interdisciplinary team.
P: (1) Any 60 points at 200-level from Schedule C and S to the Bachelor of Data Science; or (2) LAWS101.
C: For LLB students: LAWS202-206. For BDataSc and other non-LLB students: N/A.
R: DATA416
DATA305-24S1 (C) **Semester 1**

DATA309 Data Science Capstone Project
30 Points 0.2500 EFTS
This course will develop your ability to undertake research in data science. Your project will be motivated by a real data science problem, and you will design and complete a research project towards a solution. You will work in a group, with group supervision and, where appropriate, will meet with your data science industry contact. The course consists of regular lectures/tutorials and project group meetings, supported by web-based resources. You will present your findings to other students and stake holders, and prepare a written report. The emphasis is on working together to solve real-life data science problems using skills that are transferable to the workplace.

P: Subject to approval of the Head of Department.

DATA309-24A (C) **Starts Anytime**
DATA309-24S2 (C) **Semester 2**

DATA473 Special Topic
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.

DATA473-24S2 (C) **Semester 2**

DATA474 Special Topic: Mathematical Data Science
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.

DATA474-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

DATA401 Introduction to Data Science
15 Points 0.1250 EFTS
This course covers the development of statistical concepts and their application to complex systems.

P: Subject to approval of the Head of School.

DATA401-24S1 (C) **Semester 1**
DATA401-24S1 (D) **Semester 1**
DATA401-24S2 (C) **Semester 2**
DATA401-24S2 (D) **Semester 2**
DATA401-24X (C) **25 Nov 2024 - 09 Feb 2025**

DATA415 Computational Social Choice
15 Points 0.1250 EFTS
This course provides a thorough introduction to both classical and computational social choice. Social choice theory is the study of mechanisms for collective decision making, such as voting rules or protocols for fair division. Computational social choice addresses problems at the interface of social choice theory with computer science, it uses concepts from social choice theory in the presence of big datasets. This course will introduce some of the fundamental concepts in social choice theory and how they are used in today's data science. The topics covered include material in voting theory, preference aggregation, judgment aggregation, and fair division.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA415-24S2 (C) **Semester 2**
DATA415-24S2 (D) **Semester 2**

DATA416 Contemporary Issues in Data Science
15 Points 0.1250 EFTS
This course focuses on the technical challenges in data science that societal and regulatory actions pose. It aims to introduce students the often very different and sometimes even conflicting perspectives from which policymakers and the technical community approaches these problems. We will review and discuss different examples from different areas of data science such as the extent to which machine learning and deep learning techniques conform with GDPR regulations on transparency, explainability, and accountability; impossibility theorems showing off the limits of data science methods; the mathematical foundations and data science techniques for mechanism design in order to manipulate beliefs (represented as transitive, anti-symmetric, and complete binary relations); and provide students as potential future product developers with the necessary knowledge to engage in responsible product development practices that are informed by regulatory requirements and expectations. This course develops students' understanding of the role of data science in decision making and the impact of data science in the design of AI systems. The course reflects the main issues of controversy identified in international policy debates.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA416-24S1 (C) **Semester 1**
DATA416-24S1 (D) **Semester 1**

DATA417 The Trustworthy Data Scientist
15 Points 0.1250 EFTS
This course will stimulate students to think about the ethical facets of their data scientific projects and provide them with conceptual and practical tools to assess said project. The ethics and security of data collection, storage, manipulation, analysis and communication is of paramount importance in our information based society. This course faces these topics from the point of view of data scientists-rather than consumers or data subjects-enabling the student to become trustworthy professionals. The students will learn to identify risk and opportunities related to fairness, agency, interpretability, and security. Māori Data Sovereignty, Te Mana Raraunga, and its relevance for data scientist in New Zealand will be introduced. The course will follow a flipped class-room flow. Fundamental concepts will be first introduce via guided discussions and hands-on-data exercises during the laboratories. In the lectures, the understanding of concepts and tools introduced in the laboratories is made rigorous and generalised.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA417-24S1 (C) **Semester 1**

DATA420 Scalable Data Science
15 Points 0.1250 EFTS
This course will introduce students to core topics in scalable data science based on distributed-computing techniques. This is a very practical course, with students learning by experimenting on a computer cluster.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA420-24S1 (C) **Semester 1**
DATA420-24S1 (D) **Semester 1**
DATA420-24S2 (C) **Semester 2**
DATA420-24S2 (D) **Semester 2**

DATA422 Data Wrangling for Data Science
15 Points 0.1250 EFTS
This course develop students skills in data cleaning and processing, data integration techniques and implementing data wrangling workflows for a real world datasets.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA422-24S2 (C) **Semester 2**
DATA422-24S2 (D) **Semester 2**

DATA423 Data Science in Industry
15 Points 0.1250 EFTS
In this course we will address core topics in the application of data science in industry.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA423-24S1 (C) **Semester 1**
DATA423-24S1 (D) **Semester 1**
DATA423-24S2 (C) **Semester 2**
DATA423-24S2 (D) **Semester 2**

DATA425 Foundations of Deep Learning
15 Points 0.1250 EFTS
The aim of this course is to introduce students to foundational concepts of deep neural networks. The focus of this course is on both fundamental and applied methods in deep neural networks. A range of topics from convolutional and recurrent type networks to neural-network generative models and attention mechanisms will be introduced.

P: Subject to HoS approval
R: DATA473

DATA425-24S1 (C) **Semester 1**

DATA428 Data Science Project
15 Points 0.1250 EFTS
This course provides students with an opportunity to develop data science skills to extend and strengthen their understanding of an area of data science.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA428-24S1 (C) **Semester 1**
DATA428-24S2 (C) **Semester 2**

DATA429 Data Science Independent Study
15 Points 0.1250 EFTS
This course provides students with an opportunity to develop data science skills in a specific area of data science. The intent of the course is to provide students with an opportunity to work on a data science industry topic with an academic supervisor.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

DATA429-24S1 (C) **Semester 1**
DATA429-24S2 (C) **Semester 2**

DATA472 Special Topic
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School

DATA472-24S1 (C) **Semester 1**

DATA480 Research Project
30 Points 0.2500 EFTS
Project
P: Subject to the approval of the Programme Director
DATA480-24W (C) **Whole Year (S1 and S2)**

DATA601 Applied Data Science Project
45 Points 0.3750 EFTS
This project will give you the skills, and experience to work in a team to solve real world data science problems.
P: Subject to the approval of the Head of School
DATA601-24A (C) **Starts Anytime**
DATA601-24X (C) **11 Nov 2024 - 09 Feb 2025**

DATA689 MMathSci Thesis (Data Science)
90 Points 0.7500 EFTS
This course will give you research experience by completing an independent study on a project in Data Science. You will have an academic supervisor to provide research guidance throughout your project. Your research project will be chosen in discussion with your academic supervisor. We work with you to pair you up with a suitable supervisor. You will develop an initial research proposal and then undertake the research work. You will complete the project by producing a thesis and giving an oral presentation of your work.
P: Approval by the Head of School
DATA689-24A (C) **Starts Anytime**

DATA690 MSc thesis
120 Points 1.0000 EFTS
P: Subject to the approval of the Programme Director
DATA690-24A (C) **Starts Anytime**

DATA790 Data Science PhD
120 Points 1.0000 EFTS
DATA790 Data Science PhD
P: Subject to approval of the Head of Department.
DATA790-24A (C) **Starts Anytime**
DATA790-24A (D) **Starts Anytime**

Digital Humanities

School of Humanities

DIGI101 Working in a Digital World
15 Points 0.1250 EFTS
This course provides students with an understanding of how the digital world is engineered, and exposes them to a range of tools commonly used by knowledge workers. Students will learn to critically evaluate systems from both a technical and human point of view.
R: COSC 110, COSC 101
EQ: COSC101
DIGI101-24S1 (C) **Semester 1**

DIGI102 Big Data, Artificial Intelligence and Ethics
15 Points 0.1250 EFTS
Computing technology has already revolutionized our lives and shows no signs of stopping. Algorithms are everywhere. AI powered by our data are increasingly determining our lives. The implementation of this technology has leapt ahead of our understanding of its ethical, societal, legal, and political significance. From self-driving cars to autonomous weapons, data-brokers to the metaverse, no aspects of our lives will be the same again. In this class, we shall learn about, and bring together in conversation, cutting edge work from both within and outside academic philosophy concerning the challenges posed by the ever-increasing use of computing technology and A.I. Questions raised in the course include: do tech companies violate our right to privacy when they harvest our data? Can automated algorithmic decision-making deliver us a future free of human bias? How could you tell whether a computer has a mind? And is the human brain in fact a computer?
R: PHIL137, POLS137
EQ: PHIL137, POLS137
DIGI102-24S2 (C) **Semester 2**
DIGI102-24S2 (D) **Semester 2**

DIGI103 Statistics 1
15 Points 0.1250 EFTS
An introduction to the ideas, techniques and applications of statistics and probability.
R: STAT101
EQ: STAT101
DIGI103-24S1 (C) **Semester 1**
DIGI103-24S2 (C) **Semester 2**

DIGI125 Music Technologies
15 Points 0.1250 EFTS
Development of knowledge of Digital Audio Workstations (DAWs) and the fundamentals of using computers for digital sampling, mixing and editing. Developing skills in the use of computer-based music notation technologies.
R: MUSI125, MUSA125
EQ: MUSA125
DIGI125-24S1 (C) **Semester 1**

DIGI126 Sound Technologies
15 Points 0.1250 EFTS
This course teaches practical skills in digital sound for musicians, filmmakers, game developers, aspiring "bedroom producers", and anyone interested in working with sound in the digital domain. Students learn how to match sounds with moving images, how to edit and manipulate sound and MIDI files in a Digital Audio Workstation (DAW), and fundamental concepts and terminology that enable them to communicate effectively with music technology experts. Instruction includes lectures and hands-on studio tutorial sessions.
R: MUSA125, MUSA126
EQ: MUSA126
DIGI126-24S1 (C) **Semester 1**

DIGI204 Communicating with Data and Digital Media
15 Points 0.1250 EFTS
This course introduces data communication techniques and topics, and will provide students with a toolkit to analyse and evaluate the use of data and digital platforms in a range of contexts, including data-driven social research and communication. We focus on the preparation and visualisation of tabular and social network data, writing and evaluating web content in relation to data practices, and critical topics such as privacy and the datafication of everyday life.
P: Any 60 points at 100-level.
DIGI204-24S1 (C) **Semester 1**

DIGI205 Introduction to Geographic Information Systems
15 Points 0.1250 EFTS
Geographic Information Systems (GIS) provide the tools for managing, analysing and presenting spatial information in an intuitive and graphical way. This course provides students with an introduction to the fundamental concepts, principles and techniques of GIS. The course examines the use of geographic technology including global positioning systems as well as GIS. It also introduces you to the development of GIS and GPS software skills, including ArcView.
P: Any 30 points at 100 level from the BA, BE (Hons), BSc or Bcom.
R: GEOG205
DIGI205-24S1 (C) **Semester 1**

DIGI207 Social Media
15 Points 0.1250 EFTS
This course contains practical work in the community and groupwork. The course prepares students to do public communication in a rapidly changing media environment. The first half of the course explores how a range of social media platforms work and how professional communicators are attempting to use it. Topics include networks, online community, social media analytics and social media campaigns. In the second half of the course students apply these ideas in small-group projects for a community organisation or company. This course is available only to students enrolled in the Bachelor of Communication.
P: 15 points COMS or 60 points BC Schedule V. Subject to approval by the Head of Department.
R: COMS222, COMS207
EQ: COMS207
DIGI207-24S2 (C) **Semester 2**

DIGI223 Text Analytics
15 Points 0.1250 EFTS
This course introduces computational methods for understanding the vast amount of information and human knowledge that has been stored as language data. This field is also known as computational linguistics or natural language processing.
P: 15 points at any level from any subject.
R: LING223
EQ: LING223
DIGI223-24S1 (C) **Semester 1**
DIGI223-24S1 (D) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

DIGI405 Texts, Discourses and Data: the Humanities and Data Science
15 Points 0.1250 EFTS

This course examines computer-aided methods used in digital humanities and the social sciences for analysing discourses, an object of study that draws together multiple ways that language reflects and shapes social meanings. Within this context, it introduces concepts and methods for analysing natural language data and applies these through a series of practical lab classes. The first part of the course focuses on classic discourse analysis methods drawn from corpus linguistics, as well as the essential preprocessing steps used to prepare texts for a range of analytical purposes. In the second part of the course we study topic modeling, a technique for unsupervised, exploratory data analysis that has been widely used in digital humanities, and, finally, consider supervised text classification methods to identify discursive attributes such as sentiment, genre, or style.

P: Subject to approval of the Programme Coordinator.

DIGI405-24S1 (C) **Semester 1**
DIGI405-24S1 (D) **Semester 1**
DIGI405-24S2 (C) **Semester 2**
DIGI405-24S2 (D) **Semester 2**

DIGI406 Independent Course of Study: Digital Project
30 Points 0.2500 EFTS

P: Subject to approval of the Programme Coordinator.
R: DIGI403

DIGI406-24S1 (C) **Semester 1**
DIGI406-24S2 (C) **Semester 2**

DIGI480 Research Essay
30 Points 0.2500 EFTS

Students taking Digital Humanities Research Essay produce a single 10,000 word essay. The course requires scholarly research, engagement with broader humanities discourse(s), and high bibliographic standards. Focus is on the development of critical and analytical skills that will enable students to move on to Masters and Doctoral studies. Students will be taught how to write about technical subjects in an informed manner, and produce critiques of new media and digital culture. Co-supervision will be organised where appropriate. When available, students will be encouraged to pursue internship and work experience opportunities relevant to their area of study after completion.

P: Subject to approval of the Programme Coordinator.

DIGI480-24S1 (C) **Semester 1**
DIGI480-24S2 (C) **Semester 2**

DIGI650 MA Dissertation
60 Points 0.5000 EFTS

MA Dissertation

P: Subject to approval of the Head of Department.

DIGI650-24A (C) **Starts Anytime**
DIGI650-24S1 (C) **Semester 1**
DIGI650-24S2 (C) **Semester 2**

Digital Screen

Te Kaupeka Toi Tangata | Faculty of Arts

DISC101 Storytelling for the Digital Screen
15 Points 0.1250 EFTS

What is involved in telling a story for the screen? This course is an introduction to key theoretical concepts and practical issues essential to storytelling in the film, game, and interactive media sectors. Topics include concept and story structure (including linear and branching narrative, thematic cohesion, plot and character development, the role of dialogue, and scripting). Practical issues covered include camera movement, framing and angles, lighting, and the use of colour and sound, the role of the audience and the effect of game mechanics in storytelling. A key theme of the course is an introduction to the ethics of storytelling: what stories do we want to tell, who tells them, and how do we ensure stories are told appropriately?

DISC101-24S1 (C) **Semester 1**

DISC102 Principles of Screen Production for Film
15 Points 0.1250 EFTS

This course provides an introduction to film making. It aims to demystify the key concepts, technologies and methodologies used by practitioners in the field and to introduce students to the range of roles, skills and tasks required during preproduction and production. The course begins with 'the big idea' (where do we start and what is involved in getting an idea to the screen?) and ends with 'the big day' (the premiere). Along the way, the course explores the key steps in preproduction, production, postproduction and distribution, including the different roles involved (e.g. producer, director, art director, editor, grip, gaffer, runners), and the ethics and etiquette of being on a film set. Students receive hands on experience of the processes and technologies involved in the film industry and intersecting digital screen sectors.

DISC102-24S2 (C) **Semester 2**

DISC201 Storytelling in action
15 Points 0.1250 EFTS

This course develops students' storytelling skills, with an emphasis on modes (film, animation, game), types (e.g. interactive/non-interactive, branching/linear), genre conventions, art movements, design, character development (e.g. actors and avatars), and, most importantly, voice. Students will also analyze and experiment with alternative narrative models to the dominant entertainment styles of screen storytelling (e.g., expressionism, neorealism, art cinema, Indigenous film practice, independent game development). In the process, students will explore their storytelling voice in relation to world views, addressing the question: how is story telling in games and other interactive media different from the sorts of storytelling typically found in film and television, what do those differences mean, and how to they reveal your world view?

P: DISC101

DISC201-24S1 (C) **Semester 1**

DISC210 Film project 1
30 Points 0.1250 EFTS

This class is a film making workshop focused on conceptualising, designing, shooting, and editing a very short film.

P: DISC102 and DISC211

DISC210-24S2 (C) **Semester 2**

DISC211 Lights, lens, mics
15 Points 0.1250 EFTS

This course introduces students to the basic principles of light and sound as they are employed in film production. Students will acquire the necessary skills and gain practical experience with operating lights, camera and sound equipment through a series of exercises and the production of a short project. They will also learn about the development of the technology of film, ranging from the camera obscura and the invention of synchronous sound to digital cameras, smartphone, gimbals, and GoPros and drones. Topics covered include focus and filters, lens length, lighting set up, moving the camera, types and functions of microphones, sound recording technology and location mixing.

P: DISC102

DISC211-24S1 (C) **Semester 1**

DISC212 Screenwriting: research and story development
15 Points 0.1250 EFTS

Students focus on the work of screening that takes place before the actual drafting of a script, including: initial concept or story idea, research, character exploration, dialogue, scene structure and plot development. Written work includes character profiles, plot outlines, a treatment and initial draft. An important feature of the course is feedback, whereby student's critique and support each other's projects. Finally, students will learn the essential elements of the screenplay format.

P: DISC102

DISC212-24S1 (C) **Semester 1**

DISC213 Editing and postproduction
15 Points 0.1250 EFTS

Editing is a conceptual and creative process as much as it is a technical skill. What happens when two film images are brought together on the editing bench? How are they cut to advance the story, to establish or undermine point of view, to bring different spatial and temporal locations into relation or opposition, to enhance or frustrate the spectators' expectations? This course teaches conceptual and practical aspects of editing. Students acquire hands-on experience of the techniques and aesthetics of film editing and related post-production processes. Additional emphasis is placed on workflow, file management and the latest software tools. Students will study scenes and sequences from exemplary models (Hitchcock, Renoir, Buñuel, etc) and complete a series of exercises and workshops that culminate in the production of their own short project using extant footage.

P: DISC102

DISC213-24S2 (C) **Semester 2**

DISC220 Feature screenwriting project 1
30 Points 0.2500 EFTS

This class is a writing workshop focused on conceptualising, constructing and composing long form, 100 to 120-page, screenplays. In most cases students will turn Act I of the script they wrote in DISC222 into a fully developed feature-length, three-act screenplay.

P: DISC101, DISC222

DISC220-24S2 (C) **Semester 2**

DISC222 Feature Screenwriting: The first act
15 Points 0.1250 EFTS

The primary purpose of this class is to facilitate and develop a fiction screenplay with emphasis on Act I. Structured as a workshop, students develop a flexible model of a feature script that draws upon the widely used "W" approached developed by Sid Field (see below). While the W approach is flexible and applies to many mainstream and independent movie narratives, it is not the only way of structuring a feature film and should not be taken as such. Students will be expected to learn, master and adapt this model to their own ideas, pitching those ideas, and writing Act I of a script to industry-standard format.

P: DISC101

DISC222-24S1 (C) **Semester 1**

DISC223 Creating story worlds
15 Points 0.1250 EFTS
This class focuses on the development of creative intellectual properties for screenwriting and other media to produce deep, coherent and flexible story worlds that can generate successful narratives across platforms.
P: DISC101 and DISC212
DISC223-24S2 (C) **Semester 2**

DISC230 Screen sound project 1
15 Points 0.1250 EFTS
Students will join a creative team and collaborate in the production of a screen sound project, in collaboration with a supervisor. Students may be involved in sound design, editing, location recording, or the final mix, depending on the student's needs, the balanced of skills in the creative team, and the requirements of each specific project.
P: MUSA125 and DISC232
DISC230-24S2 (C) **Semester 2**

DISC231 Sound Capture
15 Points 0.1250 EFTS
Students learn about current practices and methods of audio recording in today's post production industry. Advanced techniques in audio recording in a range of situations are covered, including location recording and production sound mixing, ambient and environmental sound capture, and foley and sound effects recording. Students will gain comprehensive microphone techniques and common approaches stereo and multichannel recording, as well as advanced concepts in 3D and multichannel sound capture.
P: MUSA125
DISC231-24S1 (C) **Semester 1**

DISC232 Sound design and editing
15 Points 0.1250 EFTS
This course introduces students to the wide range of skills and knowledge required to be a successful sound designer and editor. Students learn practical skills in efficient digital audio workstation operation and how to streamline the audio workflow to meet the high turnaround demands of the modern postproduction sound studio, along with advanced skills in digital sound creation and transformation. Students also learn to recognise the social and historical context implied in different sound events, interpret spoken and visual narratives in image sequences, and deploy sound to reflect and enhance these narratives.
P: MUSA125
DISC232-24S1 (C) **Semester 1**

DISC233 Critical listening
15 Points 0.1250 EFTS
This course provides an introduction to the principles and vocabulary of acoustics and psychoacoustics, and how these principles relate to practical situations such as recording and mixing audio. Students will also learn about common tools and methods for sound measurement, approaches to critical listening (spectral balance, dynamics, imaging), and best practices in hearing management.
P: MUSA125
R: MUSA152
DISC233-24S2 (C) **Semester 2**

DISC240 Animation Project I
15 Points 0.1250 EFTS
In this project course, students will produce a creative animation output, with scaffolded support from an academic supervisor. Students will work in groups to develop a script, including characters and scenes, for a short animation. They will use techniques such as story boarding to plan out their animation, using concepts from film such as staging, framing, blocking and posing to decide what visual assets need to be created for their animation. Students will design and create any visual assets, finding and creating reference materials for all the assets in the scene. For animated objects, students will locate and create animated reference materials, and consider how structure, motion, physics and timing will bring these objects to life and give them a sense of personality. Finally, the students will bring together all these aspects into a final short animation. At each stage of the process, students will be required to discuss, critique, reflect, and iterate on their own work and the work of their group mates.
P: DISC241
DISC240-24S2 (C) **Semester 2**

DISC241 Foundations of Animation
15 Points 0.1250 EFTS
In this course, students will learn about the history of animation, from the hand animated short films of the early 20th century, through to modern day 3D computer rendered films with budgets in the hundreds of millions of dollars. Students will explore the nature and themes of animation across cultures, from Japanese Anime to Western Animation. Students will develop their own animation skills and understanding through studying reference material and drawing, exploring topics such as structure, motion, physics and timing, and how the interplay of these various aspects are used to bring to life both animate and inanimate objects as their own characters. Concepts borrowed from film making such as staging, framing, blocking, posing and composition will be explored in both animation as well as static mediums such as graphic novels. At the end of the course, students will produce their own hand animated scene, demonstrating their ability to use their understanding of the principles of animation and the skills they have developed, to realise a visual narrative.
P: PROD142 and DISC102
DISC241-24S1 (C) **Semester 1**

Disaster Risk and Resilience

Te Kura Aronukurangi | School of Earth and Environment

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

DRRE401 Introduction to Disaster Risk and Resilience
15 Points 0.1250 EFTS
The DRRE401 course provides an introduction to disaster risk and resilience situations, theory and practices. It explores drivers of disaster risk and covers national and international frameworks for disaster risk reduction. The course allows students to undertake natural hazard risk assessments and explore resilience strategies for real life communities in high risk environments (via field trips) and utilises a number of guest lectures from leading international thinkers in this field. The course assumes no background, but progresses to advanced topics throughout the course.
P: Subject to approval of the Programme Director
R: HAZM401
DRRE401-24X (C) **19 Feb 2024 - 21 Apr 2024**

DRRE402 Natural Hazard Risk Assessment
15 Points 0.1250 EFTS
The DRRE402 course provides an introduction to natural hazard risk assessment and management theory and practices, with a strong focus on risk communication. The course assumes no background, but progresses to advanced topics throughout the course. The course begins with equipping students with a strong foundation in risk concepts and the risk management process. It then progresses to using risk tools and applications in real world case-studies as part of course assessment. The course includes a number of guest lecturers from industry and local government.
P: Subject to approval of the Programme Director.
R: HAZM410, ENCI601
RP: 100-level statistics
DRRE402-24S1 (C) **Semester 1**

DRRE403 Disaster Risk and Resilience Applications
15 Points 0.1250 EFTS
The DRRE403 course develops students' applied research and practical skills, with a focus on disaster risk and resilience. A strong focus of the course is on developing disaster-related communication skills and confidence, during both crisis and non-crisis situations. Students are introduced to contemporary approaches to decision-making under uncertainty, and disaster ethics, and develop transferrable fundamental skills through writing literature reviews and formal research proposals, and by conducting poster and oral presentations. Practical, applied skills are developed through participation in dynamic disaster simulations (including a mock press conference with the UC Journalism programme), and through writing policy briefs for senior leadership (e.g. government ministers).
P: Programme Director approval.
R: HAZM403
RP: DRRE401
DRRE403-24S2 (C) **Semester 2**

DRRE404 Special Topic
15 Points 0.1250 EFTS
An opportunity for students to explore topic areas in the field of disaster risk and resilience that are not addressed in other courses, under the guidance of Disaster Risk and Resilience teaching staff.
P: Subject to approval of the Programme Director
DRRE404-24S1 (C) **Semester 1**
DRRE404-24S2 (C) **Semester 2**

DRRE408 GIS for Disaster Risk and Resilience
15 Points 0.1250 EFTS
This course provides background concepts for utilising Geographic Information Systems in disaster risk and resilience situations and practice. Although the course assumes no background in GIS, it will progress relatively quickly in Term 4 after students have gained initial familiarity with GIS in Term 3.
P: Subject to approval of the Programme Director
R: HAZM408
DRRE408-24X (C) **19 Feb 2024 - 21 Apr 2024**

DRRE690 Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director
DRRE690-24A (C) **Starts Anytime**

DRRE691 Professional Project in Disaster Risk and Resilience
60 Points 0.5000 EFTS
This four month dissertation course requires that students undertake a focused disaster risk and resilience-related individual research project under the supervision of at least one member of the Disaster Risk and Resilience Group. The course gives students the chance to develop the skills learnt in DRRE 403. It may be informed by an internship (enrolment in GEOG 415).
P: Subject to approval of the Programme Director
R: HAZM 691
DRRE691-24A (C) **Starts Anytime**
DRRE691-24X (C) **04 Nov 2024 - 02 Feb 2025**

DRRE790 Disaster Risk and Resilience PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.
DRRE790-24A (C) **Starts Anytime**
DRRE790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Earthquake Engineering

Te Tari Pūhanga Metarahi, Rawa Taiao | Department of Civil and Natural Resources Engineering

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ENEQ610 Seismic Hazard and Risk Analysis
15 Points 0.1250 EFTS
Fundamental aspects of earthquakes and faulting, terminology for characterisation of earthquake faults, locating earthquakes, and frequency of earthquake occurrence. Strong ground motion recording and analysis, characterisation of strong ground motion in terms of intensity measures and empirical prediction models. Seismic hazard analysis and the development of design ground motions. Selection and modification of as-recorded ground motions for input in seismic response history analyses. Theoretical considerations in wave propagation and seismic site response analysis. Simulation of strong ground motion time series using deterministic and stochastic methods.
P: Subject to approval of the Head of Department or the Programme Director.
R: ENCI617
ENEQ610-24X (C) **30 Sep 2024 - 01 Dec 2024**

ENEQ620 Advanced Geotechnical Earthquake Engineering
15 Points 0.1250 EFTS
Manifestation and evaluation of soil liquefaction, related ground deformation, and lateral spreading. Effects on shallow foundations, analysis and design of piles, effects on buried pipe networks. Advanced liquefaction analysis. Seismic assessment of geotechnical structures within the performance-based framework.
P: Subject to approval of the Head of Department or the Programme Director.
R: ENCI620
ENEQ620-24X (C) **05 Aug 2024 - 06 Oct 2024**

ENEQ621 Special topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENEQ621-24X (C) **03 June 2024 - 07 July 2024**

ENEQ623 Finite Element Analysis
15 Points 0.1250 EFTS
Galerkin formulation of the finite element method; accuracy and characteristics of finite element solutions; isoparametric elements; 1d, 2d, and 3d linear elasticity problems; heat flow problems; dynamic analysis of structures with lumped and distributed mass.
P: Subject to approval of the Head of Department or the Programme Director
ENEQ623-24X (C) **01 Apr 2024 - 09 June 2024**

ENEQ624 Nonlinear Structural Analysis and Dynamics
15 Points 0.1250 EFTS
The objective of this course is for students to develop the necessary theoretical understanding of the principles of nonlinear structural analysis.
P: Subject to approval of the Head of Department or Programme Co-ordinator.
ENEQ624-24X (C) **01 Apr 2024 - 09 June 2024**

ENEQ640 Displacement-based Design of Low Damage Buildings
15 Points 0.1250 EFTS
Alternative design philosophies and solutions for the seismic design of low-damage buildings. Low-damage performance objectives, analysis and design criteria for buildings. Introduction to base-isolation, viscous dampers, PRESSS-Technology and the hybrid (rocking-dissipative) system concept. Introduction to and application of Displacement Based Design (DBD). Simplified modelling and analysis techniques. Consideration of non-structural elements. Connection between floor-diaphragm and lateral resisting systems. Capacity Design: Issues and solutions. Examples of on- site applications worldwide in low-, medium- or high-seismic areas. Constructability aspects, sequence and detailing.
P: Subject to approval of the Head of Department or Programme Director.
R: ENCI615
ENEQ640-24X (C) **19 Feb 2024 - 07 Apr 2024**

ENEQ641 Nonlinear Concrete Mechanics and Modelling Techniques
15 Points 0.1250 EFTS
Constitutive modelling of structural concrete and reinforcing bars, Buckling of reinforcing bars, Bond between concrete and reinforcing bar, Confinement and its effect on the behaviour of RC, Shear in RC, Ductility of nonlinear RC members, Issues related to seismic design of RC structures. Macro-modelling approach, using lumped plasticity techniques. Features and characteristics of different hysteresis rules. Modelling Flexure-shear interaction using strength degradation rules. Use and limitation of fiber element modelling and Finite Element micro-modelling. Applications to case studies: experimental-analytical validation. Modelling of sections, connections and structural subassemblies and systems including: beam-column joints, frames, wall systems, diaphragms, floor-to-lateral resisting system connections, non-structural elements including infills/partitions/facades/ceilings.
P: Subject to approval of the Head of Department or Programme Director
ENEQ641-24X (C) **19 Feb 2024 - 14 Apr 2024**

ENEQ650 Advanced Steel and Composite Structures
15 Points 0.1250 EFTS
Behaviour and design of steel plate shear walls, buckling restrained braces, low-damage systems. Composite steel-concrete structures, stability issues, fatigue, cold-formed structures.
P: ENCI436 or approval of Head of Department or Programme Director
R: ENCI611
ENEQ650-24X (C) **03 June 2024 - 11 Aug 2024**

ENEQ681 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department or Programme Director.
ENEQ681-24X (C) **19 Feb 2024 - 28 Apr 2024**

ENEQ690 Earthquake Engineering ME Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department or Programme Director
ENEQ690-24A (C) **Starts Anytime**

ENEQ790 Earthquake Engineering PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department or Programme Director
ENEQ790-24A (C) **Starts Anytime**
ENEQ790-24A (D) **Starts Anytime**

Ecology

Te Kura Pūtaiao Koiora | School of Biological Sciences

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ECOL480 Project
30 Points 0.2500 EFTS
A written report on a research project approved by the Head of Department. The report must be completed and presented to the Registrar by 1 November in the year in which the student presents the courses selected from BIOL434-493.
P: Subject to approval of the Head of School.
ECOL480-24W (C) **Whole Year (S1 and S2)**

ECOL690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
ECOL690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ECOL790 PhD Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
ECOL790-24A (C) **Starts Anytime**
ECOL790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Economics

Te Tari Ōhanga Tahua | Department of Economics and Finance

ECON104 Introduction to Microeconomics
15 Points 0.1250 EFTS
Scarcity, exchange and trade. Market analysis and policy. Consumer choice theory. Theory of the firm. Imperfect competition. Externalities and public goods.
R: ECON199
ECON104-24S1 (C) **Semester 1**
ECON104-24S2 (C) **Semester 2**

ECON105 Introduction to Macroeconomics
15 Points 0.1250 EFTS
This course introduces students to the macro economy and how it evolved to where it is today. We examine economic variables and how rises and falls in these variables affect people and businesses. We investigate how government policies, decisions by households and firms, and changes in the world economy affect inflation, exchange rates, interest rates, unemployment, growth, poverty and inequality and other economic outcomes we care about.
ECON105-24S1 (C) **Semester 1**
ECON105-24S2 (C) **Semester 2**

ECON206 Intermediate Macroeconomics
15 Points 0.1250 EFTS
ECON 206 provides an understanding of fluctuations of aggregate activity, the growth of a country's standard of living, and how government choices affect these things. We study how people's and firms' decisions about consumption, saving, and investment affect their welfare and wealth, a country's exports and capital flows, and the values of interest and exchange rates. We look at the role of money, inflation, credit, and the financial system in the economy. We use the aggregate demand and supply model to understand why the economy fluctuates and what it means for people's employment and income. Then we see if the government can stop or mitigate the effects of the fluctuations. Finally, we look at how we can improve our standard of living through economic growth.
P: ECON104 and ECON105
ECON206-24S2 (C) **Semester 2**

ECON207 Intermediate Microeconomics - Households and Government
15 Points 0.1250 EFTS
ECON 207 is one of two intermediate microeconomics courses which build on the concepts learned in ECON 104. Concepts will be taught with a graphical and/or simple algebraic approach. Most of the first term is spent using the consumer behaviour model to explain optimal consumer decision making with different types of goods. Consumer decision making under risk and uncertainty is also examined. Term two is spent examining what happens when people and businesses are imperfectly informed about their transactions, or about each other. Externalities and public goods are also investigated.
P: ECON104
ECON207-24S2 (C) **Semester 2**

ECON208 Intermediate Microeconomics - Firms and Markets
15 Points 0.1250 EFTS
ECON208 is one of two intermediate microeconomics courses which build on the concepts learned in ECON104. The initial topic is analysing the decision making of perfectly competitive businesses. Specifically, how production processes and the price of inputs influence the output decisions of businesses. All other topics look at what happens when perfect competition fails to hold. The focus is on people and businesses acting strategically and what happens when businesses exploit market power.
P: ECON104
ECON208-24S1 (C) **Semester 1**

ECON213 Introduction to Econometrics
15 Points 0.1250 EFTS
This course teaches basic skills in econometrics, which is the statistical analysis of economic data. You will learn how to (i) develop a regression model, (ii) estimate it, and (iii) interpret it. General topics that we will cover include OLS regression, prediction, dummy variables, model specification, model selection, robust standard errors, time series forecasting, endogeneity, and qualitative choice models (logit and probit). Two thirds of the course utilizes the statistical software package Eviews and emphasizes application. The remainder teaches the mathematics behind the estimation procedures.
P: (1) ECON104 or ECON105; and (2) 15 points from STAT.
R: ECON214
RP: MATH 101 or Year 13 Math with Calculus.
ECON213-24S1 (C) **Semester 1**

ECON214 Data Analytics for Business Economics
15 Points 0.1250 EFTS
This course teaches basic skills in econometrics, which is the statistical analysis of economic data. You will learn how to (i) develop a regression model, (ii) estimate it, and (iii) interpret it. General topics that we will cover include OLS regression, prediction, dummy variables, model specification, model selection, robust standard errors, time series forecasting, endogeneity, and qualitative choice models (logit and probit). Two thirds of the course utilizes the statistical software package Eviews and emphasizes application. The remainder teaches EXCEL skills.
P: (1) ECON104 or ECON105; and (2) 15 points from STAT
R: ECON 213
ECON214-24S1 (C) **Semester 1**

ECON222 International Trade
15 Points 0.1250 EFTS
Microeconomic analysis of international trade, trade policy, the welfare implications of trade and trade policy. The political economy of trade liberalisation.
P: ECON104
ECON222-24S2 (C) **Semester 2**

ECON223 Introduction to Game Theory for Business, Science and Politics
15 Points 0.1250 EFTS
ECON223 is an introduction to game theory. Game theory itself is the science that studies strategic interaction, the interplay of competition and cooperation between rational, intelligent people. This course is introductory and non-mathematical, emphasizing a small number of key strategic ideas and principles that you will learn through hands-on, interactive playing and analyzing simple stylized examples. The course is multidisciplinary, with examples drawn from social behavior in economics, business, politics, management, history, sociology, psychology, and biology. Completion of first year university in any field is the only prerequisite.
P: Any 60 points
ECON223-23SU2 (C) **Summer (Nov 23)**

ECON225 Environmental Economics
15 Points 0.1250 EFTS
Economic theory and tools will be applied to the study of the environment and policy. In particular this course will examine how economists look for least cost ways of achieving environmental objectives even if those objectives are not set according to cost benefit analysis. This course will examine how market, incentive based regulatory mechanisms affect environmental outcomes and how the economy and the environment interact.
P: ECON104
ECON225-24S1 (C) **Semester 1**

ECON321 Microeconomic Analysis
15 Points 0.1250 EFTS
This course follows on from the Intermediate Microeconomics sequence taught at stage 2. The primary focus is on applying fundamental mathematical tools and techniques for modelling standard microeconomics problems involving consumers, producers and markets. Techniques in both algebra and calculus will be used. The main objective is to show students how a selection of standard microeconomics problems can be modelled in terms of constrained optimisation, solving those problems, and above all, analysing the solutions.
P: (1) ECON207; and (2) MATH102 or MATH199; and (3) 15 points from STAT
RP: ECON 208
ECON321-24S1 (C) **Semester 1**

ECON323 Time Series Methods
15 Points 0.1250 EFTS
Analysis of sequentially collected data including data modelling and forecasting techniques.
P: (1) ECON213; and (2) ECON207; and (3) MATH102
R: FINC323, STAT317
EQ: FINC323, STAT317
ECON323-24S2 (C) **Semester 2**

ECON324 Econometrics
15 Points 0.1250 EFTS
This course teaches advanced skills in practical econometrics. Coverage will include the following topics: OLS, FGLS, robust standard errors, panel data, Stata programming, Monte Carlo experiments, time series, nonstationarity, and error correction models. While the course will present some theory, the emphasis in this class is on doing. A distinctive feature is that we will illustrate key concepts using computer simulations so that students can "see" the practical consequences of the issues they are studying.
P: (1) ECON213 or STAT202; and (2) MATH102 or MATH199
ECON324-24S1 (C) **Semester 1**

ECON325 Advanced Macroeconomics
15 Points 0.1250 EFTS
ECON325 studies the economy as a whole to understand the two main areas of macroeconomics: long-run growth in the standard of living and the general level of prices, and short-run fluctuations in employment and output. The course gives particular attention to the mathematical techniques that economists use to study these areas and the microeconomic foundations that underpin much of macroeconomic analysis.

P: (1) ECON206; and (2) MATH102; and (3) ECON207 or ECON208

ECON325-24S2 (C) **Semester 2**

ECON326 Macro and Monetary Economics
15 Points 0.1250 EFTS
Derivation of the demand for money. Monetary policy under uncertainty. Analysis of alternative monetary rules. Taylor rules. Term structure of interest rates. Financial crises. Economic Growth.

P: (1) ECON206; (2) MATH102 or MATH199.
RP: ECON207

ECON326-24S1 (C) **Semester 1**

ECON329 Industrial Organisation
15 Points 0.1250 EFTS
Imperfectly competitive markets and behaviour of firms. Monopoly models: standard, dominant firm, durable good, natural monopoly, perfectly contestable markets, price discrimination. Oligopoly models: Cournot, Bertrand, product differentiation. Measuring market power, competition policy.

P: ECON 207 or ECON 208
RP: ECON 208

ECON329-24S1 (C) **Semester 1**

ECON331 Financial Economics
15 Points 0.1250 EFTS
The economics of finance with applications to asset valuation, corporate finance, and portfolio management.

P: (1) FINC201; and (2) MATH102 or MATH199;
C: ECON207
R: FINC331
RP: MATH103
EQ: FINC331

ECON331-24S2 (C) **Semester 2**

ECON335 Public Economics
15 Points 0.1250 EFTS
Economic theories for the role of government in a market economy and the role of economics in the formulation and evaluation of public policy.

P: ECON 207
RP: ECON 208

ECON335-24S1 (C) **Semester 1**

ECON338 Health Economics Overview
15 Points 0.1250 EFTS
An application of microeconomic and empirical tools to the study of health and medical care. The topics covered will include market failures arising from asymmetric information, the demand for and production of health, provision of health insurance, and government involvement in the medical care system.

P: ECON 207
RP: ECON 208

ECON338-24S2 (C) **Semester 2**

ECON340 Development Economics
15 Points 0.1250 EFTS
Economics 340 will examine some of the major economic issues faced by individuals and governments in poorer countries, and introduce students to the field of development economics. The course will study the concepts and measurement of development, poverty and growth, and how economists use theory, empirical analysis and experiments to address issues in these areas. Topics surveyed will include poverty and inequality, population growth, urbanization and migration, agriculture and rural development, investments in education and health and the role of women, governance and institutions, credit and insurance, foreign investment and aid, and international trade policy. In the process, students will be exposed to the ongoing debates in development economics.

P: ECON 207 or ECON 208
RP: ECON 208

ECON340-24S2 (C) **Semester 2**

ECON344 International Finance
15 Points 0.1250 EFTS
This course provides an understanding of the fundamental concepts and issues in international finance. It develops a "tool-kit" of common approaches and applies it to many real-world examples in international finance. We cover topics such as the foreign exchange markets and exchange rate systems, balance of payments, international arbitrage and interest rate parity, exchange rate determination and forecasting, measuring and managing exchange rate risk, international debt and equity financing, currency derivatives, interest rate and currency swaps, and financial crises.

P: ECON206 or FINC201 or FINC203
R: ECON 210 and FINC 315 and FINC 344
RP: 15 points in MATH or Year 13 Math with Calculus
EQ: FINC344

ECON344-24S2 (C) **Semester 2**

ECON346 Special Topic: Economic Cost-Benefit Analysis
15 Points 0.1250 EFTS
Economic cost-benefit analysis (CBA) involves the use of microeconomics to formally assess the costs and benefits of different projects or investments. CBA is frequently used as a key input into major policy decisions for government ministries and departments. Understanding the advantages and limitations of CBA, and being able to distinguish well-conducted from poor analyses, is an important skill for a public policy analyst, or for a professional analyst or consultant. This course provides you with the conceptual foundations and practical knowledge you will need to read and understand CBA reports, conduct a CBA, and to be a thoughtful consumer of policy research. An important part of the course is learning different economic methods to calculate and then estimate values of costs and benefits. The course draws on a mixture of economic theory and real-life case studies to examine both the theoretical and practical issues involved in CBA.

P: ECON207

ECON346-24S2 (C) **Semester 2**

ECON390 Internship or Consultancy Project
15 Points 0.1250 EFTS
An internship or consultancy project is an opportunity to experience a professional work environment. Internships or projects taken for credit are usually unpaid. You are expected to develop a good understanding of a sector, market or organisation. The work you submit will show an application of the tools, ideas or concepts of economics. You will be required to reflect critically on the requirements of transitioning from an academic to a work environment and the skills valued in a professional workplace. As these are economics placements, priority is given to economics majors.

P: (1) ECON207 or ECON208; and (2) Subject to the Head of Department approval
R: FINC390, ARTS395, PACE395

ECON390-23SU2 (C) **Summer (Nov 23)**
ECON390-24S1 (C) **Semester 1**
ECON390-24S2 (C) **Semester 2**

Postgraduate

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ECON610 Directed Readings in Economics 1
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department

ECON610-24S1 (C) **Semester 1**
ECON610-24S2 (C) **Semester 2**

ECON613 Directed Readings in Economics II
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department

ECON613-24S1 (C) **Semester 1**
ECON613-24S2 (C) **Semester 2**

ECON614 Time Series and Stochastic Processes
15 Points 0.1250 EFTS
Analysis of sequentially collected data including data modelling and forecasting techniques.

P: Subject to approval of the Head of Department
R: STAT456
EQ: STAT456

ECON614-24S2 (C) **Semester 2**

ECON615 Econometrics II-600
15 Points 0.1250 EFTS
This course teaches advanced skills in practical econometrics. Coverage will include the following topics: OLS, FGLS, robust standard errors, panel data, Stata programming, Monte Carlo experiments, time series, nonstationarity, and error correction models. While the course will present some theory, the emphasis in this class is on doing. A distinctive feature is that we will illustrate key concepts using computer simulations so that students can "see" the practical consequences of the issues they are studying. Students will develop their own Monte Carlo experiments to investigate econometric questions.

P: Subject to approval of the Head of Department.

ECON615-24S1 (C) **Semester 1**

ECON616 Microeconomic Analysis
15 Points 0.1250 EFTS
Application of fundamental mathematical techniques for modelling standard economic problems.
P: Subject to approval of Head of Department
R: ECON 321
EQ: ECON 321
ECON616-24S1 (C) **Semester 1**

ECON617 Macro and Monetary Economics
15 Points 0.1250 EFTS
Monetary economics, financial crises, economic growth.
P: Subject to approval of Head of Department
R: ECON 326
EQ: ECON 326
ECON617-24S1 (C) **Semester 1**

ECON618 Financial Economics
15 Points 0.1250 EFTS
The economics of finance with applications to asset valuation, corporate finance, and portfolio management. ECON 618 students will be expected to apply advanced theories to these concepts.
P: Subject to approval of Head of Department
R: ECON 331
EQ: ECON 331
ECON618-24S2 (C) **Semester 2**

ECON635 Macroeconomics
15 Points 0.1250 EFTS
Real macroeconomics. Using dynamic optimisation to think about how much households spend and save, how much firms invest in durable equipment, and the macro effects of government outlays and how they are financed.
P: Subject to approval of the Head of Department.
R: ECON605
ECON635-24S2 (C) **Semester 2**

ECON641 Monetary Economics: Theory
15 Points 0.1250 EFTS
This course surveys a number of important topics in monetary and financial theory. A few topics such as the implementation of monetary policy in New Zealand and the theory of the banking firm draw heavily on microeconomics. The lectures cover topics ranging from asymmetric information in credit markets to the term structure of interest rates. The topical nature of the course is brought out by a discussion of macroprudential and microprudential regulation, the behavior of banks in a low-interest rate environment, and the changing nature of financing decisions by firms since the Global Financial crisis.
P: Entry to any honours level course is subject to the approval of the Head of Department.
R: FINC641
EQ: FINC641
ECON641-24S2 (C) **Semester 2**

ECON642 Monetary Economics: Policy
15 Points 0.1250 EFTS
The focus of this course is on the conduct of optimal monetary policy in open and closed economies. Various issues in monetary policy under uncertainty are explored. A great deal of attention is devoted to issues pertaining to rules vs. discretion in policy-making. We address topics as diverse as interest rate pegs, nominal income targeting vs. price level/ inflation targeting, collection of seigniorage, central bank independence, and others.
P: Subject to approval of the Head of Department
ECON642-24S1 (C) **Semester 1**

ECON643 Advanced International Finance
15 Points 0.1250 EFTS
This course introduces students to selected relevant topics in international finance. It will familiarise students with the analytical techniques needed to understand different theoretical issues and evaluate the empirical performance of the models. The main topics covered in this course are exchange rate movements, current account determination, foreign exchange intervention and volatility, sovereign debt and crisis, financial development, financial liberalisation and international capital flows, currency crisis, banking system stability and systemic risk, and the role of international institutions like the IMF.
P: Subject to approval of the Head of Department.
R: FINC643
RP: ECON344 or FINC344
EQ: FINC643
ECON643-24S1 (C) **Semester 1**

ECON657 International Trade
15 Points 0.1250 EFTS
This course explains why countries trade goods and services, patterns of trade, and the consequences of trade and of trade interventions. It extends the basic theory of international trade to more complex, interesting and empirically relevant cases. It will provide students with an advanced understanding of the core of modern trade theory, from both positive and normative perspectives.
P: Subject to approval of the Head of Department
ECON657-24S2 (C) **Semester 2**

ECON668 Experimental Economics
15 Points 0.1250 EFTS
This course will provide students with an in-depth treatment of this increasingly popular method for testing and stimulating economic theory. The course aims to equip students in three main areas: to become familiar with experimental methods; learn some major areas of applications; and critically evaluate the potential and limitations of laboratory experimental research.
P: Subject to approval of the Head of Department.
ECON668-24S2 (C) **Semester 2**

ECON679 Internship or Consultancy Project
15 Points 0.1250 EFTS
An internship or consultancy project is an opportunity to experience a professional work environment. You are expected to develop a good understanding of a sector, market or organisation. The work you submit will show an application of the tools, ideas or concepts of economics. You will be required to reflect critically on the requirements of transitioning from an academic to a work environment and the skills valued in a professional workplace. You will also need to provide a critical analysis of the work undertaken.
P: Subject to Head of Department approval
R: FINC679
ECON679-23SU2 (C) **Summer (Nov 23)**
ECON679-24S1 (C) **Semester 1**
ECON679-24S2 (C) **Semester 2**

ECON680 Research Exercise
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department
ECON680-24A (C) **Starts Anytime**
ECON680-24W (C) **Whole Year (S1 and S2)**

ECON690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ECON690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ECON691 MCom Dissertation
60 Points 0.5000 EFTS
P: Subject to approval of the Head of Department. Admission may be subject to meeting a sufficient standard in previous coursework.
R: ECON680
ECON691-24A (C) **Starts Anytime**

ECON692 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
ECON692-24A (C) **Starts Anytime**
ECON692-24S1 (C) **Semester 1**
ECON692-24S2 (C) **Semester 2**

ECON694 MCom Thesis
90 Points 0.7500 EFTS
MCom Thesis
P: Subject to approval of the Head of Department.
ECON694-24A (C) **Starts Anytime**

ECON695 MCom Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ECON695-24A (C) **Starts Anytime**

ECON699 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ECON699-24A (C) **Starts Anytime**

ECON790 Economics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ECON790-24A (C) **Starts Anytime**
ECON790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Education

Te Kura Ārahi Ako | School of Educational Studies and Leadership

Note: Timetable information for courses offered by the College of Education will be available at www.canterbury.ac.nz/courses from 6 October 2009. Information for initial teacher education and sport coaching programmes will be available at www.education.canterbury.ac.nz/coursegroups/.

CHCH101 Strengthening Communities through Social Innovation
15 Points 0.1250 EFTS
CHCH101 offers anyone interested in active citizenship, community engagement, and social innovation with the opportunity to combine academic content with volunteering and critical reflection. Through this innovative design and delivery, this course serves as a cornerstone experience for further study in these topics across a wide range of disciplines.
CHCH101-23SU2 (D) **Summer (Nov 23)**
CHCH101-24S1 (C) **Semester 1**
CHCH101-24S1 (D) **Semester 1**

EDEM607 Contemporary Issues in Literacy Education
30 Points 0.2500 EFTS
This course explores different theoretical perspectives on literacy and how they relate to contemporary practice and research. It examines the theoretical, historical and political aspects of curriculum development in the teaching of literacy. It includes an exploration of current teaching and learning practices and processes relevant to the area. An analysis and critique of the development and use of and approaches to text is integral to the course.
P: Subject to approval of the Head of School
R: EDTL834
EDEM607-24S1 (D) **Semester 1**
EDEM607-24S1 (C) **Semester 1**

EDEM608 Understanding Emotions in Education, Leadership and Health
30 Points 0.2500 EFTS
This course is designed to specifically address current interest in emotions and emotional intelligence in teaching, learning and leadership. Current research findings and interdisciplinary theories of emotion will be explored, discussed, critiqued and applied as relevant to the overall bicultural context of Aotearoa New Zealand, and situated within the individual contexts of the participants. Participants will engage with and adapt a research-informed theory of emotional intelligence that has been applied in international research, in ways that are relevant to their daily lives, and /or support their pedagogical or relevant professional practice. This course will be of interest not only to teachers, educators, and leaders, but also to managers, coaches, human resource professionals, psychologists, parents, students and anyone who is interested in understanding emotions in themselves and others.
P: Subject to approval of the Head of School.
EDEM608-23SU2 (D) **Summer (Nov 23)**

EDEM614 Assessment for Learning
30 Points 0.2500 EFTS
This course seeks to promote the understanding and use of assessment for improving learning. Recognising the diversity of learners and education sectors, topics covered will include discussion of socio-cultural theories of assessment; narrative assessment approaches; national exemplars in special education, early childhood, primary and secondary settings and national assessment tools. There will be an opportunity for class members to pursue an assessment topic of their own interest.
P: Subject to approval of the Head of School
EDEM614-24S2 (D) **Semester 2**

EDEM615 Learning and Teaching Languages
30 Points 0.2500 EFTS
Participants will gain a comprehensive overview of current thinking about instructed language learning and the ability to judiciously plan for, and deliver research-informed language courses for a variety of settings and learners. This course will also include insights into the practical aspects of language teaching, including the teaching of listening, speaking, reading and writing skills.
P: Subject to approval of the Head of School.
R: EDEM681 (note this is between 2014-2015 only)
EDEM615-23SU2 (C) **Summer (Nov 23)**
EDEM615-23SU2 (D) **Summer (Nov 23)**

EDEM617 Enhancing Reading Development in Young Children at Risk
30 Points 0.2500 EFTS
This course will focus on teaching students methods to enhance reading development in young children at risk of literacy difficulty. A major element of the course will examine the provision of effective phonological awareness intervention in individual, small-group and classroom settings. Practical sessions will be used to demonstrate the effective teaching strategies covered in the course content. This course would be suitable for teachers, early childhood educators, literacy specialists and speech-language therapists looking to promote early literacy success for all children.
P: Subject to approval of the Head of School
EDEM617-24S1 (D) **Semester 1**

EDEM618 Dyslexia: Identification and Intervention
30 Points 0.2500 EFTS
The aim of this course is to provide the students with an understanding of dyslexia as it relates to educational practice. Identifying procedures will be covered, which will provide the student with an understanding of the main characteristics associated with dyslexia. This will also cover theories of causes of dyslexia and literacy problems, as well as ways of differentiating dyslexia from other learning difficulties. This background will be used to cover some of the methods that have been used to overcome some of the learning problems related to dyslexia.
P: Subject to approval of the Head of School
EDEM618-24S2 (C) **Semester 2**
EDEM618-24S2 (D) **Semester 2**

EDEM620 Inclusive and Special Education
30 Points 0.2500 EFTS
This course provides students with advanced knowledge and understanding of inclusive and special education history, philosophy, policy and practice. The course will examine the historical development of inclusive and special education at global, regional and local levels. Philosophies and theories underpinning inclusive and special education policies and practices will be investigated. Students will research and critically evaluate aspects pertaining to current and past practices, theories and debates in the field.
P: Subject to approval of the Head of School
EDEM620-24S1 (D) **Semester 1**
EDEM620-24S1 (C) **Semester 1**

EDEM622 Teaching and Learning in Inclusive Settings
30 Points 0.2500 EFTS
This course examines the theoretical and practical aspects of teaching and learning in inclusive settings. Students will examine and critique current teaching and learning theory and practices as they pertain to inclusive and special education. Students will gain knowledge of and skills in a range of inclusive teaching and learning practices and processes within a framework of Universal Design for Learning.
P: Subject to approval of the Head of School
EDEM622-24S2 (D) **Semester 2**
EDEM622-24S2 (C) **Semester 2**

EDEM624 Autism Spectrum Disorders
30 Points 0.2500 EFTS
The aim of this course is to examine Autism Spectrum Disorders (ASD) with a particular emphasis on educational issues and implications. The course includes an exploration of the features and characteristics of ASD and a critical review of principles, practices, issues and research related to successful educational inclusion for children and young people with ASD.
P: Subject to approval of the Head of School
R: EDSN766, EDTL866
EDEM624-24S1 (D) **Semester 1**

EDEM626 Implementing Computational Thinking in the Curriculum
30 Points 0.2500 EFTS
The Technological area of Computational Thinking was introduced to the New Zealand Curriculum and Te Marautanga o Aotearoa for primary and secondary schools and kura in 2018. This course is designed to equip participants to teach relevant Computational Thinking topics to students in schools and kura, from primary school to NCEA. Each of the main topics will be critically examined in terms of pedagogical and subject knowledge while at the same time developing teachers' understanding of theoretical perspectives of Computational Thinking. Participants will develop through investigating theories and practices in Digital Technologies education and industry. A key component is an individual research project to develop, implement and critically evaluate a resource to develop students' computational thinking. The course does not cover teaching of computer programming or learning to program a computer.
P: Subject to approval of the Head of School.
EDEM626-24S2 (D) **Semester 2**

EDEM630 Leading Change in Digital Education
30 Points 0.2500 EFTS
As societies shift towards the age of digitalisation, digital education leadership is becoming a growing concern for students, educators and policy makers. This course is designed to study the role of 'change agents' in digital education, including teachers and trainers as change agents. Students will explore current issues that are affecting the digital world and reflect on their influence on education and training. Through exploring models of leadership and change,

and critical reflection on their own experiences, the course aims to help each student develop as a digital education leader. Students will lead online seminars, conduct field observation and engage in project work to prompt and understand change within their own contexts in an evolving, digitally mediated society.

P: Subject to the approval of Head of School

EDEM630-24S1 (D) **Semester 1**

EDEM631 Foundations of Language Acquisition and Learning

30 Points 0.2500 EFTS

This course extends the professional knowledge-base of educational professionals through the examination of the main theories of first and second language acquisition, examining the linguistic, psychological and social processes that underlie language(s) learning and use.

P: Subject to approval by the Head of School.

EDEM631-24S1 (C) **Semester 1**

EDEM631-24S1 (D) **Semester 1**

EDEM633 Digital pedagogies for enhanced learning

30 Points 0.2500 EFTS

Participants will gain a comprehensive overview of the field of technology-enhanced learning and develop an ability to select, evaluate and create digital tools in a variety of digital education contexts. This course explores the evolution of digital education, and the impact digital technology has on learning practice and theories. Drawing on theories of affordances, students learn about the opportunities and constraints of a wide variety of digital tools, and materials, and how they can be used in a pedagogically appropriate way to enhance learning. Focusing on digital pedagogies the course will enable participants to learn about how best they can use digital tools for teaching and learning in a particular context.

P: Subject to approval of the Head of School

EDEM633-24S2 (D) **Semester 2**

EDEM637 Distributing Leadership Through Coaching and Mentoring

30 Points 0.2500 EFTS

This course explores and applies the theoretical and practical bases of supporting others in developing their professional roles, responsibilities and expertise. It is suitable for those who have coaching and mentoring roles with new and existing members of staff and recognise the need to complement specialist knowledge with professional learning and development strategies.

P: Subject to approval of the Head of School

R: EDTL821

EDEM637-24S1 (D) **Semester 1**

EDEM638 Teachers as Leaders

30 Points 0.2500 EFTS

This course is designed to encourage new and aspiring teacher leaders (within named roles or without) to explore and develop strategies for leading curriculum change. The course will involve critical reflection on teacher leadership models that create and sustain effective curriculum practices. The course will be presented in two sections: Leadership by teachers; and theories and approaches to leadership of change. The research component requires an analysis of a professional learning conversation to establish the current coaching and mentoring skillset.

P: Subject to approval of the Head of School

R: EDTL841

EDEM638-24S2 (D) **Semester 2**

EDEM641 Educational Leadership and the Law in New Zealand

30 Points 0.2500 EFTS

This course examines the intersection between education and the law in New Zealand. It combines legal theory with practical legal challenges that education professionals may encounter. The course assumes no prior legal training, addresses contemporary challenges and covers areas such as statutory interpretation, judicial review, employment law and privacy law, as well as issues relating to school discipline and child protection. There is scope for students to research in an area of education law that is of interest to them.

P: Subject to the approval of the Head of School

EDEM641-24S2 (D) **Semester 2**

EDEM650 Educational Philosophy and Policy

30 Points 0.2500 EFTS

This course will be of interest to anyone who has pondered the nature and purpose of education and considered its significance in building better worlds. With a central theme of 'utopia and education', the course encourages students to address questions such as these: What is education for and why does it really matter? How can education contribute to a more meaningful and worthwhile life? What should we seek to know and why? What social ideals should we seek to uphold, and what are some of the impediments to the pursuit of these ideals? The course will draw on literary works and the visual arts as well as more traditional educational and philosophical sources. Students will have the opportunity to apply insights from the course to policy contexts, and to explore the implications of educational theory for professional practice and everyday life.

P: Subject to the approval of Head of School

R: EDUC414

EDEM650-24S1 (C) **Semester 1**

EDEM650-24S1 (D) **Semester 1**

EDEM651 Re-examining Education Early Years and Beyond

30 Points 0.2500 EFTS

This course introduces students to critiques of education in the early years and beyond. It uses postmodern theories to analyse research, practices and contexts in a range of educational contexts.

P: Subject to approval of the Head of School

EDEM651-24S1 (D) **Semester 1**

EDEM653 Meeting the needs of students with literacy difficulties

30 Points 0.2500 EFTS

This course provides advanced study into the variety of literacy learning difficulties that learners may present with from school entry through to adulthood. It examines the theory and research that informs how these difficulties are understood in the current educational context with a focus on identifying and supporting students with literacy learning difficulties.

P: Subject to approval of the Head of School

EDEM653-24S2 (D) **Semester 2**

EDEM659 Advancing Pasifika Educational Success

30 Points 0.2500 EFTS

This course examines advances in Pasifika Education in Aotearoa/New Zealand. Students will engage with a range of relevant research to critique and analyse Pasifika educational pedagogy, practices and policy formation. The course will include the perspectives of Pasifika learners, parents, teachers, communities and academics.

P: Subject to the approval of the Head of School

EDEM659-24S2 (C) **Semester 2**

EDEM659-24S2 (D) **Semester 2**

EDEM665 Teaching Computational Thinking with Programming

30 Points 0.2500 EFTS

This course aims to equip participants to teach computational thinking, with an emphasis on programming. The Technological area of Computational Thinking for Digital Technologies (CTDT) was introduced into the New Zealand Curriculum and Te Marautanga o Aotearoa for primary and secondary schools and kura in 2018. Students will explore computer programming and various approaches to teaching it, including connecting it with key related areas of computational thinking. They will develop research skills and investigate theories and practices in CTDT. A key component is an individual research project to develop, implement and critically evaluate their teaching of programming and integration of computational thinking across the curriculum. Although this course does not teach students to program, it can extend students' programming skills.

P: Subject to approval of the Head of School.

EDEM665-24S1 (D) **Semester 1**

EDEM668 The Learning Leader

30 Points 0.2500 EFTS

Participants will critically examine leadership theories in the research literature in order to justify their own approaches to leadership practice including the key features of Māori and Pasifika leadership practice. The course includes strategies for identifying learning needs as a leader and how to help others see potential for engaging in leadership work.

P: Subject to approval from the Head of Department.

R: EDEM634, EDEM639

EDEM668-24S1 (D) **Semester 1**

EDEM669 Leading and Managing Decision-Making in Organisations

30 Points 0.2500 EFTS

Participants will engage with current thinking and practice around decision-making in organisations and will develop skill in identifying, critically evaluating and using diverse decision-making models. This course is designed for those who hold, or aspire to, positional leadership. Drawing on theories of organisational psychology, culture and change management, participants will solve an organisational problem, negotiating the dynamics of planned and unplanned change, and change resistance.

P: Subject to approval from the Head of Department.

EDEM669-24S1 (D) **Semester 1**

EDEM670 Leadership as Partnering: Moving Beyond Boundaries

30 Points 0.2500 EFTS

Participants will explore national and global policy agendas on partnership in order to understand the role of leadership in creating and extending practice beyond organisational boundaries. Opportunities and challenges for, and consequences of, collaborative practices will be examined through policy, research and scholarly lenses and applied to participants' work contexts. The dynamic between networking and learning will be foregrounded to support the potential of multi-agency learning communities.

P: Subject to approval from the Head of Department.

EDEM670-24S2 (D) **Semester 2**

EDEM685 Culturally Inclusive Pedagogies: Motivating Diverse Learners
30 Points 0.2500 EFTS

This course provides historical and advanced theoretical understandings of motivation and behaviour and their degree of relevance in diverse ecological settings. The course is premised on the belief that the most important issue underlying a culturally inclusive society is a willingness of people to be more aware, knowledgeable, and accepting of difference. The course is designed for students who wish to engage in promoting analyses and rigorous critique of socio-psychological theories and to apply strategies that emanate from those theories. Issues relating to Māori and Indigenous ways of knowing and practising will be explored.

P: Subject to approval of the Head of School

EDEM685-24S1 (C) **Semester 1**

EDEM690 MEd 90 point Thesis
90 Points 0.7500 EFTS

P: EDME601; or 30 points of approved research methods; or approval of the Head of School
R: EDTL904

EDEM690-24A (C) **Starts Anytime**
EDEM690-24A (D) **Starts Anytime**

Part-time enrolment (0.4875 EFTS) is available on approval.

EDEM691 MEd 120 point Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.
R: EDTL905

EDEM691-24A (C) **Starts Anytime**
EDEM691-24A (D) **Starts Anytime**

EDHP601 Te Tiriti o Waitangi i te Ao Matauranga
30 Points 0.2500 EFTS

This course is taught in te reo Māori. It will enable teachers and educators to gain a sound knowledge of the Treaty of Waitangi, its role in the history of New Zealand and its implications for theory and practice in learning communities today. In the course, students will select a nominated area of study which will enable them to align Māori and bicultural principles to current policies and practices. Students will critically analyse the context of their practice and prepare a strategic plan which meets the needs of Māori and non-Māori in relation to the treaty partnership in their educational settings.

P: Subject to approval of the Programme Coordinator
R: EDEM649

EDHP601-24S2 (C) **Semester 2**
EDHP601-24S2 (D) **Semester 2**

EDHP602 Whakarauora Reo
30 Points 0.2500 EFTS

Students will critically examine the historical repression of the Māori language/Indigenous languages and the growth of language revitalisation movements in the twentieth century. They will review the key educational and Māori development drivers in Māori/iwi led movements: Kōhanga Reo, Kura kaupapa Māori, Wharekua, wananga and bilingual/immersion programmes. They will assess the role that teachers can play in creating and shaping communities of language learners and develop appropriate strategic plans. Note: this course will be taught through the medium of Māori.

P: Subject to approval of the Programme Coordinator
R: EDEM657, TREO405

EDHP602-24S2 (C) **Semester 2**
EDHP602-24S2 (D) **Semester 2**

EDHP603 Mātauranga Māori Hei Marautanga
30 Points 0.2500 EFTS

This course explores, examines and analyses Māori pedagogical epistemologies, tools, approaches and strategies to enable teachers who teach te reo Māori through the medium of Māori across the curriculum to incorporate Māori ways of knowing or Mātauranga Māori into their teaching and learning programmes. It supports teachers to normalise viewing the world from Māori eyes as an underpinning philosophical and theoretical base. As Mason Durie succinctly states, 'to be Māori, to live as Māori and to participate as citizens of the world'. Students are required to use kaupapa Māori approaches and principles to become action researchers in the communities in which they teach.

P: Subject to approval of the Programme Coordinator
R: EDEM658

EDHP603-24S1 (C) **Semester 1**
EDHP603-24S1 (D) **Semester 1**

EDHP604 Tikanga / Rautaki Whakaako Reo
30 Points 0.2500 EFTS

This course explores, develops and critically assesses communicative teaching and learning methodologies and strategies for a range of learners and learning styles in Māori bilingual and immersion settings. Students will explore and critique international models and practices in first and second language teacher and assessment. Students will design effective language programmes and assessment practices appropriate to age group and language experiences of learners, inclusive of Māori values and cultural practices. Students will also activate their new knowledge with a practical experience in a Māori medium setting. Note: this course will be taught through the medium of te reo Māori.

P: Subject to approval of the Programme Coordinator
R: EDEM656

EDHP604-24S1 (C) **Semester 1**
EDHP604-24S1 (D) **Semester 1**

EDME601 Understanding and Using Research in Education
30 Points 0.2500 EFTS

This course is an introduction to frameworks for thinking about, reading about, and carrying out research. Students will develop skills in the critical analysis of a wide range of research literature through developing knowledge of ethics, different methodologies, and different types of data. Students are introduced to research practice from both 'Western' and Indigenous knowledge standpoints. The aims of the course are to bring the student to the point where they have the knowledge to interpret most quantitative and qualitative research papers in their field, as well as the background to undertake supervised research.

P: Subject to approval of the Head of School
R: EDEM693, EDEM694, EDEM697, EDEM698, EHRE601

EDME601-24S1 (C) **Semester 1**
EDME601-24S1 (D) **Semester 1**
EDME601-24S2 (C) **Semester 2**
EDME601-24S2 (D) **Semester 2**

EDME602 Directed Study in Education
30 Points 0.2500 EFTS

Participants in the course are supported as a cohort to conduct and report on a small-scale research study to demonstrate advanced knowledge in their discipline/endorsement area and the ability to undertake research. Examples of small-scale research can include, but aren't limited to: a literature review, document analysis, policy analysis, and secondary data analysis.

P: EDME601 or 30 points of approved research methods
R: EDEM680

EDME602-24S2 (C) **Semester 2**
EDME602-24S2 (D) **Semester 2**

EDMI315 Kaupapa Māori Pedagogies
15 Points 0.1250 EFTS

Kaupapa Māori pedagogies will explore Indigenous ways of being, doing, thinking and transferring knowledge. This course will aid in understanding traditional Māori pedagogies, purakau and histories in order to approriately embed aspects of these traditional methods in our contemporary teaching and learning programmes.

P: Subject to approval of the Head of School

EDMI315-24X (C) **29 Jan 2024 - 14 Apr 2024**

Limited entry. See limitation of entry regulations.

EDMI316 Whakapiki i te reo 2
15 Points 0.1250 EFTS

Whakapiki i te reo 2 aims to increase the level of proficiency of kaiako in te reo Māori and will provide a wide range of conversational, contextual and academic language opportunties. Kaiako will be able to demonstrate an advanced understanding of te reo Māori me nga tikanga-a-iwi applicable to a variety of learning contexts, and informal contacts with whānau and community. The aim of the course is to increase the depth of knowledge and skill in spoken Māori language and also communicative teaching of Māori language. Students will have a greater understanding of Mātauranga Māori and tikanga Māori through the teaching and learning of te reo Māori. Knowledge of dialect and matauranga of the mana whenua will be threaded into this course. This course continues the study of the structure of the language and extends speaking skills and confidence. This will be taught predominantly in te reo Māori.

P: Subject to approval of the Head of School

EDMI316-24X (C) **29 Apr 2024 - 07 July 2024**

Limited entry. See limitation of entry regulations.

EDMI325 Te Reo o te Whenua 2
15 Points 0.1250 EFTS

Te reo o te whenua rua aims to extend on working knowledge of Matauraka Kāi Tahu and a higher level of proficiency in te reo Māori me ona tikanga. Reo whakamihi (words of acknowledgement and gratitude) will be taught to use in both formal and informal settings as well as increasing everyday use of te reo Māori and appropriate enactment of tikanga Māori.

P: Subject to approval of the Head of School.

EDMI325-24T4 (C) **14 Oct 2024 - 08 Dec 2024**

EDMM632 Issues in Language Acquisition and Learning
30 Points 0.2500 EFTS

In this course, students will gain a thorough overview of current research in the field of language acquisition and learning, and develop an ability to analyse and critically evaluate findings and discussions in the literature on language acquisition pedagogy that inform the design and implementation of curricula for migrant students' learning contexts. Students will compare and contrast a range of approaches to teaching additional languages. Students will also investigate, and critically analyse problematic aspects of language acquisition and learning research, and consider their relevance to practices and problems in a particular educational setting.

P: Subject to approval by the Head of School
R: EDEM632

EDMM632-24S2 (C) **Semester 2**
EDMM632-24S2 (D) **Semester 2**

EDUC101 Spark! The Art & Science of Learning
15 Points 0.1250 EFTS

In this course, we address how people learn as well as the social, political, and global contexts in which learning takes place. Together, we walk through the art and science of learning, including contemporary debates and discussions in anthropology, history, philosophy, sociology, and psychology. Through questions, we view learning from diverse perspectives to understand learning in Aotearoa New Zealand and elsewhere around the world. Course assessments are designed in a way that links theories of learning to any academic discipline or subject area while also giving you the opportunity to apply your knowledge in a meaningful, purposeful, and unique way.

EDUC101-23SU2 (D) **Summer (Nov 23)**
EDUC101-24S2 (C) **Semester 2**
EDUC101-24S2 (D) **Semester 2**

EDUC102 Child and Adolescent Development
15 Points 0.1250 EFTS

This course establishes a foundation in theory, concepts, processes and factual knowledge of infant, child, and adolescent development within the context of family, school, and community. Students will acquire an understanding of the developmental processes that take place within and across physical, cognitive, emotional, and social domains, and their associations with developmental outcomes.

R: AKOE171, TEDU110, TEDU102, EDUC121, TEDU150
EQ: TEDU110

EDUC102-24S2 (C) **Semester 2**
EDUC102-24S2 (D) **Semester 2**

EDUC103 Education, Culture and Society
15 Points 0.1250 EFTS

This course provides an introduction to foundational theories, concepts and processes in the study of education. The course explores theories about power, justice and fairness in society, with a particular focus on how they relate to education. It also examines what part factors such as class, genders and sexualities, disability, and race may play in maintaining unequal forms of education. An important feature of the course will be analysing the role played by education in the development of colonial relations between Māori and Pakeha, and how that continues to shape contemporary New Zealand society.

R: EDUC120 and TEDU111
EQ: TEDU111

EDUC103-24S1 (C) **Semester 1**
EDUC103-24S1 (D) **Semester 1**

EDUC202 One in Four: Different Developmental Pathways
15 Points 0.1250 EFTS

One in four children or adolescents will experience a disorder, disability, or trauma affecting their development and educational opportunities. In this course, students will consider the developmental and educational issues relating to children with different developmental pathways, including pathways affected by mental and physical health, trauma, and disability.

P: 30 points in EDUC, HLTH, HSRV, PSYC, SOWK, or YACL, or permission of the Head of School.

EDUC202-24S1 (C) **Semester 1**
EDUC202-24S1 (D) **Semester 1**

EDUC204 Child and Adolescent Wellbeing and Health
15 Points 0.1250 EFTS

This course will explore ways in which well-being, resilience, and positive developmental trajectories may be supported and promoted from infancy through adolescence. Current research and theoretical models will be used to explore a number of critical issues related to health and well-being in a New Zealand context from developmental, educational, positive psychology and social emotional wellbeing perspectives.

P: 30 points in EDUC, HLTH, HSRV, PSYC, SOWK, or YACL, or permission of the Head of School.

EDUC204-24S2 (C) **Semester 2**
EDUC204-24S2 (D) **Semester 2**

EDUC206 Education and Society: Ideals and Realities
15 Points 0.1250 EFTS

This course considers the connections and tensions between ideals and realities in education and society. Drawing on work in the sociology of education, the philosophy of education, and educational policy studies, as well as on educational practices, the course addresses questions such as these: How should society be structured? What do we hope to achieve through education? Why do some students 'fail' and others 'succeed'? What role can education play in social change? This course encourages participants to deepen their understanding of education, social life, and human fulfillment.

P: 30 points in EDUC or YACL, or 45 points of ANTH, CULT, HIST, POLS, SOCI, SPCO, or permission of the Head of School
R: EDUC220

EDUC206-24S2 (D) **Semester 2**
EDUC206-24S2 (C) **Semester 2**

EDUC302 Risks and Opportunities in Adolescence: Research and Applications
30 Points 0.2500 EFTS

This course is designed to provide students with an introduction to theory and research in adolescent development, with a special focus on risks and opportunities that are present in this stage of the life course. Students will be introduced to the core themes and a range of theory and research that is common to a developmental approach to adolescence, with an emphasis on the implications for education and positive development.

P: EDUC202 or EDUC204, or 30 points at 200-level of EDUC, HLED, HLTH, HSRV, PSYC, or YACL, or by permission of the Head of School

EDUC302-24S1 (D) **Semester 1**
EDUC302-24S1 (C) **Semester 1**

EDUC315 Educating for Diversity
30 Points 0.2500 EFTS

This course introduces students to methods of critical enquiry into practices that engage with diversities across a range of formal and informal educational sites.

P: EDUC206 or 30 points at 200-level of EDUC, ANTH, CULT, SOCI, POLS, HIST, or YACL, or by permission of the Head of School.
R: EDUC215 completed before 2000

EDUC315-24S2 (C) **Semester 2**
EDUC315-24S2 (D) **Semester 2**

EDUC339 Globalisation, Social Justice and Education
30 Points 0.2500 EFTS

Recent changes in technology, political arrangements, and social and economic systems have been so rapid and far-reaching that they are said to have ushered in a new era of globalisation. Sometimes presented as inevitable, globalisation has become the focus of considerable contest of ideas, policies and practices. This course examines the origins and nature of globalisation, and analyses its implications for education.

P: EDUC206 or 30 points at 200-level of EDUC, ANTH, CULT, SOCI, POLS, HIST, or YACL, or by permission of the Head of School.

EDUC339-24S1 (C) **Semester 1**
EDUC339-24S1 (D) **Semester 1**

EDUC414 Educational Philosophy and Policy
30 Points 0.2500 EFTS

This course will be of interest to anyone who has pondered the nature and purpose of education and considered its significance in building better worlds. With a central theme of 'utopia and education', the course encourages students to address questions such as these: What is education for and why does it really matter? How can education contribute to a more meaningful and worthwhile life? What should we seek to know and why? What social ideals should we seek to uphold, and what are some of the impediments to the pursuit of these ideals? The course will draw on literary works and the visual arts as well as more traditional educational and philosophical sources. Students will have the opportunity to apply insights from the course to policy contexts, and to explore the implications of educational theory for professional practice and everyday life.

P: Subject to the approval of the Head of School
R: EDEM650

EDUC414-24S1 (C) **Semester 1**

EDUC418 Independent Study
30 Points 0.2500 EFTS

An independent course of postgraduate study on approved topics. An individual study plan is developed. Please discuss with individual lecturers or the HOS.

P: Subject to approval of the Head of School.

EDUC418-24A (C) **Starts Anytime**

EDUC480 Research Project
30 Points 0.2500 EFTS

A individual research project approved by the Head of School. Talk with a lecturer or the HOS to develop an individual plan.

P: Subject to approval of the Head of School.

EDUC480-24W (C) **Whole Year (S1 and S2)**

EDUC690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
EDUC690-24A (C) Starts Anytime
Part-time enrolment (0.65 EFTS) is available on approval.

EDUC790 Education PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
EDUC790-24A (C) Starts Anytime
EDUC790-24A (D) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

EDUC795 Doctor of Education (EdD)
120 Points 1.0000 EFTS
Education EdD
P: Subject to approval of the Head of School
EDUC795-24A (C) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Electrical and Electronic Engineering

Te Tari Pūhanga Hangarau | Department of Electrical and Computer Engineering

ENEL198 Electrical Workshop Course
0 Points 0.0000 EFTS
Compulsory workshop course for Electrical and Electronic Engineering, Computer Engineering and Mechatronic Engineering students.
P: Approval into the BE(Hons)
C: ENEL270
ENEL198-24A (C) Starts Anytime

ENEL199 Basic Workshop Course
0 Points 0.0000 EFTS
Compulsory workshop course for Electrical and Electronic Engineering students and Computer Engineering students
P: Approval into the BE(Hons)
C: ENEL200
ENEL199-24A (C) Starts Anytime

ENEL200 Electrical and Computer Engineering Design
15 Points 0.1250 EFTS
This course will introduce you to fundamental tools and techniques for designing electrical and computer systems, and give you hands-on practice applying those tools and techniques to a variety of different design projects.
P: Subject to the approval of the College of Engineering Dean (Academic)
R: ENEL211
ENEL200-24W (C) Whole Year (S1 and S2)

ENEL220 Circuits and Signals
15 Points 0.1250 EFTS
Circuit laws and theorems. Transients and steady state behaviours of resistive, capacitive and inductive circuits. Laplace transforms. Fourier transforms and series. Linear system behaviour.
P: Subject to the approval of the Dean of Engineering and Forestry
R: ENEL202
ENEL220-24W (C) Whole Year (S1 and S2)

ENEL270 Principles of Electronics and Devices
15 Points 0.1250 EFTS
Linear amplifiers. Operational amplifiers. Operational amplifier circuits. Nonlinear devices: diodes & transistors. Switching circuits. Power supplies, AC to DC conversion.
P: PHYS102, MATH103 or EMTH119; or Approval of the Dean of Engineering and Forestry
R: ENEL203
ENEL270-24S1 (C) Semester 1

ENEL280 Principles of Electrical Systems
15 Points 0.1250 EFTS
Magnetic circuits and materials. Phasor analysis of single and three phase power. Transformers. Principles of electrical generation and distribution systems, synchronous and induction machines. DC machines. Motor control.
P: Subject to the approval of the Dean of Engineering and Forestry
R: ENEL204
ENEL280-24S1 (C) Semester 1

ENEL290 Waves and Materials in Electrical Engineering
15 Points 0.1250 EFTS
Waves in electrical engineering. Static electric and magnetic fields. Transmission lines: equivalent circuit, wave propagation, reflections and matching. Plane waves: time varying fields and Maxwell's Equations. Electrical engineering materials: conductors, insulators and semiconductors.
P: PHYS102, MATH103 or EMTH119; or Approval of the Dean of Engineering and Forestry.
ENEL290-24S2 (C) Semester 2

ENEL300 Electrical and Computer Engineering Design 2
15 Points 0.1250 EFTS
Electrical and Computer Engineering design principles. Electronic system design-and-build. Circuit design and simulation. Printed circuit board design. Embedded system programming/development, construction, and documentation. Novel product design, applying project management and market consideration elements. Individual on-paper design related to student's specialisation. Industry-based design systems. Documentation preparation.
P: ENEL200, ENCE260, ENEL270. Subject to approval of the Head of Department
R: ENEL350
ENEL300-24S2 (C) Semester 2

ENEL301 Fundamentals of Engineering Economics and Management
15 Points 0.1250 EFTS
Technical engineering skills are the foundation of engineering solutions, but they are no use if they are not applied in efficient and effective ways. Successful engineering projects and ventures require management. This course identifies the different management activities involved and develops the skills necessary for managing technology projects. Professional engineers also need to be able to enhance their technical knowledge with essential workplace skills and a wider understanding of current societal issues if they are to be successful in the global workplace. This course aims to improve your understanding of what it means to be a professional engineer. It also aims to give you an introduction to the skills to evaluate technical solutions from ethical, sustainable and economic points of view.
P: 60 points of any second year Professional Engineering course and enrolled in the BE(Hons) degree
R: ENEL350, PROD101
ENEL301-24S2 (C) Semester 2

ENEL320 Signals and Communications
15 Points 0.1250 EFTS
Communication engineering and signal processing. Convolution, correlation, Fourier series and transform, amplitude modulation, angle modulation, analogue filters, random processes, noise in modulated systems, discrete signal processing, digital transmission (PCM, TDM and FDM), DTFT/DFT and FIR/IIR filter design.
P: ENEL220, EMTH210, ENEL321 and EMTH211
R: ENEL332, ENEL351
ENEL320-24S2 (C) Semester 2

ENEL321 Control Systems
15 Points 0.1250 EFTS
System modelling. Continuous-time dynamics. Time domain and frequency domain analysis. Feedback control. Control system performance and robustness. Control system design techniques.
P: ENEL220, EMTH210
R: ENEL351, ENME303
ENEL321-24S1 (C) Semester 1

ENEL372 Power and Analogue Electronics
15 Points 0.1250 EFTS
Analogue electronics is necessary for signal sensing, amplification and filtering before digital techniques can be applied. Power electronics is necessary where efficient manipulation of electrical energy is required, for power supply, motion control and other applications. This course covers the basic principles of both analogue and digital electronic circuits, and the constraints that real components and devices place on these circuits. Emphasis is placed on circuit analysis and design skills.
P: ENEL 270
R: ENEL370 and ENEL371
ENEL372-24S2 (C) Semester 2

ENEL373 Digital Electronics and Devices
15 Points 0.1250 EFTS
This is an in-depth course that takes logic theory and applies it to the analysis, synthesis and simulation of digital logic circuits; and the application and theory of implementing electronics devices. The course also covers the implementation of circuit designs using a hardware description language with specific application to the design of ALUs and simple microprocessors. We also cover the digital assumption made of switching analogue circuits, look at the physical implementation of transistors, circuits based on them and interconnecting components. Assumed knowledge in basic computer architecture and electronics.

P: ENEL270 and ENCE260
R: ENEL391 and ENCE362
ENEL373-24S1 (C) **Semester 1**

ENEL382 Electric Power and Machines
15 Points 0.1250 EFTS
This electric power systems course encompasses the concerns of bulk electrical energy, its generation, the bulk transmission, local area distribution and final consumption (the load) as needed by industry, commerce and households. It is a complex subject, as it involves large scale power system interactions involving power-flow, transient stability and system protection, and depends on a multitude of component level characteristics. Renewable generation has added to this complexity. Students in this course will learn analysis techniques for power systems under both steady-state and transient conditions. Basic principles of protection are covered, as are relevant electrical component level concepts, including generators and transformers. The basics of renewable and other energy sources are also covered.

P: ENEL280
R: ENEL380 and ENEL381
ENEL382-24S1 (C) **Semester 1**

ENEL400 Electrical and Computer Engineering Research Project
30 Points 0.2500 EFTS
This course is the capstone final year honours project. It involves research and design and develops skills in life-time learning.

P: Final Year of Study and ENEL301
R: ENEL427, ENCE427
ENEL400-24W (C) **Whole Year (S1 and S2)**

ENEL420 Advanced Signals
15 Points 0.1250 EFTS
An advanced course on methods for digitally processing signals. Practical methods of designing digital signal filters, especially those with finite impulse response, including implementation on devices with finite precision. Statistical signal processing and estimation. Multidimensional signals and signal processing. The multidimensional Fourier transform and applications. Time-frequency analysis and the wavelet transform.

P: ENEL320 OR ENMT301
R: ENEL440
ENEL420-24S2 (C) **Semester 2**

ENEL422 Communications Engineering
15 Points 0.1250 EFTS
Topics covered: baseband transmission, signal space, digital modulation and reception, equalization, communications systems, error control coding and networking.

P: ENEL320
R: ENEL433
ENEL422-24S1 (C) **Semester 1**

ENEL441 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENEL441-24W (C) **Whole Year (S1 and S2)**

ENEL442 Special Topic in Electrical and Electronic Engineering
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENEL442-24S1 (C) **Semester 1**
ENEL442-24W (C) **Whole Year (S1 and S2)**

ENEL443 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENEL443-23SU2 (C) **Summer (Nov 23)**
ENEL443-24S1 (C) **Semester 1**
ENEL443-24W (C) **Whole Year (S1 and S2)**
ENEL443-24S2 (C) **Semester 2**

ENEL471 Power Electronics 2
15 Points 0.1250 EFTS
Building modern Power Electronic circuits is a complex task. It involves analysis of the electro-mechanical system within which a circuit is embedded, followed by selection of appropriate circuit configurations. Electric circuit, magnetic circuit and control design are all integral to sound system operation. This course covers switching circuits for a range of powers and applications. It covers circuits and thermal management needed to maximise efficiency and reliability, and meet EMC requirements. Three phase system modelling, to enable model-based control of motion control systems, is included. Students will learn how to design a modern power electronic system within the context of a power supply or motion control system. It has a significant group project implementing an electric go-cart control system.

P: ENEL371, ENEL372
R: ENEL436
ENEL471-24S2 (C) **Semester 2**

ENEL480 Electrical Power Systems
15 Points 0.1250 EFTS
This course is designed to build on Electric Power and Machines (ENEL382) by giving a more in-depth treatment of some areas (power-flow, fault analysis and protection) while covering in detail new areas such as reliability assessment and earthing. New developments in electrical power systems are covered. In the process of teaching this course and by using a design assignment as a problem-based learning tool students will learn how a large real power system will perform and how to engineer solutions to identified problems.

P: ENEL382
R: ENEL437
ENEL480-23SU2 (C) **Summer (Nov 23)**

ENEL481 Electrical Machines
15 Points 0.1250 EFTS
This course focuses on two aspects. The first topic is the design of electrical machines from first principles including transformers, rotating machines, and electroheaters. The second topic covers industry-standard high-voltage testing of generators, power transformers and cables.

P: ENEL381, ENEL382
R: ENEL439
ENEL481-24S2 (C) **Semester 2**

ENEL491 Nano Engineered Devices
15 Points 0.1250 EFTS
Micro- and nano-electronic device design and fabrication technology. Physics of electronic materials. Advanced semiconductor devices. Solar cells design and fabrication. Future trends in nano-electronics. Micro- and nano-fluidics and their applications.

P: ENCE362 or ENEL373 or ENEL372
ENEL491-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENEL663 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENEL663-24S1 (C) **Semester 1**
ENEL663-24W (C) **Whole Year (S1 and S2)**
ENEL663-24S2 (C) **Semester 2**

ENEL667 Renewable Electricity System Design
15 Points 0.1250 EFTS
This course is aimed at applying system theory to the practical design of renewable electricity systems. It is primarily focused on technical design. Topics can include (but are not limited to) the design of renewable electricity systems and/or their components: generation, inverters, electricity storage devices, component or system protection and control, integrated off-grid and grid tied systems.

R: ENEL663, ENEL664
ENEL667-24S2 (C) **Semester 2**

ENEL685 Electrical Postgraduate Project
30 Points 0.2500 EFTS
A self-contained electrical or computer engineering project, to be undertaken subject to the availability of suitable supervision and resources.

P: Subject to approval of the Head of Department.
ENEL685-24A (C) **Starts Anytime**
ENEL685-24W (C) **Whole Year (S1 and S2)**
ENEL685-24CY (C) **Cross Year**

ENEL690 Electrical ME Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENEL690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ENEL790 Electrical and Electronic Engineering PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENEL790-24A (C) **Starts Anytime**
ENEL790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Engineering

Te Kaupeka Pūhanga | Faculty of Engineering

ENGR100 Engineering Academic Skills
0 Points 0.0000 EFTS
This course is normally taken at the same time as ENGR101 Foundations of Engineering. Students will be tested to assess their academic writing skills. Students who fail the initial assessment will be given feedback indicating their area(s) of weakness, and will have the opportunity to re-sit the assessment. All students are required to pass this course in order to be accepted into the Professional Engineering degree. First year Engineering students will be provided with academic skills, support and help with adjustment to UC Engineering.
ENGR100-24W (C) **Whole Year (S1 and S2)**
ENGR100-24A (C) **Starts Anytime**

ENGR101 Foundations of Engineering
15 Points 0.1250 EFTS
This skills-based course will introduce students to the "engineering process". Through a series of lectures, exercises and projects, the students will gain experience in specific skills and activities that contribute to the engineering process. Examples include problem solving, technical sketching, team work and report writing. Additionally, the importance of sustainability, ethics, diversity, and biculturalism in an engineering context will be introduced. Students will also gain a better understanding of the different engineering disciplines in regards to a career choice.
ENGR101-24S1 (C) **Semester 1**
ENGR101-24S2 (C) **Semester 2**

ENGR102 Engineering Mechanics
15 Points 0.1250 EFTS
A course for students advancing in Engineering programmes that requires in-depth analysis of components and structures, ENGR102 reinforces concepts of free-body diagrams and the mechanics of real life applications (both statics and dynamics).
P: EMTH118
C: EMTH119, PHYS101
ENGR102-23SU2 (C) **Summer (Nov 23)**
ENGR102-24S2 (C) **Semester 2**
ENGR102-24S2 (D) **Semester 2**

ENHE101 Humanitarian Engineering - An Introduction
15 Points 0.1250 EFTS
Humanitarian Engineering is the application of stakeholder-centred engineering to improving well-being of marginalised people and disadvantaged communities, including participatory design of appropriate technologies. To engage in successful humanitarian practice, engineers employ empathy, compassion, and ability to build trust. This requires core skills and competency in and awareness of cultural and societal differences, effective intercultural communication, and application of engineering theory and practice to humanitarianism. Humanitarian Engineering recognises that vulnerable and Indigenous communities must inform development of systems that serve them, and that access to safe and resilient critical services is a human right in a world of changing climate, increasing urbanisation and exposure to hazards. This course gives an overview of Humanitarian Engineering, instills core relevant skills and competency, help structure their study plan for the Diploma in Global Humanitarian Engineering, and guide them on their journey to Humanitarian Engineering practice. This course is for anyone who wants to widen their perceptions of engineering, grow at a personal level, and position themselves as engineering professionals with clearly articulated humanitarian and ethical principles, and with sound foundations in bicultural and multicultural competence. This course is also for those wanting to see their engineering skills applied to development projects with high social impact.
ENHE101-24S1 (C) **Semester 1**
ENHE101-24S2 (C) **Semester 2**

ENGR200 Engineering Work Experience
0 Points 0.0000 EFTS
This course provides the means for students to accomplish the non-academic requirements for the BE(Hons). The requirements are completion of a health and safety quiz, a risk assessment, first aid competency, and two work report and self-reviews based on 800 hours of engineering work experience.
P: Acceptance into a professional year of the BE(Hons) programme.
RP: Completion of Engineering Intermediate
ENGR200-24A (C) **Starts Anytime**

ENGR210 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department.
ENGR210-24S1 (C) **Semester 1**
ENGR210-24W (C) **Whole Year (S1 and S2)**
ENGR210-24S2 (C) **Semester 2**

ENGR211 Special Topic in Engineering
15 Points 0.1250 EFTS
P: Subject to the approval of the Dean of Engineering
ENGR211-24S1 (C) **Semester 1**
ENGR211-24W (C) **Whole Year (S1 and S2)**
ENGR211-24S2 (C) **Semester 2**

ENGR212 Special Topic in Engineering
15 Points 0.1250 EFTS
P: Subject to the approval of the Dean of Engineering
ENGR212-24S1 (C) **Semester 1**
ENGR212-24W (C) **Whole Year (S1 and S2)**
ENGR212-24S2 (C) **Semester 2**

ENGR301 Special Topic in Engineering
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENGR301-24S1 (C) **Semester 1**
ENGR301-24W (C) **Whole Year (S1 and S2)**
ENGR301-24S2 (C) **Semester 2**

ENGR303 Special Topic in Engineering
15 Points 0.1250 EFTS
P: Subject to the approval of the Director of Studies
ENGR303-24S1 (C) **Semester 1**
ENGR303-24W (C) **Whole Year (S1 and S2)**
ENGR303-24S2 (C) **Semester 2**

ENGR304 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Director of Studies
ENGR304-24S1 (C) **Semester 1**
ENGR304-24W (C) **Whole Year (S1 and S2)**
ENGR304-24S2 (C) **Semester 2**

ENGR310 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department.
ENGR310-24S1 (C) **Semester 1**
ENGR310-24W (C) **Whole Year (S1 and S2)**
ENGR310-24S2 (C) **Semester 2**

ENGR316 Humanitarian Engineering Professional Report
30 Points 0.2500 EFTS
An independent programme of study, research, or investigation on issues related to professional practice in humanitarian engineering, on a topic approved by the director of studies. Range- Examples of topics that can be considered include: literature review, case study, survey, commissioned report, environmental impact assessment.
P: At least 30 points selected from the courses listed in schedules C and D of the Diploma of Global Humanitarian Engineering.
RP: 3 completed years of the BE(HONS) degree
EQ: ENGR315
ENGR316-24S2 (C) **Semester 2**

ENGR401 Computational Fluid Dynamics
15 Points 0.1250 EFTS
Theoretical and practical aspects of Computational Fluid Dynamics, including the theory of fluid flow equations, numerical methods of solving these equations, turbulence, and experience with a commercial CFD software.

P: ENME304 or ENME314, or ENCH393, or ENCN342 and EMTH210 ENME201 ENME202 ENME215 EMTH271 ENME203 ENME207 ENME221

ENGR401-24S1 (C) **Semester 1**

ENGR402 Special Topic: Rocket Systems Design and Control
15 Points 0.1250 EFTS
The main aim of this course is to learn the processes required to design, build, launch and control a subsonic, solid fuel powered rocket. The methodologies developed will also have application to sub-orbital and orbital rockets including liquid fuel propulsion. The control part will focus on canard actuation and will utilize an existing vertical wind tunnel platform on campus for testing the control methodologies before flight. Students will work in pairs in their fields of expertise to contribute to the main group goal of a launch ready rocket. The individual tasks assigned for each pair of students will include rocket airframe design, propulsion, actuation hardware/software, aerodynamics, launch safety protocols, sensors/instrumentation including hardware-in-the loop, telemetry, control algorithms, trajectory simulation and parachute recovery. Students will decide what areas they'd like to work on, but everyone will gain a general knowledge of rocketry through the labs, tutorials, lectures and assignment.

P: Subject to approval of the Head of Department

ENGR402-24S2 (C) **Semester 2**

ENGR403 Fire Engineering
15 Points 0.1250 EFTS
Introduction to Fire Engineering. Fire ignition, flame spread and flame height. The performance of construction materials and fire resistance. People movement and behaviour during fires. Fire detection, suppression and smoke extract systems. Wildland fires, fire investigation, fire-fighting.

P: Subject to approval of the Director of Studies

ENGR403-24SU1 (C) **Summer (Jan 24)**
ENGR403-24S1 (C) **Semester 1**

ENGR404 Emerging Energy Technologies and Management
15 Points 0.1250 EFTS
This course explores various emerging technologies related to the needs for renewable energy demand, supply and processing. It includes topics such as wind, solar, geothermal and biomass energy resources and processing technologies. Energy demands and greenhouse gas (GHG) emissions in New Zealand as well as energy storage technologies will also be discussed. This course will also discuss the applications of catalysis in the production of energy carriers, starting at a basic level, and includes sections on adsorption and surface science, catalytic kinetics, evaluation on the modern catalytic processes in oil/gas refinery and studying key characteristics of emerging nanomaterials that enable them to become an effective catalyst in energy applications.

P: ENCH291 or subject to approval of the Director of Studies.
R: ENME405, ENME605

ENGR404-24S2 (C) **Semester 2**

ENGR407 Bioprocess Engineering 1
15 Points 0.1250 EFTS
Engineering biochemistry covering enzyme kinetics, metabolism and applied molecular biology.

P: ENCH281 or subject to approval of the Director of Studies

ENGR407-24S2 (C) **Semester 2**

ENGR410 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department.

ENGR410-24S1 (C) **Semester 1**
ENGR410-24W (C) **Whole Year (S1 and S2)**
ENGR410-24S2 (C) **Semester 2**

ENGR476 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department

ENGR476-24S1 (C) **Semester 1**
ENGR476-24W (C) **Whole Year (S1 and S2)**
ENGR476-24S2 (C) **Semester 2**

ENGR477 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department.

ENGR477-24S1 (C) **Semester 1**
ENGR477-24W (C) **Whole Year (S1 and S2)**
ENGR477-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENCN623 Energy Systems Modelling and Analysis
15 Points 0.1250 EFTS
System analysis for planning renewable energy systems; advanced energy system modelling; application of selected software.

P: ENCN423 or ENME405 or subject to approval of the Head of Department

ENCN623-24S2 (C) **Semester 2**

ENCN625 Wind Resource Modelling
15 Points 0.1250 EFTS
Analytical and numerical modelling experience for wind resource assessment; application of numerical weather prediction models for wind energy; understanding the role of complex terrain and weather systems in wind energy variability; Develop theoretical and practical knowledge for wind resource spatial modelling.

P: ENCN423 or ENME405 or subject to approval of the Head of Department

ENCN625-24S2 (C) **Semester 2**

ENEQ682 Ground Improvement Techniques
15 Points 0.1250 EFTS
Ground improvement techniques review and design; Field soil testing and investigation review and interpretation; seismic hazards assessment and remediation; reclaimed land techniques; use of granular waste material for soil remediation

P: ENCN253 and ENCN353 or equivalent

ENEQ682-24A (C) **Starts Anytime**

ENGR601 Advanced Computational Fluid Dynamics
15 Points 0.1250 EFTS
Theoretical and practical aspects of Computational Fluid Dynamics, including the theory of fluid flow equations, numerical methods of solving these equations, turbulence, and experience with a commercial CFD software.

P: Subject to approval of the Head of Department
R: ENGR401
RP: Bachelors degree in Engineering or equivalent

ENGR601-24S1 (C) **Semester 1**

ENGR621 Energy, Policy and Society
15 Points 0.1250 EFTS
Understanding the roles of different disciplines in the subject of energy engineering, including economics, psychology, sociology, as well as environmental and policy aspects. Focus on the energy transition, including the decoupling of economic growth from energy consumption, energy poverty, energy services, and policies

P: Subject to the approval of the Head of Department.

ENGR621-24S1 (C) **Semester 1**

ENGR675 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.

ENGR675-24S1 (C) **Semester 1**
ENGR675-24W (C) **Whole Year (S1 and S2)**
ENGR675-24S2 (C) **Semester 2**

ENGR682 Special Topic in Engineering - Project
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of Department.

ENGR682-24S1 (C) **Semester 1**
ENGR682-24W (C) **Whole Year (S1 and S2)**
ENGR682-24S2 (C) **Semester 2**

ENGR683 Special Topic in Engineering - Project
30 Points 0.2500 EFTS
Students will gain experience in performing research in an engineering field.

P: Subject to the approval of the Dean of Engineering

ENGR683-24A (C) **Starts Anytime**
ENGR683-24S1 (C) **Semester 1**
ENGR683-24W (C) **Whole Year (S1 and S2)**
ENGR683-24S2 (C) **Semester 2**

Engineering Geology

Te Kura Aronukurangi | School of Earth and Environment

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENGE413 Soil Mechanics and Soil Engineering
15 Points 0.1250 EFTS

Formation, properties, description and representation of soils. Stress and strain in soils. Deformation and failure of soils. Engineered soil slope stability and foundation analysis. Underground excavation and ground treatment in soil.

P: (1) MATH 101 or MATH 102 or MATH 103 and (2) approval from the Head of Department of Geological Sciences

R: ENCN 253; ENGE 485

ENGE413-24S2 (C) **Semester 2**

ENGE414 Applied Hydrogeology
15 Points 0.1250 EFTS

The Applied Hydrogeology course provides postgraduate students in engineering geology and environmental science with a sound understanding of the nature and occurrence of groundwater, various techniques for resource evaluation, contaminant transport issues, and a brief introduction to groundwater modelling. The course is an integrated one, developing both geological aspects of groundwater occurrence and chemistry, as well as pragmatic methods for quantifying flow parameters and aquifer characteristics.

P: (1) MATH 101 or MATH 102 or MATH 103 and (2) approval from the Head of Department of Geological Sciences

R: ENGE 478

ENGE414-24S1 (C) **Semester 1**

ENGE481 Special Topic
15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

ENGE481-24S1 (C) **Semester 1**

ENGE482 Special Topic
15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

ENGE482-24S2 (C) **Semester 2**

ENGE690 MSc Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

ENGE690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

ENGE790 Engineering Geology PhD
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

ENGE790-24A (C) **Starts Anytime**

ENGE790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Engineering Management

Te Kaupeka Pūhanga | Faculty of Engineering

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

EMGT601 Engineering Management Professional Skills
15 Points 0.1250 EFTS

This course will further-develop professional skills required for success during and after engineering study, including personal effectiveness, collaboration, networking and communication skills. In addition, the course will focus on topical issues facing engineering managers in New Zealand. This course will be delivered in a series of workshops spanning multiple teaching periods. Through a series of workshops, this course targets best practices in self-assessment, time management, communication, stakeholder engagement and collaboration skills. In addition, this course will be a platform for the development of professional networks, through the incorporation of a mentoring and sponsorship programme, and by students participating in professional networking activities.

P: Subject to the approval of the Programme Director

EMGT601-24X (C) **19 Feb 2024 - 20 Oct 2024**

EMGT602 Engineering Knowledge Management
15 Points 0.1250 EFTS

Engineers act as knowledge brokers, bringing together people and knowledge to enable technological advancement. In order to become expert knowledge brokers, engineers need to be able to appreciate different approaches to addressing a problem, as well as critically evaluating and synthesising information. In addition, engineers are expected to be able to create, manage and interpret knowledge. This course addresses these needs by further developing independent research skills. This course will commence by introducing different research paradigms and methods, including different knowledge and cultural frames. The course will then further develop on approaches to critically evaluate information, in order to make an informed and limited judgement. The course will then focus on qualitative and quantitative research methods, including survey design and the analysis of large data samples. The course will conclude on approaches to communicate data to different audiences.

P: Subject to the approval of the Programme Director

R: DATA401, DATA422 , DATA423 , STAT448 , STAT456 , STAT462 , STAT463

EMGT602-24T1 (C) **19 Feb 2024 - 02 June 2024**

EMGT603 Engineering Project Design and Management
15 Points 0.1250 EFTS

Project management is a core engineering task, and is a systematic approach to planning, organising, monitoring and controlling resources to achieve goals and objectives. This course focuses on the skills needed to plan, initiate, manage delivery and review a complex technical project. This includes identifying project requirements through stakeholder engagement, scope development, resource scheduling and costing, accounting for project quality, developing project risk management plans, coordinating work, and utilising monitoring and evaluation techniques. During this course, students will work as individuals within a consulting environment to find and develop an industry project suitable for EMGT 680.

P: Subject to the approval of the Programme Director

EMGT603-24X (C) **19 Feb 2024 - 20 Oct 2024**

EMGT604 Management in Technical Organisations
15 Points 0.1250 EFTS

This course focuses on the development of enabling skills needed for managers in a technical organisation. Topics include corporate structures and processes, human resource management, strategic planning and implementation processes, monitoring and evaluation techniques, ethics, quality management, discounted cash flow techniques, financing, occupational health and safety and risk management.

P: Subject to the approval of the Programme Director

EMGT604-24X (C) **22 Apr 2024 - 02 June 2024**

EMGT605 Sustainability Systems in Engineering
15 Points 0.1250 EFTS

Engineers have a critical role in contributing to positive economic, environmental and social outcomes. The ability to achieve positive sustainable outcomes are grounded in the ability to integrate systems and anticipatory thinking with other engineering management skills of recognising different values and perspectives and beliefs, evidence-based strategy, and collaboration. This course focuses on developing systems and anticipatory thinking, with a focus on understanding the interactions between human, cultural, environmental, economic and technical systems. The development of these skills will then be leveraged to understand the applicability and limitations of different sustainability tools and frameworks for engineering activities. The course will focus on local, regional and global sustainability challenges, and will incorporate the importance of integrating tikanga Māori in engineering activities.

P: Subject to the approval of the Programme Director

EMGT605-24X (D) **19 Feb 2024 - 20 Oct 2024**

EMGT606 Technology Development, Application and Transfer
15 Points 0.1250 EFTS

This course is designed to provide graduates with the skills to manage the development of, or utilise new or emerging technology in a business context. Students will work in teams and individually to critically evaluate the benefits and opportunities, as well as the limitations and risks associated with different technologies. This will lead to the identification of pathways to implement and/or further develop different technologies, accounting for organisational strategy, production, marketing, market position, research and development, human resources, and intellectual property considerations.

P: Subject to the approval of the Programme Director

EMGT606-24X (C) **15 July 2024 - 20 Oct 2024**

EMGT607 Special Topic in Engineering Management 1
15 Points 0.1250 EFTS

Special topic in engineering management

P: Subject to the approval of the Programme Director

EMGT607-24S2 (D) **Semester 2**

EMGT608 Special Topic in Engineering Management 2
15 Points 0.1250 EFTS

Special topic in engineering management

P: Subject to the approval of the Programme Director

EMGT608-24W (C) **Whole Year (S1 and S2)**

EMGT609 Special Topic in Engineering Management 3
15 Points 0.1250 EFTS
Special topic in engineering management
P: Subject to the approval of the Programme Director
EMGT609-24W (C) **Whole Year (S1 and S2)**

EMGT680 Engineering Management Project
45 Points 0.3750 EFTS
In this course, students complete a project to demonstrate mastery in engineering management. Projects may relate to optimisation, data analytics, knowledge management, project management, technology evaluation and implementation, business operations in an engineering context, or sustainability evaluations. Students will have the opportunity to complete an industry focussed engineering management project through two options. The first option is to deliver an external industry project developed in EMGT 603. Approval of this first option will be subject to criteria, which includes performance in EMGT 603. In this first option, students can choose to develop a project based on their own interests. The second option is to complete an internal project with other students, in collaboration with an industry partner. In the second option, you may be partnered with students from other Masters degrees, to offer a cross-disciplinary approach for the industry partner. This second option is for students who wish to complete the project with other students or for students who do not meet the criteria for an individual industry project. Students will complete their project in a workplace and/or on campus.
P: MBAZ 601, MBAZ 605, EMGT 601, EMGT 602 , EMGT 603, EMGT 604, EMGT 605 Subject to the approval of the Programme Director
EMGT680-23SU2 (C) **Summer (Nov 23)**
EMGT680-24A (C) **Starts Anytime**
EMGT680-24X (C) **09 Sep 2024 - 02 Feb 2025**

ENMG790 Engineering Management PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.
ENMG790-24A (C) **Starts Anytime**
ENMG790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Engineering Mathematics

Te Kura Pāngarau | School of Mathematics and Statistics

EMTH118 Engineering Mathematics 1A
15 Points 0.1250 EFTS
A first course in the methods and applications of engineering mathematics. Topics include calculus, linear algebra, and modelling techniques. This Course is designed for engineering students who have done well in NCEA Mathematics with calculus.
P: 1) TRNS017 or MATH101 , or 2) NCEA 14 Credits (18 strongly recommended) at level 3 Mathematics (including the standards 'Apply differentiation methods in solving problems (91578)' and 'Apply integration methods in solving problems (91579)'), or 3) Cambridge: D at A level or an A at AS level in Mathematics, or 4) IB: 4 at HL or 5 at SL in Mathematics, or 5) approval of the Head of School based on alternative prior learning.
R: MATH102, MATH108, MATH199
EMTH118-24S1 (C) **Semester 1**
EMTH118-24S2 (C) **Semester 2**

EMTH119 Engineering Mathematics 1B
15 Points 0.1250 EFTS
A continuation of EMTH118. Topics covered include methods and Engineering applications of calculus, differential equations, and linear algebra, along with an introduction to probability. This course is a prerequisite for many courses in engineering mathematics and other subjects at 200 level.
P: EMTH118, COSC131
R: MATH103, MATH109, MATH199
EMTH119-23SU2 (C) **Summer (Nov 23)**
EMTH119-24S2 (C) **Semester 2**

EMTH210 Engineering Mathematics 2
15 Points 0.1250 EFTS
This course covers material in multivariable integral and differential calculus, linear algebra and statistics which is applicable to the engineering professions.
P: Subject to approval of the Dean of Engineering and Forestry
R: EMTH202, EMTH204, MATH201, MATH261, MATH262, MATH264
EMTH210-24S1 (C) **Semester 1**

EMTH211 Engineering Linear Algebra and Statistics
15 Points 0.1250 EFTS
A linear/matrix algebra course using Python, with engineering applications and a component of statistics for engineers.
P: Subject to approval of the Dean of Engineering and Forestry.
R: EMTH203, EMTH204, MATH203, MATH254, MATH252, MATH251
RP: EMTH210
EMTH211-24S2 (C) **Semester 2**

EMTH271 Mathematical Modelling and Computation 2
15 Points 0.1250 EFTS
Use of the language Python for numerical methods, including solutions of systems of linear equations, solution of ordinary differential equations and systems of differential equations, boundary value problems, approximation techniques, area integration, statistics, random number generation, and Monte Carlo integration. Modelling projects and engineering applications.
P: (1) Both COSC131 and EMTH119, or one of EMTH171, MATH170, or MATH171; (2) Subject to the approval of the Dean of Engineering and Forestry.
R: MATH270, MATH271
EMTH271-24S2 (C) **Semester 2**

EMTH410 Special Topic in Engineering Mathematics
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.
EMTH410-24S1 (C) **Semester 1**

EMTH411 Special Topic in Engineering Mathematics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
EMTH411-24S2 (C) **Semester 2**

EMTH413 Special Topic in Engineering Mathematics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
EMTH413-24S1 (C) **Semester 1**

EMTH414 Special Topic in Engineering Mathematics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
EMTH414-24S1 (C) **Semester 1**

EMTH415 Special Topic in Engineering Mathematics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
R: MATH363
EMTH415-24S2 (C) **Semester 2**

Postgraduate

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EMTH600 Dynamical Systems
15 Points 0.1250 EFTS
This course studies the fundamental concepts used in dynamical systems - the main tool for modelling the evolution of systems in discrete and continuous time.
P: Subject to approval of the Head of School.
EMTH600-24S2 (C) **Semester 2**

EMTH604 Optimisation
15 Points 0.1250 EFTS
Techniques for optimising smooth functions both with and without constraints present.
P: Subject to approval of the Head of School.
R: MATH412
EMTH604-24S1 (C) **Semester 1**

EMTH609 Special Topic in Engineering Mathematics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
EMTH609-24S1 (C) **Semester 1**

EMTH610 Special Topic in Engineering Mathematics
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.
EMTH610-24S2 (C) **Semester 2**

EMTH675 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
EMTH675-24S1 (C) **Semester 1**
EMTH675-24S2 (C) **Semester 2**

English

School of Humanities

ENGL102 Great Works
15 Points 0.1250 EFTS
This course introduces students to university-level English by exploring in depth a sequence of works that have earned the label 'great' for some or all of the following reasons: because of their enduring, wide and deep cultural influence; because of the originality of their creative conception; because of the power of their language; because of the power and appeal of the stories they tell or the characters or images they contain.
ENGL102-24S1 (C) **Semester 1**

ENGL107 Shakespeare
15 Points 0.1250 EFTS
This course is designed to introduce first year students to a range of Shakespeare's plays as well as to develop their understanding of the different ways in which his plays have been received in recent literary criticism.
ENGL107-24S2 (C) **Semester 2**

ENGL110 Māori Storytelling
15 Points 0.1250 EFTS
This course introduces students to a wide range of Māori writing in English and situates these works within a vast and vibrant whakapapa of Māori creative production in Aotearoa and beyond. Key themes within the course include: purakau and their contemporary retellings, Māori futurism(s), representations of kai and palate politics, the relationship between birds, writers, and the written word, and narrative sovereignty.
EQ: MAOR130, TITO101
ENGL110-24S2 (C) **Semester 2**
ENGL110-24S2 (D) **Semester 2**

ENGL117 Writing for Academic Success
15 Points 0.1250 EFTS
Writing for Academic Success fosters the capacity for analytical thought about texts and language. The course also provides training in the writing of clear and effective prose, inculcates awareness of crucial structural and rhetorical features of expository writing, and encourages the application of that awareness to writing in a range of academic and professional contexts.
R: WRIT101
ENGL117-24S1 (C) **Semester 1**
ENGL117-24S1 (D) **Semester 1**
ENGL117-24S2 (C) **Semester 2**
ENGL117-24S2 (D) **Semester 2**

ENGL118 Creative Writing: Skills, Techniques and Practice
15 Points 0.1250 EFTS
This course provides a grounding in the skills, techniques and tricks a writer needs to transform ideas and material into art. Guided exercises will develop students' creative practice of observation, play and experiment; the study of selected poetry, short prose and dramatic texts will introduce diverse forms and approaches. Students will also develop a feedback and revision practice at the weekly workshops; closely and sensitively engage with both published and peer texts.
ENGL118-24S1 (C) **Semester 1**

ENGL201 The Essay and Beyond: Creative Non-Fiction
15 Points 0.1250 EFTS
Non-fiction writing has a strong place within the traditions of literature, but has often tended to be neglected as a subject of study. To redress this, we will look at different genres of non-fiction: essays, popular science, travel writing, nature writing, and various types of "life writing". We will question the particular techniques and generic distinctions of texts studied, consider the specific subjects of non-fiction texts, examine how the texts are constructed and discuss their significance in the contexts most relevant to them. In addition, the course will explore the representation of place, displacement and placement; the history of subjectivity; recent interventions into postcolonial, globalisation and literary studies, and ecocriticism and human-animal studies; and the operation of gender and class as they apply to the production and readership of literary non-fiction.
P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.
ENGL201-24S1 (C) **Semester 1**

ENGL211 Exceptional Americans: An Introduction to American Literature
15 Points 0.1250 EFTS
This course offers students the chance to engage with some of the most exceptional writers and texts in the American tradition and, at the same time, to think critically about the idea of exceptionalism itself.
P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: ENGL109 and AMST110
ENGL211-24S2 (C) **Semester 2**

ENGL213 Children's Classics: Popular Children's Texts and their Representation on Film
15 Points 0.1250 EFTS
Children's Classics teaches the genre-specific nature of children's literature, its socio-historical contexts, and the significance of its re-readings as film. It introduces a selection of enduring children's texts, illustrating the importance to literary production of changing cultural context, demonstrating the importance of intertextuality in children's literature and how texts change when filmed, and promotes the skills of reading and writing.
P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: CINE224
EQ: CINE224
ENGL213-24S2 (C) **Semester 2**

ENGL220 Creative Writing: Storymaking and the Short Story
15 Points 0.1250 EFTS
This course explores short-form prose storytelling with a focus on the short story. Students will be introduced to a wide range of short story forms and structures, and writing exercises will guide students towards expanding their writing practice and examining their own developing voice and style. This is a workshop process course where discussion, critical attentiveness, supportive insight and diverse ways of thinking will contribute to considered craft and creative exchange.
P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.
ENGL220-24S2 (C) **Semester 2**

ENGL232 Cultural Politics/Cultural Activism
15 Points 0.1250 EFTS
This course offers students a grounding in Cultural Studies theories and methods. It examines the political dynamics and historical foundations of contemporary culture, and the strategic roles that it can play as a force for change. Drawing from a wide variety of examples, it focuses on how culture - as a process, as a practice, and as the production of meaning - functions as a battleground in the assignment of and struggle for social power.
P: Any 15 points at 100 level from CULT or ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: CULT202
EQ: CULT202
ENGL232-24S1 (C) **Semester 1**

ENGL243 Animals on Screen
15 Points 0.1250 EFTS
This course explores cinematic representations of insects, mammals, fish, birds and reptiles, with an emphasis on their special place in horror and science fiction genres. Students will also be introduced to Human-Animal Studies as a field of scholarship.
P: Any 15 points at 100 level from CULT or ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: AMST236, CULT206, GEND213, AMST331, GEND311, and ENGL349
EQ: CULT206
ENGL243-24S2 (C) **Semester 2**

ENGL252 Crime Stories
15 Points 0.1250 EFTS
The course addresses the usefulness and range of the crime genre as an appropriate focus for the acquisition of the skills (in research, critical analysis, and written expression) peculiar to English studies, as well as a form of social and political critique. It will particularly concentrate on the last two centuries of the representations of crime, detection, confession, and punishments, assaying major trends and preoccupations present in a range of texts and theories. Within a general contextual examination of engagements between these facets, the development of genre forms and concerns will be considered, especially because the genre often speculates the fears and desires of its time in ways that likewise shape wider perceptions of crime and punishment. Students will be expected to read a range of key material, including a small selection of novels, some short fiction, theoretical writings and visual texts that should represent differences and similarities in representation and subject choice that writers and directors negotiate.
P: Any 15 points at 100 level from CULT or ENGL, or any 60 points at 100 level from the Schedule V of the BA.
R: ENGL352; CULT252; CULT352
EQ: CULT252
ENGL252-24S1 (C) **Semester 1**

ENGL305 European Novels and Film Adaptations
30 Points 0.2500 EFTS
A study of important European novels and their film adaptations.

P: Any 30 points at 200 level from CINE, ENGL, EURA, or RUSS, or any 60 points at 200 level from the Schedule V of the BA.
R: EULC204, EULC304, EURA204, EURA304, CINE214, RUSS215, RUSS216
EQ: EURA304
ENGL305-24S2 (C) **Semester 2**

ENGL315 The Contemporary Novel
30 Points 0.2500 EFTS
The novelist and philosopher Jean Paul Sartre once described the experience of the contemporary as like looking out the back of a moving car: the present, glimpsed through the side windows, appears as a blur, but as one looks through the rear window the blur begins to take the forms we recognise as constituents of contemporary experience, now seen with the aid of perspective. To study the contemporary novel is to read for what the poet T.S. Eliot called the 'pastness' of the present, which involves reading for the ways in which the novel form has been, and will continue to be, used to question, critique, and imagine the contemporary.The course will look primarily at novels from the Twentieth Century, but will conclude with a look towards recent twenty-first century fiction.

P: Any 30 points at 200 level from ENGL, or any 60 points at 200 level from the Schedule V of the BA.
ENGL315-24S2 (C) **Semester 2**

ENGL317 Special Topic: Modern Poetry
30 Points 0.2500 EFTS
This course takes a broad view of modern poetry. We begin with a selection of English and American poets identified with literary modernism, before widening our reading to encompass poets of other places and more recent eras who have responded in a variety of ways to modernist forms, techniques and preoccupations.

P: Any 30 points at 200 level from ENGL, or any 60 points at 200 level from the Schedule V of the BA.
R: ENGL434
ENGL317-24S1 (C) **Semester 1**

ENGL318 Animals in Culture
30 Points 0.2500 EFTS
This course explores the role of imagery and narrative in producing historical and contemporary ideas about 'animality' and 'speciesism' across a range of texts and media (including mythology, fables and bestiaries; wildlife documentaries; contemporary art; graphic novels; animal biographies; online activism; social media). Students will also learn about intersectional theory and its use in the field of Critical Animal Studies.

P: Any 30 points at 200 level from CULT or ENGL, or any 60 points at 200 level from the Schedule V of the BA.
R: CULT335
EQ: CULT335
ENGL318-24S2 (C) **Semester 2**

ENGL332 Sexualities in Culture
30 Points 0.2500 EFTS
This course analyses representations and models of 'normal' and 'abnormal' sexuality as these occur in sexology, psychiatry, self-help psychology, cinema and popular culture, and queer activism.

P: Any 30 points at 200 level from CULT or ENGL, or any 60 points at 200 level from the Schedule V of the BA.
R: AMST332, CULT303, GEND307, GEND211
EQ: CULT303
ENGL332-24S1 (C) **Semester 1**

ENGL352 Crime Stories
30 Points 0.2500 EFTS
The course addresses the usefulness and range of the crime genre as an appropriate focus for the acquisition of the skills (in research, critical analysis, and written expression) peculiar to English studies, as well as a form of social and political critique. It will particularly concentrate on the last two centuries of the representations of crime, detection, confession, and punishments, assaying major trends and preoccupations present in a range of texts and theories. Within a general contextual examination of engagements between these facets, the development of genre forms and concerns will be considered, especially because the genre often speculates the fears and desires of its time in ways that likewise shape wider perceptions of crime and punishment. Students will be expected to read a range of key material, including a small selection of novels, some short fiction, theoretical writings and visual texts that should represent differences and similarities in representation and subject choice that writers and directors negotiate.

P: Any 30 points at 200 level from CULT or ENGL, or any 60 points at 200 level from the Schedule V of the BA.
R: ENGL252; CULT252; CULT352
ENGL352-24S1 (C) **Semester 1**

Postgraduate

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ENGL410 Picture (Im)Perfect: Utopia and Dystopia in Literature
30 Points 0.2500 EFTS
Utopia is a term coined by Sir Thomas More in the sixteenth century, a play on Greek for both "no place" and a "good place", setting up an imaginative projection of an idealised socio-political "place". Alongside the domain of the ideal, there is an equally compelling tradition of projecting dystopian visions: the "dark mirror" of the writers' concerns. The focus of the course is both on texts and theories surrounding these trends in envisioning the desires and anxieties of particular cultures and individuals, examining treatises, fantasies, essays and other speculative fiction. Plotting an historical course through this domain, we will also be questioning the shifting ideals represented, and the kinds of social and political positioning engendered in the shifts. While students will expected to read a number of key texts in the thematic "genres" of utopian or dystopian subjects, and relevant theory, there will also be sufficient opportunity to view other examples and map out the differences and similarities in representation that different choices of texts negotiate.

P: Subject to approval of the Head of Department.
ENGL410-24S2 (C) **Semester 2**

ENGL412 'A Small Good Thing': The Short Story in the Old World and the New
30 Points 0.2500 EFTS
The first theorist of the short story, Edgar Allan Poe, famously defined the form as something one might peruse at a single sitting. Like a poem, thought Poe, the story ought to achieve a 'unity of effect or impression', a kind of transient but intense excitement. Henry James saw in the form's brevity the 'science of control'; and while some readers enthused about the form's commitment to the moment, the event, the epiphany, others saw only a symptom of cultural fragmentation. This course examines the history and characteristics of the short story as it has been developed in the European and American traditions. More specifically, the course focuses on the relationship of the short story to some of the most persuasive ideas of modernity. Students will have an opportunity to read and place in context such greats of the form as Anton Chekov, Mark Twain, Nikolai Gogol, Poe, Flannery O'Connor, Ernest Hemingway, Raymond Carver, Alice Munro and David Foster Wallace. As the course progresses we will make our way through movements such as romanticism, modernism and postmodernism - all of which define themselves in relation to modernity - concluding with a selection of some of the most exciting new writers working in America.

P: Subject to approval of the Head of Department.
ENGL412-24S1 (C) **Semester 1**

ENGL421 Modern Poetry
30 Points 0.2500 EFTS
This course takes a broad view of modern poetry. We begin with a selection of English and American poets identified with literary modernism, before widening our reading to encompass poets of other places and more recent eras who have responded in a variety of ways to modernist forms, techniques and preoccupations.

P: Subject to approval of the Head of Department.
ENGL421-24S1 (C) **Semester 1**

ENGL442 Directed Reading and Writing
30 Points 0.2500 EFTS
English 442 provides an opportunity for BA(Honours) and first-year MA students to study areas of interest not otherwise available as 400-level courses. Students work independently under the direction of an academic staff member. They are required to read prescribed primary and secondary materials, to undertake assigned research tasks, and to produce two or more essays or other written exercises (with a total length of about 10,000 words). Interested students must contact the Supervisor of Honours Students well in advance of the start of semester.

P: Subject to approval of the Head of Department.
ENGL442-24S1 (C) **Semester 1**
ENGL442-24S2 (C) **Semester 2**

ENGL444 Women/Theory/Film
30 Points 0.2500 EFTS
This course investigates the changing place of women in film: as a glamorised spectacle and cultural commodity, as spectators and consumers, and also as creators and theorists.

P: Subject to approval of the Head of Department.
R: FREN444, GEND413, TAFS406, CINE401
EQ: FREN444
ENGL444-24S2 (C) **Semester 2**

ENGL480 Research Essay
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
ENGL480-24S1 (C) **Semester 1**
ENGL480-24S2 (C) **Semester 2**

ENGL650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to the approval of the Head of Department .
ENGL650-24A (C) **Starts Anytime**
ENGL650-24S1 (C) **Semester 1**
ENGL650-24S2 (C) **Semester 2**

ENGL690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENGL690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ENGL790 English PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENGL790-24A (C) **Starts Anytime**
ENGL790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Environmental Science

Te Kura Matū | School of Physical and Chemical Sciences

ENVR101 Introduction to Environmental Science
15 Points 0.1250 EFTS
This course offers a general introduction to environmental science in an interdisciplinary context. The ENVR 101 course aims to build a knowledge platform and exposes students to the environmental problems and solutions of the modern era. Using an integrated approach across the chemical, biological, cultural and values/ethics aspects of environmental science, students will consider the problems and solutions across key topics including: Feeding the planet (Kai whenua and Kai Moana), Sustainable resource use and waste management, powering the planet, human health and environment, sustainable cities, and sustainable tourism. Students will learn through a combination of lectures and tutorials/workshops. Assessment will be via assignment, on-line quizzes and an exam.
ENVR101-24S1 (C) **Semester 1**

ENVR209 Environmental Science and Resource Management
15 Points 0.1250 EFTS
This course explores the debates and issues in environmental science and resource management around the core theme of agriculture and the environment. There is an emphasis on developing solutions to environmental issues. The course takes a quantitative approach to environmental issues, teaching students to make informed decisions that integrate biophysical data with policies and practices of management in New Zealand, and global, contexts. Students will learn to recognise patterns and processes in agricultural environments, and gain an understanding of how those patterns and processes influence, and are influenced by, resource management decisions. Students will develop an awareness of biculturalism in Aotearoa New Zealand as it applies to environmental issues associated with agriculture, recognising that Māori values may be distinct to regulatory guidelines regarding environmental quality. Mātauranga Māori aspects of agriculture and the environment will be covered.
P: (ENVR101 and GEOG106) or (GEOG110 and GEOG106) and 15 points of CHEM, GEOL or BIOL
R: GEOG206, GEOG209 and ENVR201
EQ: GEOG209
ENVR209-24S2 (C) **Semester 2**

ENVR210 Practical Environmental Science and Management
15 Points 0.1250 EFTS
This course provides field and practical skills for Environmental Scientists and Resource Managers through the investigation of environmental issues. Biophysical parameters including field sampling will be conducted as well as resource management techniques. The implications of the findings will be discussed in the context of Aotearoa New Zealand's resource management legislation.
P: (ENVR101 and GEOG106) and 15 points from CHEM111, CHEM114 or BIOL112
C: ENVR209/GEOG209
R: ENVR201 and GEOG206
ENVR210-24S2 (C) **Semester 2**

ENVR300 Environmental Science Work Experience
0 Points 0.0000 EFTS
This course provides the means for students to complete the work integrated requirements for the BEnvSci (Hons) degree programme. The requirements are completion of a health and safety quiz, an on-line module on professional practice, first aid competency, and one work report and self-review. These components are based on 400 hours of work experience related to Environmental Science. The goal of the course is to introduce students to Environmental Science in the workplace. At the end of the course students will have: - Completed basic first aid training. - Gained an understanding of the rights of employers and employees under the Health and Safety at Work Act (2015). - Gained an understanding of professional practice - Gained 400 hours of work experience related to Environmental Science.
P: Subject to the approval of the Director of Environmental Science
R: This course is restricted to students enrolled in the Bachelor of Environmental Science with Honours
ENVR300-24A (C) **Starts Anytime**

ENVR302 Carbon and Environmental Change
15 Points 0.1250 EFTS
This course explores our changing environment, driven largely by our linear economy (take-make-dispose). Particular emphasis is given to the 'carbon currency' and how carbon drives environmental change. There is an emphasis on developing solutions to environmental issues, especially to climate change adaptation and development of a circular economy. Tikanga Māori aspects of environmental change will be covered.
P: ENVR209 or approval by the Head of School.
R: ENVR402
ENVR302-24S1 (C) **Semester 1**

ENVR303 Mahika Kai and Environmental Science
30 Points 0.2500 EFTS
This project and lecture-based course is focused on issues affecting mahika kai or traditional resources of importance to local Māori communities. Real world environmental problems that affect mahika kai on environments managed by Māori, local and national environmental agencies (e.g. Department of Conservation, Environment Canterbury, Christchurch City Council), or private landowners, will be addressed. This course advances students' professional, field and communication skills in environmental science, drawing on problem-based and service learning approaches.
P: ENVR209 and ENVR210 and approval by the Head of Department.
R: This course is restricted to students enrolled in the BEnvSci(Hons) Restricted against GEOG309
ENVR303-24W (C) **Whole Year (S1 and S2)**

ENVR304 Environmental Toxicology
15 Points 0.1250 EFTS
Environmental toxicology is the multidisciplinary study of the effects of anthropogenic and natural chemical contaminants on the environment. This course will cover exposure to, uptake of and modes of action of chemical contaminants, their ecological effects measured using biomarkers to population dynamics and environmental toxicity testing methods.
P: BIOL111, BIOL274 and CHEM247
ENVR304-24S1 (C) **Semester 1**

ENVR320 Special Topic in Environmental Science
15 Points 0.1250 EFTS
Special topic in Environmental Science.
P: Subject to approval of the Head of Department.
R: ENVR301
ENVR320-24S1 (C) **Semester 1**
ENVR320-24S2 (C) **Semester 2**

ENVR356 Field-focused Research Methods in Environmental Science
30 Points 0.2500 EFTS
This course links field-based learning and/or data collection with instruction in research methods and tutorials dedicated to working in research teams analysing, processing and interpreting data in the broad subject area of environmental science.
P: Enrolment in the Frontiers Abroad programme and Head of Department approval.
R: GEOL356. This course is not open to non-Frontiers Abroad students
RP: Completion of course(s) at home institution in the broader field of Earth Systems Science and Environmental Science and Studies.
ENVR356-24X (C) **12 Feb 2024 - 02 June 2024**
ENVR356-24X2 (C)
Limited entry. See limitation of entry regulations.

ENVR402 Carbon and Environmental Change
15 Points 0.1250 EFTS
This course explores our changing environment, driven largely by our linear economy (take-make-dispose). Particular emphasis is given to the 'carbon currency' and how carbon drives environmental change. There is an emphasis on developing solutions to environmental issues, especially to climate change adaptation and development of a circular economy. Tikanga Māori aspects of environmental change will be covered.
P: Subject to approval by the Head of School.
R: ENVR302
ENVR402-24S1 (C) **Semester 1**

ENVR415 Environmental Risk Assessment
15 Points 0.1250 EFTS
This course focusses on methodologies used to assess environmental effects and risks, including environmental impact assessments, environmental risk assessment, cultural impact

assessments and the cultural health index. Risk communication to diverse audiences is an important skill for Environmental Scientists. In this course students will develop skills in risk assessment and communication.

P: Students wishing to enrol in ENVR415 must have completed ENVR302 or ENVR402 or have Head of Department approval.

ENVR415-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENVR404 Environmental Toxicology

15 Points 0.1250 EFTS

Environmental toxicology is the multidisciplinary study of the effects of anthropogenic and natural chemical contaminants on the environment. This course will cover exposure to, uptake of and modes of action of toxins, their ecological effects measured using biomarkers to population dynamics and environmental toxicity testing methods.

P: Students wishing to enrol in ENVR404 must have HOS Approval

R: ENVR304

ENVR404-24S1 (C) **Semester 1**

ENVR411 Case Studies in Environmental Science

15 Points 0.1250 EFTS

Application of basic concepts in environmental science to understanding land, air and water processes, their interactions, and their management.

P: Subject to approval of the Head of Department.

ENVR411-24S1 (C) **Semester 1**

ENVR414 Current Issues in Environmental Chemistry

15 Points 0.1250 EFTS

This course comprises current issues in environmental chemistry. Examples include emerging contaminants, stable isotopes as tracers, air quality, global climate change, drinking water, contaminated land, radiochemistry, acid mine drainage and toxicology.

P: CHEM340 or ENCN281 or equivalent study

ENVR414-24S2 (C) **Semester 2**

ENVR480 Research Project

30 Points 0.2500 EFTS

A written report on a research project on a topic in interdisciplinary environmental science approved by the Co-ordinator. The report must be completed and presented to the Registrar no later than 1 November in the year in which the student presents the written courses.

P: Subject to approval of the Head of Department.

ENVR480-24W (C) **Whole Year (S1 and S2)**

ENVR690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

ENVR690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

ENVR790 Environmental Science PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

ENVR790-24A (C) **Starts Anytime**

ENVR790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

European and European Union Studies

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

EURA101 Global EUrope

15 Points 0.1250 EFTS

What is the European Union? How important is it in Global Affairs? Why is the EU expanding? What lead to the BREXIT vote and what influence will it have? Through the use of traditional and online teaching methods, this course introduces students to the identity, structure and function of the EU, its key challenges and its role and impact on the world, particularly in the Asia-Pacific region.

R: EURO101

EURA101-24S1 (C) **Semester 1**

EURA101-24S1 (D) **Semester 1**

EURA204 European Novels and Film Adaptations

15 Points 0.1250 EFTS

A study of important European novels and their film adaptations.

P: Any 15 points at 100 level from CINE, ENGL, EURA, or RUSS, or any 60 points at 100 level from the Schedule V of the BA.

R: CINE 214, ENGL 305, EULC 204, EULC 304, EURA 304, RUSS 215, RUSS 216

EQ: CINE 214

EURA204-24S2 (C) **Semester 2**

EURA210 European Integration from Community to Union

15 Points 0.1250 EFTS

The course is designed to introduce students to the process of European Integration that has transformed post-1945 Europe and seen the European Union emerge as a new global power. The course draws on an interdisciplinary approach and is focused on policy analysis and case studies.

P: Any 15 points at 100 level from EURA or GEOG, or any 60 points at 100 level from the Schedule V of the BA.

R: EURA310, EURO210, EURO310, GEOG321

EURA210-24S1 (C) **Semester 1**

EURA214 The Soviet Experiment and its Aftermath

15 Points 0.1250 EFTS

The emphasis is on Russia's 20th century Communist experience and its many legacies in the fast-changing post-Soviet society. Together we will examine the causes of the Bolshevik Revolution and the greatest social experiment in the history of humankind that followed it. The course will explore the roots of Stalinism, the causes and consequences of Soviet victory over Nazi Germany in World War II, the space race and other Cold War competitions between the superpowers, Gorbachev's reforms and the collapse of the USSR. Was the end of the Communist rule in the Soviet Union predetermined?

P: Any 15 points at 100 level from EURA, HIST, or RUSS, or any 60 points at 100 level from the Schedule V of the BA.

R: RUSS 218, RUSS 318, HIST 274, HIST 374

EQ: RUSS 218, HIST 274

EURA214-24S1 (C) **Semester 1**

EURA223 The EU, Globalization and Migration

15 Points 0.1250 EFTS

This course addresses international migration as one of the most pressing and formative issues which shape both European integration, and the relationships of Europe with the rest of the world. It addresses the economic, social, political and policy aspects of international migration in the changing EU and global contexts. The course has particular resonance for students in New Zealand, a country whose society has substantially been shaped by migration to and from Europe and the rest of the world.

P: Any 15 points at 100 level from EURA or GEOG, or any 60 points at 100 level from the Schedule V of the BA.

R: GEOG 213, EURO 223

EQ: GEOG213

EURA223-24SU1 (C) **Summer (Jan 24)**

EURA224 Democratic and Economic Evolution of Europe

15 Points 0.1250 EFTS

This course is designed to provide sufficient knowledge and understanding of recent economic developments and democratisation processes in Europe as a whole and within the EU as an institution. It will examine the institutional and policy changes that have happened since the European "reunification" in 1989, but significant attention will be paid to the economic and political history of the continent also.

P: Any 15 points at 100 level from EURA or POLS, or any 60 points at 100 level from the Schedule V of the BA.

R: POLS224, EURO224, EURO324, EURA324

EQ: POLS224

EURA224-24S1 (C) **Semester 1**

EURA226 The Rise and Fall of Communism in Central and Eastern Europe, 1944 - 1991

15 Points 0.1250 EFTS

The end of the Cold War and of Eastern European communism in 1989-1991 did not mean the loss of global interest in developments in the former communist countries of Central and Eastern Europe. On the contrary, the recent history of these countries, the period of their post-communist transition to political democracy and a market economy, has been marked with new instabilities, crises and wars which have had serious implications for global trends. This course is designed to provide a broad background to an understanding of the political, socio-economic, and cultural developments in the former communist countries of Central and Eastern Europe as an essential prerequisite to understanding the modern world.

P: Any 15 points at 100 level from EURA or HIST, or any 60 points at 100 level from the Schedule V of the BA.

R: EURA 326, EURO 226, EURO 326, HIST 269, HIST 329

EQ: HIST269

EURA226-24S2 (C) **Semester 2**

EURA234 European Foreign Policy in the 21st Century
15 Points 0.1250 EFTS
This course focuses on how the EU, and its member states, are adapting to an international role in the 21st century. The course will critically examine the institutions of EU foreign and security policy, the creation of the Common Security and Defence Policy (CSDP) and the increasing number of civilian and military crisis management operations. The course assesses the EU's emergent strategy and strategic culture and strands of its foreign policy in action. Particular attention is given to EU development policy, the EU's engagement with the Sustainable Development Goals, EU trade policy, as well as how the EU engages with other world powers such as the US, Russia and China.

P: Any 15 points at 100-level from EURA or POLS, OR any 60 points at 100-level from Schedule V of the BA.
R: POLS234
EURA234-24S2 (C) **Semester 2**

EURA304 European Novels and Film Adaptations
30 Points 0.2500 EFTS
A study of important European novels and their film adaptations.

P: Any 30 points at 200 level from CINE, ENGL, EURA, or RUSS, or any 60 points at 200 level from the Schedule V of the BA.
R: ENGL 305, EURA 204, EULC 204, EULC 304, RUSS 215, RUSS 216, CINE214
EQ: ENGL 305
EURA304-24S2 (C) **Semester 2**

EURA310 European Integration from Community to Union
30 Points 0.2500 EFTS
The course is designed to introduce students to the process of European Integration that has transformed post-1945 Europe and seen the European Union emerge as a new global power. The course draws on an interdisciplinary approach and is focused on policy analysis and case studies.

P: Any 30 points at 200 level from EURA or GEOG, or any 60 points at 200 level from the Schedule V of the BA.
R: EURA 210, EURO 210, EURO 310, GEOG 320 (prior to 2005), GEOG 321 (from 2005)
EQ: GEOG321
EURA310-24S1 (C) **Semester 1**

EURA324 Democratic and Economic Evolution of Europe
30 Points 0.2500 EFTS
This course is designed to provide sufficient knowledge and understanding of recent economic developments and democratisation processes in Europe as a whole and within the EU as an institution. It will examine the institutional and policy changes that have happened since the European "reunification" in 1989, but significant attention will be paid to the economic and political history of the continent also.

P: Any 30 points at 200 level from EURA or POLS, or any 60 points at 200 level from the Schedule V of the BA.
R: EURO 224, EURO 324, EURA 224, POLS 224
EURA324-24S1 (C) **Semester 1**

EURA326 The Rise and Fall of Communism in Central and Eastern Europe, 1944 - 1991
30 Points 0.2500 EFTS
The end of the Cold War and of Eastern European communism in 1989-1991 did not mean the loss of global interest in developments in the former communist countries of Central and Eastern Europe. On the contrary, the recent history of these countries, the period of their post-communist transition to political democracy and a market economy, has been marked with new instabilities, crises and wars which have had serious implications for global trends. This course is designed to provide a broad background to an understanding of the political, socio-economic, and cultural developments in the former communist countries of Central and Eastern Europe as an essential prerequisite to understanding the modern world.

P: Any 30 points at 200 level from EURA or HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: EURA 226, EURO 226, EURO 326, HIST 269, HIST 329
EQ: HIST329
EURA326-24S2 (C) **Semester 2**

European Studies

National Centre for Research on Europe

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

EURO409 The EU and "Europeanisation" of Europe
15 Points 0.1250 EFTS
This course examines the importance of the EU as a promoter of peace, democracy and economic prosperity in the European continent and its neighbourhood. As an honours course, it strongly encourages individual student application of research through self-study methods and regular participation in seminar discussions.

P: Subject to approval of the NCRE Director.
EURO409-24S2 (C) **Semester 2**

EURO448 Issues in Modern European History
30 Points 0.2500 EFTS
This course focuses on some of the most important and controversial debates in the historiography of modern Europe. Students will be encouraged to explore these debates in detail, to consider the historiographical context within which these debates have taken place, and to arrive at their own views based on their extensive research in primary and secondary sources.

P: Subject to approval of the NCRE Director.
R: HIST449, DIPL428
EQ: HIST449, DIPL428
EURO448-24S2 (C) **Semester 2**

EURO457 European Foreign and Security Policy
15 Points 0.1250 EFTS
This course examines current European Union foreign policy activities which include peace and reconciliation; a growing security role for Europe in terms of an autonomous EU military capacity; and an international diplomatic role.

P: Subject to approval of the NCRE Director.
R: EURO410, DIPL426 before 2014, DIPL420
EURO457-24S1 (C) **Semester 1**

EURO458 EU Development Policy
15 Points 0.1250 EFTS
This course examines current European Union Development policy and addresses humanitarian and poverty initiatives, the implementation of the Millennium Development Goals, trade preferences as well as the growing securitization of Development under the EEAS.

P: Subject to approval of the NCRE Director.
R: EURO410, DIPL426 before 2014, DIPL421
EURO458-24S1 (C) **Semester 1**

EURO479 Navigating Research: Research Training and Methods
15 Points 0.1250 EFTS
A course in research training and methods for European Union Studies.

P: Subject to approval of the NCRE Director.
R: EURO480
EURO479-24S2 (C) **Semester 2**

EURO480 Research Topic
30 Points 0.2500 EFTS
This core course in the EURO Honours programme will consist of two parts – the first semester will feature a course work in research training and methods and the second semester will cover more intensive individual research and writing of the Honours dissertation.

P: Subject to approval of the NCRE Director.
EURO480-24CY (C) **Cross Year**

EURO482 European Studies Internship Course
15 Points 0.1250 EFTS
A professional internship placement.

P: Subject to approval of the NCRE Director.
EURO482-24A (C) **Starts Anytime**
EURO482-24S2 (C) **Semester 2**

EURO650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation

P: Subject to approval of the Head of Department.
EURO650-24A (C) **Starts Anytime**
EURO650-24S1 (C) **Semester 1**
EURO650-24S2 (C) **Semester 2**

EURO690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the NCRE Director.
EURO690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

EURO692 MEuro Thesis
90 Points 0.7500 EFTS
A research course.

C: EURO479
EURO692-24A (C) **Starts Anytime**

EURO790 European Studies PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
EURO790-24A (C) **Starts Anytime**
EURO790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Evolutionary Biology

Te Kura Pūtaiao Koiora | School of Biological Sciences

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

EVOL690 MSc Thesis
120 Points 1.0000 EFTS
P: Entry is subject to the approval of Head of School
EVOL690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

EVOL790 PhD Thesis
120 Points 1.0000 EFTS
P: Entry is subject to the approval of Head of School
EVOL790-24A (C) **Starts Anytime**
EVOL790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Finance

Te Tari Ōhanga Tahua | Department of Economics and Finance

FINC101 Personal Finance
15 Points 0.1250 EFTS
Personal financial literacy and decision making, including consumption and investment, debt, insurance, retirement and estate planning.
FINC101-24S1 (C) **Semester 1**

FINC201 Business Finance
15 Points 0.1250 EFTS
The core principles of the financial management of business firms.
P: (1) ACCT102; and (2) STAT101; and (3) a further 30 points
R: FINC202, AFIS204
RP: Students without a mathematics background equivalent to NCEA Level 2 should pass MATH 101 before enrolling in this course.
EQ: AFIS204
FINC201-24S1 (C) **Semester 1**
FINC201-24S2 (C) **Semester 2**

FINC203 Financial Markets, Institutions and Instruments
15 Points 0.1250 EFTS
Description and analysis of the financial system, focusing on financial markets (domestic and international), financial asset trading mechanisms, market efficiency, institutions (intermediaries) and instruments (stocks, bonds, hybrid securities including derivatives).
P: (1) STAT101; and (2) A further 45 points.
R: AFIS214
EQ: AFIS214
FINC203-24S1 (C) **Semester 1**

FINC301 Corporate Finance Theory and Policy
15 Points 0.1250 EFTS
The theoretical principles of corporate finance and their applications to business policy.
P: FINC201
C: FINC203
FINC301-24S2 (C) **Semester 2**

FINC305 Financial Modelling
15 Points 0.1250 EFTS
The main purpose of this course is to combine a deeper understanding of selected topics in corporate finance and portfolio models with spreadsheet skills at an appropriate level for financial analysts. This course makes extensive use of EXCEL.
P: (1) FINC201; and (2) MATH101 or MATH102 or MATH199
C: FINC203 or MATH103
R: FINC616
FINC305-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

FINC311 Investments
15 Points 0.1250 EFTS
The theoretical principles of investments and their applications to investment policy.
P: (1) FINC201; and (2) MATH101 or MATH102 or MATH199
C: FINC203 or MATH103
FINC311-24S1 (C) **Semester 1**

FINC312 Derivative Securities
15 Points 0.1250 EFTS
An introduction to the use, analysis and pricing of derivative securities, including options, futures and swaps.
P: (1) FINC201; and (2) MATH101 or MATH102 or MATH199
C: FINC203 or MATH103
R: FINC612
FINC312-24S1 (C) **Semester 1**

FINC331 Financial Economics
15 Points 0.1250 EFTS
The economics of finance, with applications to asset valuation, corporate finance, and portfolio management.
P: (1) FINC201; and (2) MATH102 or MATH199;
C: ECON207
R: ECON331
RP: MATH103
EQ: ECON331
FINC331-24S2 (C) **Semester 2**

FINC344 International Finance
15 Points 0.1250 EFTS
This course provides an understanding of the fundamental concepts and issues in international finance. It develops a "tool-kit" of common approaches and applies it to many real-world examples in international finance. We cover topics such as the foreign exchange markets and exchange rate systems, balance of payments, international arbitrage and interest rate parity, exchange rate determination and forecasting, measuring and managing exchange rate risk, international debt and equity financing, currency derivatives, interest rate and currency swaps, and financial crises.
P: ECON206 or FINC201 or FINC203
R: FINC315, ECON344, ECON210
RP: 15 points in MATH or Year 13 Math with Calculus
EQ: ECON344
FINC344-24S2 (C) **Semester 2**

FINC390 Internship or Consultancy Project
15 Points 0.1250 EFTS
An internship or consultancy project is an opportunity to experience a professional work environment. Internships or projects taken for credit are usually unpaid. You are expected to develop a good understanding of a sector, market or organisation. The work you submit will show an application of the tools, ideas or concepts of finance. You will be required to reflect critically on the requirements of transitioning from an academic to a work environment and the skills valued in a professional workplace. As these are finance placements, priority is given to finance majors.
P: (1) FINC201 and FINC203 (2) Subject to approval of the Head of Department
R: ECON390, ARTS395, PACE395
FINC390-23SU2 (C) **Summer (Nov 23)**
FINC390-24S1 (C) **Semester 1**
FINC390-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

FINC610 Studies in Capital Markets
15 Points 0.1250 EFTS
Studies in Capital Markets
P: Subject to approval of the Head of Department.
FINC610-24S1 (C) **Semester 1**
FINC610-24S2 (C) **Semester 2**

FINC612 Derivatives Securities
15 Points 0.1250 EFTS
This course provides an introduction to financial derivative securities. The main focus of the course will be on derivatives such as forwards, futures, swaps and options.The purpose of this course is to equip students with knowledge about these products, i.e., how they are priced, valued, and how they can be used for arbitraging, speculation and hedging purposes.
P: (1) Subject to Approval in BCom(Hons) (Finance), MCom (Finance) or MAFE; and (2) FINC201; and (3) FINC203
R: FINC312
FINC612-24S1 (C) **Semester 1**

FINC613 Studies in Capital Markets II
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
FINC613-24S1 (C) **Semester 1**
FINC613-24S2 (C) **Semester 2**

FINC614 Investments
15 Points 0.1250 EFTS
This course examines investments and portfolio management from both a theoretical and practical perspective. Emphasis is placed on the development of the skills and competencies required to succeed as an investment professional, especially those related to investment analysis and portfolio formation and management. Topics covered include portfolio and capital market theory, asset pricing, equity valuation, efficient markets theory, portfolio creation, and other aspects of portfolio management.
P: Subject to approval of Head of Department
R: FINC 311
EQ: FINC 311
FINC614-24S1 (C) **Semester 1**

FINC616 Financial Modelling
15 Points 0.1250 EFTS
Application of spreadsheet tools to financial decision-making and analysis
P: Subject to approval of the Head of Department
R: FINC305
EQ: FINC305
FINC616-24S1 (C) **Semester 1**

FINC618 Financial Economics
15 Points 0.1250 EFTS
The economics of finance with applications to asset valuation, corporate finance, and portfolio management. FINC 618 students will be expected to apply advanced theories to these concepts.
P: Subject to approval of Head of Department
R: FINC 331
EQ: FINC 331
FINC618-24S2 (C) **Semester 2**

FINC623 Advanced Derivative Securities
15 Points 0.1250 EFTS
Detailed analysis of complex derivative securities, including valuation, hedging, speculation, arbitrage and risk management.
P: Subject to approval of the Head of Department.
FINC623-24S2 (C) **Semester 2**

FINC629 Credit Risk Management
15 Points 0.1250 EFTS
Management of Credit Risks
P: Subject to approval of the Head of Department
FINC629-24S1 (C) **Semester 1**

FINC641 Monetary Economics: Theory
15 Points 0.1250 EFTS
This course surveys a number of important topics in monetary theory. A few topics such as the implementation of monetary policy in New Zealand draw heavily on microeconomics. The lectures cover topics ranging from asymmetric information in credit markets to the term structure of interest rates. The topical nature of the course is brought out by a discussion of the causes and consequences of currency crises, foreign exchange market intervention, and the recent drive towards currency unions.
P: Subject to approval of the Head of Department.
R: ECON641
EQ: ECON641
FINC641-24S2 (C) **Semester 2**

FINC643 Advanced International Finance
15 Points 0.1250 EFTS
This course introduces students to selected relevant topics in international finance. It will familiarize students with the analytical techniques needed to understand different theoretical issues and evaluate the empirical performance of the models. The main topics covered in this course are exchange rate movements, current account determination, foreign exchange intervention and volatility, sovereign debt and crisis, financial development, financial liberalization and international capital flows, currency crisis, banking system stability and systemic risk, and the role of international institutions like the IMF.
P: Subject to approval of the Head of Department.
R: ECON 643
RP: ECON 344 or FINC 344
EQ: ECON 643
FINC643-24S1 (C) **Semester 1**

FINC650 Corporate Governance
15 Points 0.1250 EFTS
Corporate governance theory and practice. Topics include: Corporate governance in New Zealand, Australia, and around the world; Theories of corporate governance; The board of directors and its committees; Director and executive remuneration; Corporate governance scandals; and Stakeholders.
P: Subject to approval by the Head of Department
R: ACCT624
EQ: ACCT624
FINC650-24S2 (C) **Semester 2**

FINC679 Internship or Consultancy Project
15 Points 0.1250 EFTS
An internship or consultancy project is an opportunity to experience a professional work environment. You are expected to develop a good understanding of a sector, market or organisation. The work you submit will show an application of the tools, ideas or concepts of finance. You will be required to reflect critically on the requirements of transitioning from an academic to a work environment and the skills valued in a professional workplace. You will also need to provide a critical analysis of the work undertaken.
P: Subject to Head of Department approval
R: ECON679
FINC679-23SU2 (C) **Summer (Nov 23)**
FINC679-24S1 (C) **Semester 1**
FINC679-24S2 (C) **Semester 2**

FINC680 Research Project
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
FINC680-24A (C) **Starts Anytime**
FINC680-24W (C) **Whole Year (S1 and S2)**

FINC691 MCom Dissertation
60 Points 0.5000 EFTS
P: Subject to approval of the Head of Department. Admission may be subject to meeting a sufficient standard in previous coursework.
R: FINC680
FINC691-24A (C) **Starts Anytime**

FINC694 MCom Thesis
90 Points 0.7500 EFTS
MCom Thesis
P: Subject to approval of the Head of Department
FINC694-24A (C) **Starts Anytime**

FINC695 MCom Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
FINC695-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

FINC699 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
FINC699-24A (C) **Starts Anytime**

FINC790 Finance PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
FINC790-24A (C) Starts Anytime
FINC790-24A (D) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, all international students pay the domestic fee for this course. International fees apply for all other courses.*

Finance and Economics

Te Tari Ōhanga Tahua | Department of Economics and Finance

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FIEC601 Quantitative Finance and Economics
15 Points 0.1250 EFTS
An intensive finance and economics course for students with the minimum entry requirement for the MAFE degree. The course reviews foundational content in skills and techniques in finance, microeconomics, and econometrics that students will likely be deficient in if they have met only the minimum pre-requisites. Students will become proficient in the use of math, or else the ability to evaluate the math, for finance and economics topics they would have seen in the undergraduate pre-requisite for entry to the programme.
P: Subject to approval of the Head of Department
FIEC601-24SU1 (C) Summer (Jan 24)

FIEC675 Advanced Applications in Finance and Economics
45 Points 0.3750 EFTS
FIEC 675 is specific to the Master of Applied Finance and Economics (MAFE). It follows the completion of coursework and is a module based course with applied projects in topics such as time series forecasting, cost-benefit analysis, portfolio management and financial decision-making.
P: Subject to approval of the Head of Department
FIEC675-23SU2 (C) Summer (Nov 23)

Financial Management

Business Taught Masters Programme

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MFIN600 CFA Ethics Programme
0 Points 0.0000 EFTS
An understanding of ethics is crucial in the modern business environment and the industry of finance. The world is seeking graduates who have a strong understanding of ethics and who expect and deliver a high level of ethical behaviour. This is a self paced online course requiring the completion of the CFA Ethic Learning Lab programme. Completion of MFIN 600 is a graduating requirement for the FM major in the MBus. It supports CFA accreditation which is a valuable outcome of the degree.
P: MBAZ603
MFIN600-24S2 (C) Semester 2

MFIN601 Corporate Finance
15 Points 0.1250 EFTS
This course examines corporate finance theory and its application to practice with particular attention to how financial decisions affect firm value. A range of topics are covered including financial asset management, asset and project valuation, capital structure and dividend policy, corporate restructuring, and other contemporary issues in corporate finance.
P: MBAZ601 and MBAZ603
R: FINC301
MFIN601-24S2 (C) Semester 2

MFIN602 Investment Analysis and Portfolio Management
15 Points 0.1250 EFTS
This course examines theories of investment analysis and portfolio management and their application to practice with particular attention on how local firms manage their investments and risk in both the domestic and international markets. A range of topics are covered including equity and debt investments, derivatives, exchange rates, and alternative investments as well as other contemporary issues in portfolio and wealth management.
P: MBAZ601 and MBAZ603;
R: FINC311, FINC312
MFIN602-24S2 (C) Semester 2

MFIN603 Financial Management
15 Points 0.1250 EFTS
This course examines theories of financial management and their application to practice with particular attention to how accounting standards and taxation policies affect financial decision-making. A range of topics are covered including international accounting standards, financial reporting and analysis, taxation policies and tax planning, financial risk management, corporate governance, culture and ethics in the world of finance, and other contemporary issues in financial management.
C: MBAZ601, MBAZ603
MFIN603-24S2 (C) Semester 2

MFIN671 Business in Aotearoa New Zealand
15 Points 0.1250 EFTS
This course will provide students with a general understanding of business in New Zealand including Māori organisations. Students will undertake applied research on a business in New Zealand. The course will cover a range of historic and contemporary issues.
P: MBAZ601, MBAZ604.
R: FIEC675, MFIN670
MFIN671-24S1 (C) Semester 1

MFIN672 Cases in Financial and Management Accounting
15 Points 0.1250 EFTS
This course provides students with an understanding of contemporary issues in financial and management accounting, and then undertake applied research on a business in New Zealand that is facing a specific issue in financial and/or management accounting. A representative of a local business will present the specific issue to the class and then the students - acting as professional consultants - will research possible solutions to the issue and present their findings to the representative. Students will be expected to apply concepts and theories in financial management to the business under study.
P: MPAC603, MBAZ604
MFIN672-24S1 (C) Semester 1

MFIN673 Portfolio Management
15 Points 0.1250 EFTS
The course focuses on building up the knowledge and the skills required for the construction and management of investment portfolio. The portfolios of assets such as stocks and bonds will be considered. The course provides the tools necessary to evaluate and critique the potential and realized performance of portfolio and investments and to the trade-off between risk and return.
P: MFIN601; AND MFIN602; AND MBAZ604
MFIN673-24S1 (C) Semester 1

MFIN674 Financial Decision Making
15 Points 0.1250 EFTS
The purpose of MFIN674 is to enable students to develop and apply advanced theoretical and technical skills of financial decision making. Students will be required to provide sound decisions to a range of real world financial problems and then evaluate those decisions against success criteria. Findings will be have to be presented in a way that is "client-ready" and accessible to a non-expert in financial management. Students will also achieve a Bloomberg certification as part of this course.
P: (1) MFIN601; (2) MFIN602; (3) MBAZ604
MFIN674-24S1 (C) Semester 1

Fine Arts

School of Creative and Digital Arts

FINA101 What is Practice?
30 Points 0.2500 EFTS
An introduction to studio practice across five fine arts disciplines.
P: Subject to approval of the Head of School. Entry to this course is limited.
FINA101-24S1 (C) Semester 1
Limited entry. See limitation of entry regulations.

FINA102 Communities of Practice
15 Points 0.1250 EFTS
An introduction to communities of practice within the contemporary arts world.
P: Subject to approval of the Head of School. Entry to this course is limited.
FINA102-24S1 (C) Semester 1
Limited entry. See limitation of entry regulations.

FINA103 Studio Practice
45 Points 0.3750 EFTS
An introduction to a selection of fine arts studio practices.
P: FINA101. Subject to approval of the Head of School. Entry to this course is limited.
FINA103-24S2 (C) Semester 2
Limited entry. See limitation of entry regulations.

Postgraduate

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FINA450 Honours Research
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School. Entry to this course is limited.
FINA450-24W (C) Whole Year (S1 and S2)
Limited entry. See limitation of entry regulations.

FINA451 Honours Research A
60 Points 0.5000 EFTS
P: With the permission of the Head of the School of Fine Arts.
FINA451-24W (C) Whole Year (S1 and S2)
Limited entry. See limitation of entry regulations.

FINA452 Honours Research B
60 Points 0.5000 EFTS
P: With the permission of the Head of the School of Fine Arts.
FINA452-24W (C) Whole Year (S1 and S2)
Limited entry. See limitation of entry regulations.

FINA601 Fine Arts Honours Research
120 Points 1.0000 EFTS
This is a full academic-year (24 week) 120-point course of intensive studio-based research. This course requires students to independently propose, frame, develop and execute a year-long practice-led research project in a critical cross-disciplinary academic environment. While this course prepares students for entry into professional practice it also prepares them for entry into postgraduate study/research, with the intention that these students might go on to make advances in and/or contributions to the field in which they operate.
P: Subject to approval by the Head of School.
R: FINA450, FINA451, FINA452
FINA601-24W (C) Whole Year (S1 and S2)

FINA602 Fine Arts Postgraduate Diploma Research
120 Points 1.0000 EFTS
The School of Fine Arts Postgraduate Diploma (PG Dip) is an intensive practice-led research programme beginning on March 1st and ending with a submission at the end of the academic year in mid-October. Part time study is an option, and this course can be completed over the course of two academic years (four semesters). The aim of this course is to provide applicants who do not have an exisiting Honors Degree, a pathway to enter into postgraduate study. This course offers students the opportunity to develop their abilities as creative practitioners in a research based academic environment, and to work towards making genuine contributions to the discipline they are engaged in.
P: Subject to approval by the Head of School.
R: FINA450, 451, 452
FINA602-24W (C) Whole Year (S1 and S2)

Fire Engineering

Te Tari Pūhanga Metarahi, Rawa Taiao | Department of Civil and Natural Resources Engineering

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ENFE601 Structural Fire Engineering
15 Points 0.1250 EFTS
Introduction to specific fire engineering design of buildings. Active and passive fire protection. Severity of post-flashover fires. Fire resistance of steel, concrete and timber structures.
P: ENGR403 or subject to approval of the Head of Department
R: ENCI661
ENFE601-24S1 (C) Semester 1

ENFE602 Fire Dynamics
15 Points 0.1250 EFTS
Introduction to heat transfer problems in fire engineering including steady state and transient conduction, convection and radiation. Fundamentals of burning objects from combustion chemistry, ignition, flame spread, flame heights and fire plumes.
P: ENGR403
EQ: ENCI663
ENFE602-24S1 (C) Semester 1

ENFE603 Fire Safety Systems
15 Points 0.1250 EFTS
Fire detection and alarm systems. Suppression systems. Fire extinguishment. Smoke control systems. Integration of fire safety systems with building services.
P: ENGR403 or subject to approval of the Head of Department
ENFE603-24X (C) 17 June 2024 - 10 Nov 2024

ENFE605 Fire Safety Engineering Design
30 Points 0.2500 EFTS
Building fire safety legislation and design framework; Societal expectation of life safety and property protection; Prescriptive and performance-based fire engineering design approaches; Application of qualitative and quantitative fire engineering analysis.
P: ENGR403
C: ENFE601, ENFE602, ENFE603, ENFE610, ENFE615, ENFE618
ENFE605-24X (C) 19 Feb 2024 - 24 Nov 2024
Limited entry. See limitation of entry regulations.

ENFE610 Advanced Fire Dynamics
15 Points 0.1250 EFTS
Fundamentals of compartment fires modelling from correlations to Computational Fluid Dynamics modelling. Basics of compartment fire dynamics from radiation enhanced combustion to ventilation limited burning. Application of computer fire modelling to compartment fires with BRISK (zone model) and FDS (CFD model).
P: ENGR403
ENFE610-24X (C) 17 June 2024 - 10 Nov 2024

ENFE615 Human Behaviour in Fire
15 Points 0.1250 EFTS
Examination and interaction of the individual with the fire-created environment. Behaviour of building occupants. How human behaviour issues are incorporated in building design.
P: ENGR403 or approval of Head of Department
ENFE615-24S1 (C) Semester 1

ENFE618 Advanced Structural Fire Engineering
15 Points 0.1250 EFTS
Major structural fire events and their implications; Material properties at elevated temperatures; Global modelling of structures in fire; Joints at elevated temperatures; Robustness of structures in fire
P: ENFE601, ENFE602
ENFE618-24X (C) 15 July 2024 - 17 Nov 2024
Limited entry. See limitation of entry regulations.

ENFE675 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENFE675-24A (C) Starts Anytime
ENFE675-24S1 (C) Semester 1
ENFE675-24W (C) Whole Year (S1 and S2)
ENFE675-24S2 (C) Semester 2

ENFE681 Fire Project
15 Points 0.1250 EFTS
A fire engineering project to be undertaken within one of the Departments of Engineering.
P: Subject to approval of the Director of Studies.
ENFE681-24A (C) Starts Anytime

ENFE682 Fire Project
30 Points 0.2500 EFTS
A fire engineering project to be undertaken within one of the Departments of Engineering.
P: ENGR403
ENFE682-24A (C) Starts Anytime

ENFE683 Fire Project
45 Points 0.3750 EFTS
A fire engineering project to be undertaken within one of the Departments of Engineering.
P: Subject to approval of the Director of Studies.
ENFE683-24A (C) Starts Anytime

ENFE690 MEFE Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENFE690-24A (C) Starts Anytime
Part-time enrolment (0.65 EFTS) is available on approval.

ENFE790 Fire Engineering PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENFE790-24A (C) Starts Anytime
ENFE790-24A (D) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Forest Engineering

School of Forestry

FORE199 Workshop Training Course
0 Points 0.0000 EFTS
Compulsory workshop training course for Forest Engineering students.
P: Approval into the BE(Hons) Forest Engineering.
FORE199-24W (C) Whole Year (S1 and S2)

ENFO204 Forest Measurement
15 Points 0.1250 EFTS
Forest mensuration and inventory, field survey techniques in plane surveying, related calculations and plotting.
P: Subject to approval of the Director of Studies, Forest Engineering.
R: FORE141, FORE216
ENFO204-24S2 (C) Semester 2

ENFO327 Wood Science
15 Points 0.1250 EFTS
A key management objective of forestry is the production of wood. The course provides the student with an understanding of the chemical and biological basis of the material properties of wood, how forestry can control these and the concept of wood quality. Reference will be made to how wood properties determine the suitability of a timber resource for certain wooden products.
P: Subject to approval of the Director of Studies, Forest Engineering
R: FORE327
ENFO327-24S2 (C) Semester 2

ENFO410 Forest Engineering Research
30 Points 0.2500 EFTS
Research methods and a major research project focussed on the application of engineering principles to the solution of a forest engineering problem. Project management principles, productivity study techniques and ergonomics will be taught within the scope of the course. Research methods will include effective literature review, research design, data collection, analyses and reporting. Topic to be established in class with industry and student input.
P: Subject to approval of the Director of Studies, Forest Engineering.
ENFO410-24W (C) Whole Year (S1 and S2)

ENFO491 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Director of Studies, Forest Engineering.
ENFO491-24S2 (C) Semester 2

ENFO492 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Director of Studies, Forest Engineering.
ENFO492-24S1 (C) Semester 1

ENFO499 Industry Field Programme
0 Points 0.0000 EFTS
Compulsory 3rd Pro Programme Field Trip. Students will be provided with details on location, timing and companies to be visited each year at commencement of 1st Semester.
P: Subject to approval of the Head of Department.
C: ENFO410
ENFO499-24W (C) Whole Year (S1 and S2)

Postgraduate

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ENFO790 Forest Engineering PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENFO790-24A (C) Starts Anytime
ENFO790-24A (D) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Forestry

Te Kura Ngahere | School of Forestry

FORE105 Forests of the World
15 Points 0.1250 EFTS
Forests of the world, wood energy, conservation and environment.
R: FORE111, FORE121
FORE105-23SU2 (D) Summer (Nov 23)
FORE105-24S2 (D) Semester 2

FORE111 Trees, Forests and the Environment
15 Points 0.1250 EFTS
The course explores the interaction between forests and people, linking forest types and locations to their products and services. We discuss sustainable forest management, the role of forestry tackling climate change and Treaty of Waitangi obligations.
R: FORE101, FORE102, FORE103, FORE104, FORE105, FORE121
FORE111-24S1 (C) Semester 1

FORE131 Trees in the Landscape
15 Points 0.1250 EFTS
An introduction to trees and their environment. A basic understanding of environmental and climatic effects on trees will underpin methods of species selection, growing and maintaining trees and site specific management.
FORE131-24S2 (C) Semester 2

FORE141 Forest Growth and Measurements
15 Points 0.1250 EFTS
Tree measurement. Stand variables. Growth and yield modelling. Sampling. Forest Inventory. Log measurement. Surveying and area measurement. Mapping and aerial photography. Introduction to global positioning systems (GPS) and geographic information systems (GIS).
FORE141-24S2 (C) Semester 2

FORE151 Commercial Aspects of Forestry
15 Points 0.1250 EFTS
Evaluating forestry sector performance at the business and industry level. An introduction to the key commercial disciplines as they are applied to forestry. Understanding methods to assess the value of forests in providing timber and non-timber benefits. Identifying the strategic choices and issues facing the commercial forestry sector.
FORE151-24S1 (C) Semester 1

FORE200 BForSc Practical Requirements
0 Points 0.0000 EFTS
This course provides the means for students to complete the non-academic requirements for the BForSc. The requirements are completion of four field trips, completion of a Forestry General Requirements workshop; presentation of a current approved First Aid Certificate during their period study and complete 90 days of practical work experience. Students are required to provide two reports based on a minimum of 30 days of practical work experience and 30 days of professional practice. The other 30 days of work experience can be either practical or professional and confirmation of all work experience must be provided by the immediate line manager or Human Resources department of the employing company.
FORE200-24A (C) Starts Anytime
FORE200-24S1 (C) Semester 1

FORE205 Introduction to Forest Engineering
15 Points 0.1250 EFTS
History of logging and reasons for harvesting. Steps in the harvesting process; common equipment use in forest operations; machine capabilities and limitations. Developing harvesting systems, including ground-based, cable and helicopter. Introduction to harvest planning and forest roads; machine costing and system productivity. Environmental and safety aspects of forestry operations; the Resource Management Act and the Occupational Safety and Health Act. Forest hydrology; with a focus on minimising impacts of operations on water quality.

P: Subject to approval of the Chair Board of Studies
R: FORE305, ENFO343, FORE578
FORE205-24S1 (C) **Semester 1**

FORE215 Introduction to Forest Economics
15 Points 0.1250 EFTS
Forestry in the national economy. Forest industries, and forest accounting. Taxation and forestry. Forest valuation. Project appraisal, design and budgeting. Social economics.

P: FORE151 or ENGR101
FORE215-24S2 (C) **Semester 2**

FORE218 Forest Biology
30 Points 0.2500 EFTS
Systematic botany of forest trees and biology of New Zealand Indigenous forest species. Principles of ecology with an emphasis on population, community and ecosystem factors affecting New Zealand's forests. Science and management of forest pests, disease, wind, fire, biosecurity and risk.

P: FORE111 and BIOL112; or subject to approval by the Chair Board of Studies.
R: FORE202
RP: BIOL 111 (BCHM 111), and/or BIOL 113, and/or BIOL 116
FORE218-24S1 (C) **Semester 1**

FORE219 Introduction to Silviculture
15 Points 0.1250 EFTS
Classical silviculture systems: autecology; stand development and stand dynamics. Applications of tree physiology to silviculture; environmental ecophysiology; tree/soil relationships. Propagation; tree breeding systems; seed orchards; clonal forestry; molecular techniques in tree breeding.

P: BIOL 112 and BIOL 113, or FORE 111, 131 and 141.
R: PAMS202, BIOL252, FORE214
FORE219-24S2 (C) **Semester 2**

FORE222 Biometry 1a
15 Points 0.1250 EFTS
A practical introduction to commonly used statistical methods, designed to increase the breadth of statistical skills. The emphasis is the application of statistical techniques to solve problems involving real data.

P: STAT101
R: STAT201, FORE210, STAT220, STAT222
FORE222-24S1 (C) **Semester 1**

FORE224 Biometry 1b
15 Points 0.1250 EFTS
To provide a practical introduction to the fundamentals of linear regression modelling, with emphasis on application to real data and problems.

P: STAT101
R: STAT202, FORE210, STAT220, STAT224
FORE224-24S2 (C) **Semester 2**

FORE307 Plantation Silviculture
30 Points 0.2500 EFTS
Plantation silviculture: species selection, genetic improvement, clonal forestry, establishment, manipulation of stand density harvesting impacts. Integrated decision making. Management for non-wood products.

R: ENFO307 prior to 2011, ENFO492 prior to 2011
FORE307-24S1 (C) **Semester 1**

FORE316 Forest Management
30 Points 0.2500 EFTS
Forest management as decision-making. Operations Research techniques for forest management. Information requirements for forest management planning. Stand level analysis. Forest estate level analysis. Integration of the forest estate with harvesting and marketing decisions. Human factors: role and style of leadership, communication, motivation, teamwork and problem solving.

R: ENFO316, FORE316-prior to 2011, FORE319, FORE320, ENFO491-prior to 2011.
FORE316-24S2 (C) **Semester 2**

FORE327 Wood Science
30 Points 0.2500 EFTS
A key management objective of forestry is the production of wood. The course provides the student with an understanding of the chemical and biological basis of the material properties of wood, how forestry can control these and the concept of wood quality. In the second part the course we will introduce the students to the various wood processing industries, ranging from sawmilling over engineered wood products to pulping and biofuels. Reference will be made to the most suitable resource for individual products and how forest management can impact on the value of the timber.

R: ENFO327, FORE327 prior to 2011
FORE327-24S2 (C) **Semester 2**

FORE342 Geospatial Science in Forest Monitoring and Management
15 Points 0.1250 EFTS
This course explores the role and use of geospatial technologies in the context of vegetation management. Theory and practical application of geographic information system (GIS) software, global positioning system (GPS) technology, and remote sensing (e.g. satellite imagery, LiDAR) will be used to analyze and solve spatial problems in forests and other vegetated landscapes.

R: FORE442 prior to 2011
FORE342-24S1 (C) **Semester 1**

FORE414 Dissertation
30 Points 0.2500 EFTS
The student will undertake an individual investigation of a subject approved by the School of Forestry and will submit a dissertation on this topic by a date specified by the Dean of Engineering and Forestry.

P: Subject to approval of the Head of School of Forestry.
FORE414-24W (C) **Whole Year (S1 and S2)**

FORE419 Management Case Study
30 Points 0.2500 EFTS
Students, individually and in small groups, will make a comprehensive study of an actual management case and will produce and present a plan for the management of a specified forest or conservation area.

P: FORE316
FORE419-24S1 (C) **Semester 1**
FORE419-24W (C) **Whole Year (S1 and S2)**

FORE422 Forest Harvest Planning
15 Points 0.1250 EFTS
Harvest planning and analysis of harvesting systems. Machine capability and requirements. Impacts of terrain and stand variables on harvest systems. Ground-based planning including SKIDPC. Advanced cable yarding planning with CYANZ. Landing design and layout. Contract supervision and workforce management. Production planning and control systems.

P: FORE 205 (01 Jan 2010 - present) or FORE305 (01 Jan 2009 - present) or FORE305 (01 Jan 2009 - present)
R: ENFO422
FORE422-24S1 (C) **Semester 1**

FORE423 Forest Transportation and Road Design
15 Points 0.1250 EFTS
Evaluation and comparison of options for the transport of forest products. Review of soil engineering characteristics and low-cost methods to determine the bearing capacity of subgrade soils. Vehicle/road interaction. Legal regulations for heavy vehicles operating on New Zealand public roads. Forestry truck and trailer designs and their impact on load capacity and vehicle safety. Road design for forest roads and the design of low-cost water crossings and drainage structures. Application of RoadEng road design software. Cost estimation and contract management for road construction.

P: FORE205 or FORE305
R: ENFO423
FORE423-24S2 (C) **Semester 2**

FORE426 Forest Products Marketing and International Trade
15 Points 0.1250 EFTS
World forest resources. Patterns of world trade, shipping and policies of international trade. Roles of international institutions in free trade and economic integration. Trade, aid and economic development with special reference to forestry and forest industries.

FORE426-24S1 (C) **Semester 1**

FORE435 Forest Economics 2
15 Points 0.1250 EFTS
Project analysis, forest valuation, risk and uncertainty. Forestry as a business.

P: FORE215 or subject to approval of the Head of Department.
R: FORE211, FORE425
FORE435-24S2 (C) **Semester 2**

FORE436 Forest Tree Breeding
15 Points 0.1250 EFTS
Review of tree breeding and conservation in the context of applied breeding programmes. The course connects elements of economics, quantitative genetics and tree multiplication practices for the design of tree improvemement projects and the conservation of their genetic resources.
P: FORE 219, FORE222 and FORE224
R: FORE408 (2006-2007)
FORE436-24S1 (C) **Semester 1**

FORE443 Biosecurity Risk Management
15 Points 0.1250 EFTS
Biological threats to New Zealand environment and primary industries with a focus on risk identification and management systems in Forestry.
R: BIOS201
FORE443-24S2 (C) **Semester 2**

FORE447 Environmental Forestry
30 Points 0.2500 EFTS
New Zealand primary production systems; Ecosystem services from primary production systems; Cultural services provided by forests; Soil and water conservation and management; Biodiversity conservation and management; Policy, regulation, certification; Sustainable use of native forests for production; Management planning and monitoring.
P: Subject to approval to the Chair, Forestry Board of Studies
R: FORE444, FORE445, BIOL379
FORE447-24S2 (C) **Semester 2**

FORE475 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
FORE475-24S1 (C) **Semester 1**
FORE475-24W (C) **Whole Year (S1 and S2)**
FORE475-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

FORE610 Research Methods
15 Points 0.1250 EFTS
The nature of the scientific method, planning research, defining objectives, writing proposals and workplaces, experimental design and analysis, statistical procedures using R, making inferences from analyses, drawing conclusions, scientific report writing.
P: Subject to approval by the Head of School
FORE610-24S1 (C) **Semester 1**
FORE610-24S2 (C) **Semester 2**

FORE618 Wood Quality
15 Points 0.1250 EFTS
A key management objective of forestry is the production of wood. The course provides the student with an understanding of the chemical and biological basis of the material properties of wood, how forestry can control these and the concept of wood quality. This course will have a focus on fast-growing short-rotation plantation species and tropical timber.
P: Subject to approval by the Head of School.
R: FORE327, ENFO327
FORE618-24S2 (C) **Semester 2**

FORE619 Wood Processing
15 Points 0.1250 EFTS
This course introduces students to various wood processing industries, ranging from sawmilling over engineered wood products to pulping and biofuels. Reference will be made to the most suitable resource for individual products. Emphasis is given to fast-growing short-rotation plantation species and tropical timber.
P: Subject to approval by the Head of School
R: FORE327
FORE619-24S2 (C) **Semester 2**

FORE624 Plantation Silviculture
30 Points 0.2500 EFTS
In-depth coverage of all aspects of plantation silviculture from seed production through to harvesting impacts, with emphasis on decision-making.
P: Subject to approval of the Head of Department.
R: FORE631
FORE624-24S1 (C) **Semester 1**

FORE641 Plantation Forest Management
30 Points 0.2500 EFTS
Operations research techniques, Information requirements for forest management planning, Stand level analysis, Forest estate level analysis, Integration of the forest estate with manufacturing and marketing decisions, Risk & Uncertainty, Human factors.
P: Subject to approval by the Head of School.
R: FORE632, FORE633
FORE641-24S2 (C) **Semester 2**

FORE642 Advanced IT Applications in Forestry and Natural Resource Management
15 Points 0.1250 EFTS
This course illustrates how information technology can be applied to a range of forestry and vegetation management problems. Students will develop geospatial technology skills applicable to a range of natural resource management and forestry disciplines. The course includes an emphasis on using cutting edge technologies like ArcGIS software, positioning technology, and image analysis, which are of value to forest and natural resource management.
P: Subject to approval of Head of School
R: FORE342
FORE642-24S1 (C) **Semester 1**

FORE643 Modelling for Forest Management
15 Points 0.1250 EFTS
Approaches to modelling forest growth and yield. Compatible taper and volume functions. Difference equations. Modelling distributions and fitting functions. Estate simulation. Linear programming applications.
P: Subject to approval by the Head of School
FORE643-24S1 (D) **Semester 1**
FORE643-24S2 (D) **Semester 2**

FORE675 Independent Course of Study
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
FORE675-24S1 (C) **Semester 1**
FORE675-24W (C) **Whole Year (S1 and S2)**
FORE675-24S2 (C) **Semester 2**

FORE679 MForSc Report
60 Points 0.5000 EFTS
P: Subject to approval of the Head of Department.
FORE679-24A (C) **Starts Anytime**
FORE679-24S1 (C) **Semester 1**
FORE679-24S2 (C) **Semester 2**

FORE690 MForSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
FORE690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

FORE790 Forestry PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
FORE790-24A (C) **Starts Anytime**
FORE790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

French

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

FREN121 French Language Acquisition: Beginners A
15 Points 0.1250 EFTS
This is an introductory course for students who have no previous knowledge of French. It is the first course in a sequence of six French language acquisition courses offered by the Programme.
R: FREN104, FREN127, FREN120
FREN121-24S1 (C) Semester 1

FREN122 French Language Acquisition: Beginners B
15 Points 0.1250 EFTS
This is the second course in a sequence of six French language acquisition courses offered by the Programme. Students without the formal prerequisite, but with some previous knowledge of French should consult the Programme Director to determine which course is the most appropriate.
P: FREN121, or NCEA Level 2 French, or placement test.
R: FREN112, FREN218
FREN122-24S2 (C) Semester 2

FREN221 French Language Acquisition : Intermediate A
15 Points 0.1250 EFTS
This is the third course in a sequence of French language acquisition courses offered by the programme. Students without the formal prerequisite, but with some previous knowledge of French, should consult the Programme Director to determine which course is the most appropriate.
P: FREN122, or NCEA Level 3 French, or placement test.
R: FREN123, FREN111
FREN221-24S1 (C) Semester 1

FREN222 French Language Acquisition : Intermediate B
15 Points 0.1250 EFTS
This is the fourth course in a sequence of French language acquisition courses offered by the programme. Students without the formal prerequisite, but with some previous knowledge of French, should consult the Programme Director to determine which course is the most appropriate.
P: FREN221, or placement test.
R: FREN124, FREN111
FREN222-24S2 (C) Semester 2

FREN226 From Wīwī to Iwi: Comparing Cultures in the Francosphere
15 Points 0.1250 EFTS
This course explores the multifaceted Francophone World from a comparative perspective, with historical and contemporary examples of French-speaking communities and nations that exist beyond the confines of France and Europe: from Francophone Canada and North Africa to the Pacific.
P: Any 60 points at 100 level from any subject.
R: FREN326
FREN226-24S2 (C) Semester 2

FREN307 Advanced French Seminar
30 Points 0.2500 EFTS
This course is the final course in a suite of French-language acquisition courses, which prepares students for a C1 level of French under the Common European Framework of Reference. This course combines a seminar format and grammar classes/workshops, in which students acquire advanced proficiency in all aspects of language competency. The focus of this course is on balancing local and global linguistic, cultural and socio-political aspects of the French language in contemporary Aotearoa and throughout the Francosphere.
P: FREN322 or equivalent; or approval by Head of Programme.
R: FREN401
FREN307-24S2 (C) Semester 2

FREN321 French Language Acquisition: Advanced A
30 Points 0.2500 EFTS
This is the fifth course in a sequence of six French language acquisition courses.
P: FREN222
R: FREN201, FREN202
FREN321-24S1 (C) Semester 1

FREN322 French Language Acquisition: Advanced B
30 Points 0.2500 EFTS
This is the sixth course in a sequence of six French language acquisition courses.
P: FREN321
R: FREN301
FREN322-24S2 (C) Semester 2

FREN326 From Wīwī to Iwi: Comparing Cultures in the Francosphere
30 Points 0.2500 EFTS
This course explores the multifaceted Francophone World from a comparative perspective, with historical and contemporary examples of French-speaking communities and nations that exist beyond the confines of France and Europe: from Francophone Canada and North Africa to the Pacific.
P: Any 60 points at 200 level from any subject.
R: FREN226
RP: Students must have reading knowledge of French.
FREN326-24S2 (C) Semester 2

Postgraduate

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FREN401 Advanced French Seminar
30 Points 0.2500 EFTS
A language acquisition course involving advanced work in reading, writing, listening and speaking French.
P: Subject to approval of the Programme Coordinator.
FREN401-24S2 (C) Semester 2

FREN418 Special Topic
30 Points 0.2500 EFTS
French Literature and Cinema. The comparison of text and film is intended to evaluate what specifically belongs to each medium.
P: Subject to approval of the Programme Coordinator.
FREN418-24S2 (C) Semester 2

FREN422 French Translation
30 Points 0.2500 EFTS
FREN422 will explore the application of translation theories in a French-language context. Students will examine translations to and from French and English via multiple genres, techniques and methodologies, from literary to technical translations.
P: Subject to approval of the Programme Coordinator.
FREN422-24S2 (C) Semester 2

FREN444 Women/Theory/Film: Continental Theory and French Cinema
30 Points 0.2500 EFTS
This course investigates the changing place of women in film: as a glamorised spectacle and cultural commodity, as spectators and consumers, and also as creators and theorists.
P: Subject to the approval of the Head of Department.
R: TAFS406, CINE401, ENGL444
EQ: ENGL444
FREN444-24S2 (C) Semester 2

FREN480 Research Essay
30 Points 0.2500 EFTS
In this course, students explore a research topic of their choice under the supervision of an appropriate staff member, subject to approval by the programme coordinator. This course is compulsory for all Honours students.
P: Subject to approval of the Programme Coordinator.
FREN480-24S2 (C) Semester 2

FREN650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
FREN650-24A (C) Starts Anytime
FREN650-24S1 (C) Semester 1
FREN650-24S2 (C) Semester 2

FREN690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Coordinator.
FREN690-24A (C) Starts Anytime
Part-time enrolment (0.65 EFTS) is available on approval.

FREN790 French PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
FREN790-24A (C) **Starts Anytime**
FREN790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Geographic Information Science

Te Kura Aronukurangi | School of Earth and Environment

GISC101 Introduction to Spatial Data Science
15 Points 0.1250 EFTS
Spatial Data Science deals with the processing, manipulation, analysis and visualization of spatial data in a variety of forms. Spatial data are those which contain geographical coordinates enabling them to be used for spatial analysis and mapping and include, for example, images from remote sensing, coordinates collected using navigation technologies, or census information by area, among many others. Spatial data are fundamental to many geographical analyses and spatial data science draws strongly from key geographical concepts - such as Tobler's classic 1970 law: "everything is related to everything else, but near things are more related than distant things". This course provides a practical introduction to concepts and methods in data science for the analysis of spatial data. By completing the course, you will gain an understanding of the key concepts in spatial data and their collection, how to represent the environment and the world in spatial data, and the ability to apply basic spatial analysis techniques to geographic data using open source platforms such as R, QGIS, and Python. You will develop skills such as importing, manipulating, analyzing, and visualizing spatial data particularly using algorithms in R and Python. You will also develop an awareness of the current limitations and implications of geographic technology, its future development and data stewardship (particularly bi-cultural aspects of stewardship).
GISC101-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

GISC401 Foundations of Geographic Information Science
15 Points 0.1250 EFTS
Geographic Information Science (GIScience) deals with the processing, manipulation, analysis and visualization of spatial data in a variety of forms. Spatial data are those which contain geographical coordinates enabling them to be used for spatial analysis and mapping and include, for example, images from remote sensing, coordinates collected using navigation technologies, or census information by area, among many others. This course provides a practical introduction to concepts and methods in GIScience for the analysis of spatial data. In this course you will gain an understanding of key concepts in GIScience, learn how to represent the environment and the world using spatial data, and apply basic spatial analysis techniques to geographic data using programming languages. You will develop skills such as importing, manipulating, analyzing, and visualizing spatial data particularly using algorithms in R and/or Python. You will also develop an awareness of the current limitations and implications of geographic technology.
P: Entry subject to the approval of the Programme Director.
R: GISC101
GISC401-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

GISC402 GI Science Research
15 Points 0.1250 EFTS
This course has the dual purpose of educating students in the nature and breadth of GI Science research undertaken in academia, industry and government as well as to guide students in the development of a proposal to undertake their own research in GI Science. In proposal development, students will learn how to plan, execute and present a research proposal and project. Students will also be exposed to some of the social, legal and ethical issues associated with GIS research.
P: Entry subject to approval by the Programme Director.
RP: GEOG-DIGI 205 or GISC 422
GISC402-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

GISC403 Geovisual Analytics
15 Points 0.1250 EFTS
This course provides a theoretical grounding in the various ways in which geographic information can be visualised. Beyond the conventional map display, alternate representations, interfaces to geographic data, visual exploration of datasets and cartographic generalisation will be covered. The course will provide an introduction to the concepts, principles, theories and applied components of Digital Cartography and Geographic Information Systems (GIS).
P: GEOG205 or DIGI205 or GISC422 or equivalent.
GISC403-24T1 (C) **19 Feb 2024 - 30 June 2024**

GISC404 Spatial Analysis
15 Points 0.1250 EFTS
This course provides an introduction to a range of statistical techniques used in the analysis of spatial data. A comprehensive lab programme uses a variety of software packages to explore visualisation, exploratory spatial data analysis, spatial autocorrelation, point pattern analysis, spatial statistics and the modifiable areal unit problem (MAUP).
P: Subject to the approval of the Programme Director.
RP: GEOG-DIGI 205 or GISC 422 or equivalent, GEOG 323
GISC404-24S1 (C) **Semester 1**

GISC405 Environmental and Climate Data Analytics
15 Points 0.1250 EFTS
This course will develop students' ability to use open-source programming methods for problem-based geospatial analytics. The knowledge and skills learned in this course will support applications including energy, water, climate change, and hazards by interacting with meteorological and climate model outputs and transforming data into impact-based research applications.
P: GISC101 or GISC401 or equivalent.
GISC405-24S2 (C) **Semester 2**

GISC406 Remote Sensing for Earth Observation
15 Points 0.1250 EFTS
This course explores the use of data from earth orbiting satellites for monitoring and analyzing the state of the environment from local to regional scales. It provides practical experience in data analysis from a range of earth observation sensors to obtain information on surface properties in 3 dimensions. The derived information can be used for further analysis in Geographic Information Systems.
P: GEOG205, GEOG208
R: GEOG407
GISC406-24S1 (C) **Semester 1**

GISC412 Spatial Data Science
15 Points 0.1250 EFTS
This course introduces students to the field of spatial data science and is designed to develop students' understanding of some fundamental algorithms and code libraries that are used to manipulate, analyse, and map spatial data, and to explore how they are implemented in software. Students will use Python and Javascript programming languages. The course is largely lab and project based, with context and theoretical frameworks presented in lectures and tutorials in order to guide hands-on development.
P: GISC 401 or COSC121 or COSC480 or equivalent
GISC412-24S2 (C) **Semester 2**

GISC415 Geographic Information Systems (GIS) Internship
15 Points 0.1250 EFTS
This course allows students to utilize knowledge gained from the PGDipGST/PMGST postgraduate courses within business, government and non-profit organisations wihile gaining career-related work experiences, exploring compatibility with specific careers and companies, and becoming more mature professionally. Sponsorship for internship positions may be available.
P: Entry is limited to students enrolled in the PMGST degree and subject to the approval of the Programme Director
R: Subject to the approval of the PMGST Director against normal or previous employment
GISC415-24S2 (C) **Semester 2**

GISC690 MSc Thesis
120 Points 1.0000 EFTS
MSc Thesis in Geospatial Science and Technology
P: Subject to approval of the Head of Department.
RP: GISC402, GISC404, GISC405, GISC412
GISC690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

Geography

Te Kura Aronukurangi | School of Earth and Environment

GEOG106 Global Environmental Change
15 Points 0.1250 EFTS

An exploration of major environmental changes happening at the global scale. With a particular focus on climate, ice, freshwater, and ocean processes, we investigate how geospatial monitoring and other tools are used to address global environmental challenges. We look at how human activities are interacting with Earth systems, and aim to empower people to improve environmental and societal resilience at a range of scales.

R: GEOG103

GEOG106-24S2 (C) **Semester 2**

GEOG110 People, Places and Environments
15 Points 0.1250 EFTS

This course draws on the insights of human geography to deepen your understanding of how people make places and shape environments. We examine the economic, social and cultural processes that create contemporary places and also consider their possible futures. Through practical work, you will learn some of the key methods and techniques available for describing and analyzing how places change.

R: GEOG107

GEOG110-24S1 (C) **Semester 1**

GEOG201 Environmental Processes: Principles and Applications
15 Points 0.1250 EFTS

The course explores the fundamental principles and applications of knowledge related to the surface of the earth in the sub-disciplines of geomorphology, climatology and hydrology. Systems studied include landforms, glaciers, climate, and rivers. The main objective of the course is to explain the spatial and temporal characteristics, and the interaction between these systems in an interdisciplinary manner by drawing extensively from New Zealand examples.

P: Any 30 points of 100-level Geography, or entry with approval of the Head of Department
R: GEOG201 prior to 2009.

GEOG201-24S1 (C) **Semester 1**

GEOG205 Introduction to Geographic Information Systems and Science
15 Points 0.1250 EFTS

Geographic Information Systems (GIS) provide the tools for gathering, managing, analysing and presenting spatial information in an intuitive and graphical way. This course provides students with an introduction to the fundamental concepts, principles and techniques of GIS.

P: 45 points at 100-level or above, from any degree schedule.
R: DIGI205 and GISC422

GEOG205-23SU2 (C) **Summer (Nov 23)**
GEOG205-24S1 (C) **Semester 1**

GEOG208 Remote sensing for geospatial analysis
15 Points 0.1250 EFTS

This course provides an introduction to remote sensing data for geospatial analysis. Students will develop skills for the acquisition of data from unmanned aerial vehicles (UAVs) and satellites. Practical work focuses on the preparation of data for use in a Geographic information system (GIS), while laboratory exercises will introduce a range of analytic software that can be used to prepare and examine remotely sensed data.

P: Any 30 points of 100-level Science, Engineering or Commerce
R: GEOG313

GEOG208-24S2 (C) **Semester 2**

GEOG209 Environmental Science and Resource Management
15 Points 0.1250 EFTS

This course explores the debates and issues in environmental science and resource management around the core theme of agriculture and the environment. There is an emphasis on developing solutions to environmental issues. The course takes a quantitative approach to environmental issues, teaching students to make informed decisions that integrate biophysical data with policies and practices of management in New Zealand and global contexts. Students will learn to recognise patterns and processes in agricultural environments, and gain an understanding of how those patterns and processes influence and are influenced by resource management decisions. Students will develop an awareness of biculturalism in Aotearoa New Zealand as it applies to environmental issues associated with agriculture, recognising that Māori values may be distinct to regulatory guidelines regarding environmental quality. Mātauranga Māori aspects of agriculture and the environment will be covered.

P: (GEOG110 and GEOG106) or (ENVR101 and GEOG106) and 15 points of CHEM, GEOL or BIOL. OR entry with approval of the Head of School.
R: GEOG206, ENVR201, ENVR209
EQ: ENVR209

GEOG209-24S2 (C) **Semester 2**

GEOG211 Mountain Weather and Climates
15 Points 0.1250 EFTS

This course provides a field and practical based approach to understanding contemporary mountain climates. Investigating how mountains modify weather systems and impact the local climate is essential in forecasting how New Zealand will be impacted by climate change. The course is centered on lectures and a residential field trip to the Cass Basin, Arthurs Pass. The learning is mostly project oriented and includes the development of a project from the initial idea, through the development of the skills and techniques required to conduct the fieldwork and produce a written project report. Assessment is based on a combination of assessed practicals and the field work research project report.

P: GEOG106 or ENVR101 or 15 points from CHEM, PHYS, GEOL, BIOL, ASTR, MATH at 100-level

GEOG211-24S1 (C) **Semester 1**

GEOG213 The EU, Globalization and Migration
15 Points 0.1250 EFTS

This course addresses international migration as one of the most pressing and formative issues which shape both European integration, and the relationships of Europe with the rest of the world. It addresses the economic, social, political and policy aspects of international migration in the changing EU and global contexts. The course has particular resonance for students in New Zealand, a country whose society has substantially been shaped by migration to and from Europe and the rest of the world.

P: Any 30 points of 100-level Geography, or any 90 points approved by the Head of Department.
R: EURO223, EURA223
EQ: EURA223

GEOG213-24SU1 (C) **Summer (Jan 24)**

GEOG215 Environmental Hazards and Disasters
15 Points 0.1250 EFTS

This course provides an understanding of environmental hazards and disasters, with a particular focus on flooding and coastal hazards and the related impacts on human communities. Examples will be drawn from New Zealand, which will include a consideration of Māori experiences of and responses to disasters, and from overseas.

P: 30 points of Geography or Geological Sciences at 100 level; or 30 points from Science, Arts, Commerce, or Engineering.
R: GEOG305

GEOG215-24S2 (C) **Semester 2**

GEOG217 Places for Wellbeing and Flourishing
15 Points 0.1250 EFTS

An examination of how places shape human wellbeing and flourishing, in both positive and less than positive ways. With a focus on settler colonial nations, we will examine the significant variations that exist between places in terms of the housing, work, education and support opportunities available within them. We consider the impact of these variations for local wellbeing and flourishing, noting the uneven experiences of particular social groups. We also examine place-based interventions that may support local wellbeing and flourishing, and selection of methods to evaluate these interventions. The course draws on the insights of human geography and engages with the contemporary lived experience of places in Aotearoa New Zealand and beyond.

P: Any 30 points at 100 level from any subject, normally including GEOG110 or GEOG106.

GEOG217-24S2 (C) **Semester 2**

GEOG222 Transport, Urban Development and Wellbeing
15 Points 0.1250 EFTS

Nau mai ki GEOG222 - welcome to GEOG222. Transport fundamentally shapes our communities and affects our wellbeing. This course examines the role and influence of transport in shaping our towns and cities, and affecting our personal wellbeing. The course will have a particular focus on how transport and urban development can help face challenges like climate change. The course will also look at issues related to Māori, for example, how has urbanisation affected their wellbeing. As well as gaining increased understanding of transport, urban development and wellbeing through traditional learning approaches, students will also learn from transport, urban development and health professionals. They will develop a range of practical, applied and transferrable skills by addressing real world problems and present findings in both written and oral formats.

P: 45 pts of 100 level including GEOG110 or GEOG106

GEOG222-24S1 (C) **Semester 1**

GEOG309 Research for Resilient Environments and Communities
30 Points 0.2500 EFTS

This course will develop your ability to undertake research that supports resilient environments and communities. Drawing on problem-based and service learning approaches, you will design and complete a research project in collaboration with a community partner. The training, practice and critical evaluation of the research will be carried out in groups, and you will communicate your research findings using spoken, numerical and written skills. The course begins with a short fieldtrip, and then progresses through occasional lectures and regular project group meetings, supported by web-based resources. It concludes with a public conference. The emphasis is on students working together to solve real world problems using skills that are transferable to the workplace.

P: 30 points of GEOG at 200 level, or ENVR209/GEOG209 and ENVR210
R: GEOG204, GEOG303

GEOG309-24S2 (C) **Semester 2**

GEOG310 Weather Systems
15 Points 0.1250 EFTS
This course examines the processes responsible for day to day weather variations, and the operational techniques used in their analysis and forecasting. This includes both research and operational approaches to the study of synoptic scale weather systems and their impact. The processes studied include those that have an influence on the generation and decay of weather systems, but also those that affect the weather experienced in a local area, such as Canterbury. The emphasis is on factors important in short term weather changes, including stability/instability and atmospheric motion. These factors are studied in relation to air mass changes, as well as the effects of topography. Links between the general and synoptic scale atmospheric circulation are also studied, along with the effects of longer term change, such as the ENSO cycles.

P: GEOG211 and 15 points from Schedule S to the BSc
GEOG310-24S2 (C) Semester 2

GEOG311 Coastal Studies
15 Points 0.1250 EFTS
This course explores the processes that form and change coastal environments in New Zealand, the Pacific and worldwide. Topics examined include a selection of: sea level change today and into the future, waves and currents, the role of sediments in how beaches work to protect land and interact with oceans, plus sessions focussed on the wonders and practical realities of wetlands, tropical reefs, and human interactions with coastal environments. You will gain an understanding of models of the coastal zone, as well as an experience of field methods and laboratory techniques used in coastal investigations. The course was developed based on direct industry feedback and involvement. There is also an optional one-day field-trip, where there is an opportunity to put your learnings into practice and measure waves, currents and beach profiles, and to collect sediment and ecological data for analysis in labs, all using up-to-date professional techniques.

P: 30 points of 200-level Geography, including GEOG201, or in special cases with approval of the Head of Department.
GEOG311-24S1 (C) Semester 1

GEOG312 Snow, Ice and Climate
15 Points 0.1250 EFTS
This course examines the physical processes involved with the formation and evolution of mountain glaciers and seasonal snow, including processes such as surface mass balance, dynamics and hydrology. The course develops knowledge by drawing on key research, and encourages students to critically evaluate published work. The supporting lab programme will enable students to develop a range of transferable skills by working with real data and equipment, for example, ground penetrating radar (GPR), snowpit analysis, and simple glacier models.

P: 30 points of 200-level Geography and a further 15 pts at 200-level from any of GEOG, ENVR, GEOL, ANTA, WATR, BIOL, or in special cases with approval of the Head of School.
GEOG312-24S2 (C) Semester 2

GEOG321 European Integration From Community to Union
30 Points 0.2500 EFTS
The course is designed to introduce students to the process of European integration that has transformed post-1945 Europe and seen the European Union emerge as a new global power. The course draws on an inter-disciplinary approach and is focused on policy analysis.

P: One of: (a) 15 points with a B average in any Arts subject; or (b) any 15 points in GEOG at 200 level; or (c) 15 points of EURO at 200-level with a B Pass: or (d) 30 points of EURO at 200-level; or (e) any 45 points from the Arts Schedule at 200-level.
R: EURO210, EURO310, EURA210, EURA310
EQ: EURA310
GEOG321-24S1 (C) Semester 1

GEOG323 Geospatial Analysis in the Social and Environmental Sciences
15 Points 0.1250 EFTS
This course provides an introduction to spatial analysis, an important tool for exploring, analysing, modelling and visualising geospatial data. Students will acquire the knowledge and skills necessary to investigate and understand spatial patterns resulting from social and physical processes operating on the surface of Earth, such as epidemics, crime and pollution. A variety of software packages will be introduced and used to explore different aspects of spatial analysis. A number of issues inherent to dealing with spatial data, such as the ecological fallacy and modifiable areal unit problem (MAUP), will also be highlighted.

P: 30 points of 200-level Geography, including GEOG205, or in special cases with approval of the Head of Department.
GEOG323-24S1 (C) Semester 1

GEOG324 Web GIS and Geoinformatics
15 Points 0.1250 EFTS
This course builds on GEOG205 Introduction to GIS, delving deeper into the nuts and bolts of how GIS work and advancing students' knowledge and skills in geographic data management, geographic information systems design, geographic information visualisation, and human computer interaction from a geoinformatics perspective. GEOG324 is a technical, largely lab- and project-based course, where students will use a mix of proprietary and open source GIS software to gain advanced skills in GIS, focusing on Web GIS applications. Students will learn how databases are used to store geographic information, and gain practice in the creation of dynamic web maps and Internet-based spatial analysis. There is also a research component to the course in order to ensure students are aware of the research landscape in geographic information science (GIScience) and are able to critically analyse work undertaken in GIScience.

P: 30 points of 200-level Geography, including GEOG205, or in special cases with approval of the Head of Department. Recommended preparation: COSC121, or equivalent introductory programming course.
RP: COSC121, or equivalent introductory programming course.
GEOG324-24S2 (C) Semester 2

GEOG325 Health, Wellbeing and Environment
15 Points 0.1250 EFTS
Human health and wellbeing are profoundly shaped by the environments in which we live. This course examines the influence of the physical, built and social aspects of the environment on health and wellbeing. In addition to gaining increased understanding of health-environment interactions, students will develop skills in tracking environmental exposures and in presenting research findings in both written and oral formats.

P: 30 points of Geography at 200 level; or 30 points from Science, Arts or Health Sciences.
R: GEOG322
GEOG325-24S1 (C) Semester 1

GEOG351 Rethinking Development
15 Points 0.1250 EFTS
This course explores the ways in which people across the globe are building community economies based on ethical concerns for more sustainable and equitable futures. It will provide students with a theoretical basis for rethinking economies and some practical skills in organising for community -based development interventions.

P: Any 30 points of 200 level Geography, or approval of the Head of Department.
R: GEOG212
GEOG351-24S2 (C) Semester 2

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

GEOG401 Wellbeing, Community and Place
30 Points 0.2500 EFTS
This course explores how health and wellbeing are shaped by our natural, built and social environments, in complex and sometimes unexpected ways. We will draw on a range of research to examine the connections between wellbeing, community and place.

P: Entry subject to approval of the Head of Department.
R: GEOG452
GEOG401-24S2 (C) Semester 2

GEOG402 Resilient Cities
30 Points 0.2500 EFTS
This course explores the contemporary and pressing issue of urban development. The course focuses on geographical issues related to urban planning for resource use and infrastructure, including energy use, transport networks and green development. It includes a focus on the growing need for cities to be resilient to the many challenges they face. The course includes an applied and practical element, conducted in collaboration with local government officials and communities.

P: Entry subject to approval of the Head of Department.
R: GEOG446
GEOG402-24S1 (C) Semester 1

GEOG404 Resource and Environmental Management (REM) in New Zealand
30 Points 0.2500 EFTS
This course provides a deep and yet practical understanding of the processes involved in resource and environmental management in New Zealand, including the principles of kaitiakitanga. It aims to enable students to engage actively with the realities of the application of the Resource Management Act, and to be able to apply existing knowledge of environmental and/or human processes to the solution of environmental management problems. The course will be of interest to students with a wide variety of geographical backgrounds, as well as to engineers, lawyers, and those considering a career related to resource use.

P: Entry subject to approval of the Head of Department.
R: GEOG444
GEOG404-24S2 (C) Semester 2
Limited entry. See limitation of entry regulations.

GEOG409 Coasts and Rivers: from Natural Processes to Urban Environments
30 Points 0.2500 EFTS
This course explores coastal and fluvial geomorphic processes and how they interact with urban environments. Understanding these processes is essential for effective resource and environmental management, as well as for building resilient settlements. Core topics will include river and coastal geomorphology; hydrology and hydrodynamics; flooding from coastal, fluvial and pluvial sources; catchment processes; river mouth environments; sea level rise; theoretical and numerical modelling; human use of coasts and rivers; and laboratory and research methods in coastal and river science. Examples will be drawn from New Zealand, the Pacific, and worldwide.

P: Entry subject to approval of the Head of Department.
R: GEOG437
GEOG409-24S1 (C) Semester 1

GEOG412 Alpine Environments
15 Points 0.1250 EFTS
Alpine environments are harsh and dynamic, yet they can also be foci of human activity. In order to make decisions about activity and infrastructure in these environments people first need to understand how physical processes in these environments interact. For example, avalanche hazard is a result of complex interactions between snow accumulation, weather conditions, topography, and human activity. Future water storage will be influenced by long-term climate trends, topography, infrastructure and demand for water. Therefore in addition to understanding physical processes, to manage resources and activities in alpine environments, people also need an understanding of cultural values, and various policies and legislation that help govern development and activities.

P: Entry subject to approval of the Head of School
R: GEOG408 and GEOG410
GEOG412-24S2 (C) **Semester 2**

GEOG420 Research Project
30 Points 0.2500 EFTS
This course represents the Research Project component of the Honours programme. A research topic will be chosen in discussion with a possible staff supervisor, a proposal developed and approved, and a written research report completed. This is a whole year course and work is done for the project across both semesters. Various milestones are included through the year including proposal development and oral progress reports.

P: Entry subject to approval of the Head of Department.
R: GEOG480, GEOG490, GEOG481, GEOG491
GEOG420-24W (C) **Whole Year (S1 and S2)**
GEOG420-24CY (C) **Cross Year**

GEOG660 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation

P: Subject to approval of the Head of Department.
GEOG660-24A (C) **Starts Anytime**
GEOG660-24S1 (C) **Semester 1**
GEOG660-24S2 (C) **Semester 2**

GEOG690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
GEOG690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

GEOG692 Community or Workplace Based Project
60 Points 0.5000 EFTS
Masters project, undertaken in collaboration with a community or organisational partner.

P: Subject to approval of the Head of Department.
GEOG692-24A (C) **Starts Anytime**
GEOG692-24X (C) **01 July 2024 - 09 Feb 2025**

GEOG693 Geospatial Science and Technology Project
60 Points 0.5000 EFTS
Masters project in Geography

P: GISC402
GEOG693-24X (C) **28 Oct 2024 - 09 Feb 2025**

GEOG695 MSc Thesis
120 Points 1.0000 EFTS
The thesis shall normally be completed and presented to the Registrar within a 12 month period. Students must consult the M.A. or M.Sc. Regulations for details of the other requirements for the degree.

P: Subject to approval of the Head of Department.
GEOG695-24A (C) **Starts Anytime**

GEOG697 Community Based Thesis
90 Points 0.7500 EFTS
Masters community placement and thesis, undertaken in collaboration with a community or organisational partner.

P: Subject to approval of the Head of Department.
GEOG697-24A (C) **Starts Anytime**

GISC422 Foundations of Geographic Information Systems and Science
15 Points 0.1250 EFTS
Geographic Information Systems (GIS) provide the tools for gathering, managing, analysing and presenting spatial information in an intuitive and graphical way. This course provides students with an introduction to the fundamental concepts, principles and techniques of GIS.

R: GEOG205; DIGI205
RP: Undergraduate degree or diploma
GISC422-23SU2 (C) **Summer (Nov 23)**
GISC422-24S1 (C) **Semester 1**

GEOG790 Geography PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
GEOG790-24A (C) **Starts Anytime**
GEOG790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Geology

Te Kura Aronukurangi | School of Earth and Environment

GEOL101 Building Planet Earth: Fundamentals of Earth Science
15 Points 0.1250 EFTS
Welcome to Te Kura Aronukurangi | School of Earth and Environment at Te Whare Wananga o Waitaha | University of Canterbury. In this introductory course, we aim to provide you with a basic understanding of how Earth and its materials have developed through deep time. Since the birth of the Earth 4.55 billion years ago the only constant has been change. The oceans and atmosphere, the distribution of the continents and the life that they support are all part of an interactive system that makes Earth unique. In this course you will learn about the essential building blocks of Earth (minerals and rocks) and the processes that are responsible for how they form and change through time. In addition this course teaches you how to read the stories that the rocks are telling us and decipher key events in the evolution of life on Earth through the fossil record. Building Planet Earth gives you the opportunity to explore how our unique planet works and has sustained life, by showcasing our Zealandia continent. Aotearoa | New Zealand, on the active margin of the Pacific with its volcanoes, earthquakes, dramatic geomorphology, and 500 million years of geological history, is one of the best places on Earth to study geological processes.

R: GEOL111
GEOL101-24S1 (C) **Semester 1**

GEOL102 Environmental Earth System Science
15 Points 0.1250 EFTS
This course provides foundational knowledge, understanding and practical skills aligned to complex challenges of the modern era from an Earth Science perspective. We currently face a number of critical problems that result from the complex interaction of Earth Systems that have no simple solution. Such challenges are known as 'Wicked Problems'. From an Earth Science perspective, wicked problems include the modern period of human-induced climate change, access to critical resources, and the risk posed from natural hazards such as earthquakes, volcanic eruptions and landslides. This course explores these problems and outlines the geologic approaches available to help better understand these problems. The course will develop fundamental geologic skills including geoscientific data collection, analysis and visualisation, hazard analysis, spatial mapping, and written communication. Upon completion of this course, you will have acquired an appreciation for the role geoscience plays in creating, understanding and mitigating some of the most pressing issues facing humanity today, including * Rock and mineral derived contaminant cycling * Geologically derived carbon cycling and climate change * Hydroclimate, water resources and geosphere-hydrosphere-anthrosphere interactions * Novel metal resources * Plate tectonics; mountain building; faulting & folding * Natural hazards; earthquakes; landslides; tsunamis; volcanoes * Disaster risk; human-earth system interactions

R: GEOL113; GEOL115
GEOL102-24S2 (C) **Semester 2**

GEOL237 Special Topic
15 Points 0.1250 EFTS
Students may only enrol in this Special Topic course on the advice of the Department of Geological Sciences.

P: Subject to approval of the Head of Department.
GEOL237-24S1 (C) **Semester 1**
GEOL237-24S2 (C) **Semester 2**

GEOL240 Field Studies A - Mapping
15 Points 0.1250 EFTS
Geological mapping involves the observation, recording, presentation and interpretation of field data, all fundamental skills required by practising geologists. Students enrolling in GEOL240 will complete laboratory classes and prepare a geologic map, cross-section, and written report for the Island Hills area of North Canterbury based on field data collected on a fieldtrip held during semester break.

P: GEOL101 and GEOL102, GEOL111 and 15 points at 100 level from GEOL
C: 15 points from any of GEOL242-246 offered in the same semester
GEOL240-24S1 (C) **Semester 1**

GEOL241 Field Studies B - Field Techniques
15 Points 0.1250 EFTS
Geological mapping involves the observation, recording and interpretation of field data, and is a fundamental skill required by all practicing geologists. GEOL 241 introduces field techniques applied to metamorphic, igneous and sedimentary rocks, and rock deformation structures, through laboratory classes and field work completed during the August/September semester break.

P: GEOL111 and any 15 points at 100 level from GEOL.
C: 15 points from any of GEOL242-246 offered in the same semester
R: GEOL231

GEOL241-24S2 (C) **Semester 2**

GEOL242 Rocks, Minerals and Ores
15 Points 0.1250 EFTS
An introduction to mineralogy, igneous and metamorphic petrology, and related ore deposits, and their use in interpretation of geological environments. Students will be introduced to geologic processes sensitive to pressure, temperature and volatile availability, including magma crystallisation and gold mineralisation.

P: GEOL101 and GEOL102 OR GEOL111 and 15 points at 100 level from GEOL

GEOL242-24S1 (C) **Semester 1**

GEOL243 Depositional Environments and Stratigraphy
15 Points 0.1250 EFTS
This course focuses on modern sedimentary environments, oceanography and marine organisms as a key to interpreting depositional environments, and the techniques and approaches that allow geologist to deal with geological time. The fundamental underpinning is stratigraphy, and using sedimentary features and fossils as palaeoenvironment indicators, with particular attention paid to New Zealand examples.

P: GEOL101 and GEOL102 OR GEOL111 and 15 points at 100 level from GEOL

GEOL243-24S1 (C) **Semester 1**

GEOL244 Structural Geology and Global Geophysics
15 Points 0.1250 EFTS
Nature and origin of structures produced by deformation in the Earth's crust, and material properties of rocks that affect the way in which they respond. Practical geometric methods associated with deriving and representing the three dimensional form of structures commonly encountered in geological practice, and synthesis of tectonic settings. This course also covers large-scale geometry and processes of plate tectonics, and topics in global geophysics linked to current observation and plate tectonic theory.

P: GEOL101 and GEOL102 OR GEOL111 and 15 points at 100 level from GEOL

GEOL244-24S2 (C) **Semester 2**

GEOL246 Earth Surface Dynamics
15 Points 0.1250 EFTS
Earth surface behaviour is a primary interface between geology and society. Knowledge and cultural perspectives of that behaviour therefore inform societal behaviour and development. This course will provide students with the opportunity to acquire the knowledge, skills and attitudes needed to be able to investigate and report on the sustainability of proposed site-specific land-uses in the context of future dynamic Earth surface system behaviours.

P: 30 points from GEOL, MATH, EMTH, ENVR, PHYS at 100 level, or (GEOG106 and 15 points from GEOL, MATH, EMTH, ENVR, PHYS at 100 level). .
RP: GEOL111; GEOL113; GEOG106; 100-level MATH

GEOL246-24S2 (C) **Semester 2**

GEOL331 Principles of Basin Analysis
15 Points 0.1250 EFTS
An introduction to the principles, methods and tools of basin analysis.

P: GEOL243 and any 15 points at 200 level from GEOL

GEOL331-24S2 (C) **Semester 2**

GEOL338 Engineering and Mining Geology
15 Points 0.1250 EFTS
Principles and practices of geology associated with engineering and mining activities.

P: GEOL242 and GEOL246

GEOL338-24S2 (C) **Semester 2**

GEOL339 Special Topic
15 Points 0.1250 EFTS
Students may only enrol in this Special Topic course on the advice of the Department of Geological Sciences.

P: Subject to approval of the Head of Department

GEOL339-24S1 (C) **Semester 1**

GEOL340 Special Topic
15 Points 0.1250 EFTS
Students may only enrol in this Special Topic course on the advice of the Department of Geological Sciences.

P: Subject to approval of the Head of Department

GEOL340-24S1 (C) **Semester 1**
GEOL340-24S2 (C) **Semester 2**

GEOL342 Special Topic
15 Points 0.1250 EFTS
Students may only enrol in this Special Topic course on the advice of the Department of Geological Sciences.

P: Subject to approval of the Head of Department

GEOL342-24S1 (C) **Semester 1**

GEOL343 Special Topic
15 Points 0.1250 EFTS
Students may only enrol in this Special Topic course on the advice of the Department of Geological Sciences.

P: Subject to approval of the Head of Department

GEOL343-24S1 (C) **Semester 1**
GEOL343-24S2 (C) **Semester 2**

GEOL345 Groundwater and Geothermal Systems
15 Points 0.1250 EFTS
This course provides an introduction to water in the subsurface environment. The emphasis is on the common unifying concepts that underlie the two main topics covered - groundwater and geothermal systems - and the linkages and differences between them. In addition to the concepts, the students will learn how to observe, measure and/or estimate key parameters, e.g. flow through porous and fractured media, interaction with surface water/springs, and the effects on these parameters from human exploitation (pumping and production). For geothermal systems, this will encompass the liquid and gas phases of water and how surface measurements can provide insights into the deep reservoir. Learning concepts, processes and parameters in groundwater and geothermal systems will be contextualised by the global significance of water and renewable energy resources, and how these are valued and managed in Aotearoa (including matauranga and kaitiakitanga perspectives) and the Pacific.

P: Any 100 level GEOL course. MATH101 or equivalent is highly recommended.
RP: MATH101 or its equivalent is highly recommended.

GEOL345-24S1 (C) **Semester 1**

GEOL351 Advanced Field Techniques
15 Points 0.1250 EFTS
Extended field work and related exercises aimed at broadening geological experience in the understanding and interpretation of rocks at outcrop, field map, and regional scales.

P: (1) GEOL 240 and GEOL 241, and (2) GEOL243 (3) 30 points from other GEOL 200-level courses.
C: 15 points from GEOL331-357 offered in the same semester.

GEOL351-24S1 (C) **Semester 1**

GEOL352 Advanced Field Mapping
15 Points 0.1250 EFTS
Extended field mapping and related exercises aimed at broadening geological experience in the understanding and interpretation of rocks at outcrop, field map, and regional scales.

P: (1) GEOL 240 and GEOL 241, and (2) GEOL244 (3) 30 points from other GEOL 200-level courses.
C: 15 points from GEOL331-357 offered in the same semester.

GEOL352-24X (C) **29 Jan 2024 - 23 June 2024**
This course involves fieldwork that takes place in February.

GEOL354 Geodynamics and Geohazards
15 Points 0.1250 EFTS
This inter-disciplinary course focuses on the dynamics of potentially hazardous geological events and the connections between geodynamics and societal risk.

P: GEOL102; any 30 points from GEOL244, GEOL246, or GEOG215.

GEOL354-24S1 (C) **Semester 1**

GEOL356 Field-focused Research Methods
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
R: ENVR356

GEOL356-24X (C) **12 Feb 2024 - 02 June 2024**
GEOL356-24X2 (C)
This course involves fieldwork that takes place in January and February.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

GEOL470 Research Project
30 Points 0.2500 EFTS

This course will comprise a research project under the guidance of a chosen supervisor. The research project will be of an appropriate size for 30 points and may include summer field work. The results will be written up in a project report and will be presented as a talk to the department.

P: GEOL351, GEOL352 and 60 points from GEOL300 level courses.
C: 90 points from GEOL400 level choices or relevant 400 level courses from other departments with Head of Department approval
R: GEOL490
RP: BSc in Geology

GEOL470-24A (C) **Starts Anytime**

Limited entry. See limitation of entry regulations.

GEOL473 Structural Geology
15 Points 0.1250 EFTS

This course will focus on tectonic and structural aspects of convergent and divergent plate margins. It will give an overview on subduction zones, collisional orogens as well as extensional margins and rift. We will be seeking to discover what structural geology can tell us about mountain building processes, relationships between deformation and metamorphism and the feedback between tectonics and climate.

P: Subject to approval of the Head of Department.

GEOL473-24S2 (C) **Semester 2**

GEOL474 Igneous Petrology and Geochemistry
15 Points 0.1250 EFTS

This course will concentrate on the geochemical aspects of igneous petrology. At every stage we will be seeking to discover what magma chemistry can tell us about the nature of igneous processes and the relationships between igneous rocks. Following coverage of "core material" we will discuss particular igneous processes, the petrogenesis of certain rock suites and select some of the "hot topics" in igneous petrology.

P: Subject to approval of the Head of Department.

GEOL474-24S1 (C) **Semester 1**

GEOL476 Physical Volcanology
15 Points 0.1250 EFTS

This course aims to provide students with an understanding of the physical processes that influence volcanic deposits resulting from both effusive and explosive eruptions. Topics range from the magma reservoir and conduit to the final resting place of volcanic deposits and specifically include the physical properties of magmas, dynamics of lava flows and domes, structure and origin of calderas, explosive eruptions, pyroclastic flows and surges, debris avalanches, lahars, submarine volcanism and magmatic hydrothermal/geothermal systems. There is a compulsory field trip for this course run early in February.

P: Subject to approval of the Head of Department.

GEOL476-24X (C) **15 Jan 2024 - 23 June 2024**

GEOL478 Sedimentary Facies and Basin Analysis
15 Points 0.1250 EFTS

This course will focus on depositional facies in different types of sedimentary basins. Sedimentary systems respond to tectonically controlled basin structures which also affect subsidence and basin geometry. Tectonic setting also determines the prevalence of volcanism which can interact with sedimentary processes. Seminar topics will be based on depositional settings and put into the context of tectonic setting with an emphasis on how it can be applied to petroleum systems. As such, understanding basin geometry and the response of sedimentary processes to basin bounding structures will frame the discussion. Day trips in the field will look at outcrop from a petroleum systems perspective. Seminars will be structured around topics that will vary depending on student interests.

P: Subject to approval of the Head of Department.

GEOL478-24S2 (C) **Semester 2**

GEOL479 Active Tectonics and Geomorphology
15 Points 0.1250 EFTS

Active deformation is explored in this course, introducing the criteria by which active deformation can be identified and located. The emphasis is on the interaction between tectonic and other geomorphic processes in shaping the landscape and the way in which the nature of the underlying deformation can be identified and quantified from an analysis of topography.

P: Subject to approval by the Course Coordinator;
RP: Meet requirements for entry to DRRE, ENGE, or MCivilEng 400-level courses.

GEOL479-24S2 (C) **Semester 2**

GPA at 300 level - 6.0 in 60 points at 300 level in GEOL or ENCN. Prefer at least 15 points from STAT101, COSC121 or MATH.

GEOL483 Environmental Geology and Mining
15 Points 0.1250 EFTS

Environmental geology is a wide field which applies geological and geochemical principles to environmental management. Even in the age of climate change awareness, the majority of the world's energy still comes from fossil fuels, the use of which presents many challenges, not only in exploration but also in the downstream environmental effects. In addition, green technology requires mining for precious metals which will continue or even increase. Electric vehicles require 3.6 times more copper than internal combustion engine cars. Other metals in demand include zinc, lithium, nickel and aluminium, among others. The downstream environmental effects, risks and consequences of mining for these resources should be understood and be part of managing anthropogenic effects on the environment. This course explores these fields largely in the context of mineral extraction activities.

P: Subject to approval of the Head of Department.

GEOL483-24S2 (C) **Semester 2**

GEOL484 Special Topic
15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

GEOL484-24S2 (C) **Semester 2**

GEOL485 Special Topic
15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

GEOL485-24S1 (C) **Semester 1**

GEOL491 Independent Course of Study
15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

GEOL491-24A (C) **Starts Anytime**

GEOL493 Unravelling Environmental Histories
15 Points 0.1250 EFTS

Recent geological histories of Canterbury will be investigated via a lab-based collaborative research project utilizing palaeontological data along with sedimentological and chemical records. It is recommended for all students interested in palaeontology, environmental science or Quaternary sciences.

P: Subject to the approval of Head of School

GEOL493-24S1 (C) **Semester 1**

GEOL690 MSc Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

GEOL690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

GEOL790 Geology PhD
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

GEOL790-24A (C) **Starts Anytime**
GEOL790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

German

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

GRMN151 Elementary German Language A
15 Points 0.1250 EFTS

German language course for beginners, i.e. students with no knowledge of German, based on the communicative approach.

R: GRMN106, GRMN114

GRMN151-24S1 (C) **Semester 1**
GRMN151-24S1 (D) **Semester 1**

GRMN152 Elementary German Language B
15 Points 0.1250 EFTS

A German language course that follows on from GRMN 151, based on the communicative approach.

P: GRMN151, 20 Level 2 NCEA credits, or placement test.
R: GRMN115, GRMN106

GRMN152-24S2 (C) **Semester 2**
GRMN152-24S2 (D) **Semester 2**

GRMN251 Intermediate German Language and Culture A
15 Points 0.1250 EFTS
This is the first of two intermediate German language courses. This course aims at extending vocabulary and grammatical structures which will be used to discuss and write about simple topics in contemporary German and German-speaking culture and society.
P: GRMN152, or 20 credits at NCEA Level 3 German, or a placement test. Note: Students with Level 2 NCEA should apply to take an online placement test.
R: GRMN108, GRMN117
GRMN251-24S1 (C) **Semester 1**
GRMN251-24S1 (D) **Semester 1**

GRMN252 Intermediate German Language and Culture B
15 Points 0.1250 EFTS
This is the second of two intermediate German language courses. This course extends the reading, writing and discussion skills acquired in GRMN251 and places greater emphasis on writing and reading skills, including the reading of short stories.
P: GRMN251, or placement test. Note: The course assumes a relatively high level of proficiency in German language. Even well prepared high school students should therefore enrol in GRMN251.
R: GRMN108, GRMN118
GRMN252-24S2 (D) **Semester 2**
GRMN252-24S2 (C) **Semester 2**

GRMN351 Advanced German Language and Culture A
30 Points 0.2500 EFTS
This is the first of two advanced German language courses. The course aims at improving the students' all-round knowledge of contemporary German including knowledge of stylistic and regional variation.
P: GRMN252
R: GRMN210, GRMN211, GRMN301, GRMN310, GRMN311, GRMN321, GRMN323
GRMN351-24S1 (C) **Semester 1**
GRMN351-24S1 (D) **Semester 1**

GRMN352 Advanced German Language and Culture B
30 Points 0.2500 EFTS
This is the second of two advanced German language courses. It aims at improving the students' all-round knowledge of contemporary German including knowledge of stylistic and regional variation. In addition students' reading and writing skills will be enhanced through work on a fictional text.
P: GRMN351
R: GRMN211, GRMN301, GRMN310, GRMN311, GRMN322, GRMN323
GRMN352-24S2 (D) **Semester 2**
GRMN352-24S2 (C) **Semester 2**

GRMN375 German Language
30 Points 0.2500 EFTS
Advanced German Language course aimed at developing language skills consistent with C1 of the European Framework of Reference for Language.
P: GRMN352 or placement test
R: GRMN401
GRMN375-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

GRMN401 German Language
30 Points 0.2500 EFTS
P: Subject to approval of the Programme Director.
GRMN401-24S2 (C) **Semester 2**
GRMN401-24S2 (D) **Semester 2**

GRMN480 Research Essay
30 Points 0.2500 EFTS
P: Subject to approval of the Programme Director.
GRMN480-24S2 (C) **Semester 2**
GRMN480-24S2 (D) **Semester 2**

GRMN650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
GRMN650-24A (C) **Starts Anytime**
GRMN650-24S1 (C) **Semester 1**
GRMN650-24S2 (C) **Semester 2**

GRMN690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.
GRMN690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

GRMN790 German PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
GRMN790-24A (C) **Starts Anytime**
GRMN790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Graphic Design

School of Creative and Digital Arts

DESI211 Graphic Design 2A
45 Points 0.3750 EFTS
Students will be introduced to developing technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Graphic Design practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.
P: FINA103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.
DESI211-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

DESI212 Graphic Design 2B
45 Points 0.3750 EFTS
Students will continue the development of technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Graphic Design practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.
P: DESI211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.
DESI212-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

DESI311 Graphic Design 3
90 Points 0.7500 EFTS
P: DESI212
DESI311-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

DESI411 Graphic Design 4
90 Points 0.7500 EFTS
P: DESI311
DESI411-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

DESI601 Graphic Design
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
DESI601-24A (C) **Starts Anytime**

Hazard and Disaster Management

Mātai Pūtaiao ā-nuku | Department of Geological Sciences

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

DRRE403 Disaster Risk and Resilience Applications
15 Points 0.1250 EFTS

The DRRE403 course develops students' applied research and practical skills, with a focus on disaster risk and resilience. A strong focus of the course is on developing disaster-related communication skills and confidence, during both crisis and non-crisis situations. Students are introduced to contemporary approaches to decision-making under uncertainty, and disaster ethics, and develop transferrable fundamental skills through writing literature reviews and formal research proposals, and by conducting poster and oral presentations. Practical, applied skills are developed through participation in dynamic disaster simulations (including a mock press conference with the UC Journalism programme), and through writing policy briefs for senior leadership (e.g. government ministers).

P: Programme Director approval.
R: HAZM403
RP: DRRE401

DRRE403-24S2 (C) **Semester 2**

Health Sciences

Te Kaupeka Oranga | Faculty of Health

HLED121 Introduction to Health Education
15 Points 0.1250 EFTS

This course is designed to be an introduction to Health Education through the exploration of fundamental and underlying concepts. It explores and applies the Māori concept of hauora to the wellbeing of self, relationships, and a range of populations. Students will examine the historical underpinnings of Health Education and develop an in-depth knowledge of current best practice. They will identify health issues that constitute barriers to learning and explore strategies and agencies that work to address these. A strong focus on the conceptual framework of Health education and the socio-cultural factors that determine the wellbeing of a population will be explored.

HLED121-24S1 (C) **Semester 1**

HLED122 Building Resilience
15 Points 0.1250 EFTS

This course is designed as an introduction to the concept of mental health. It examines concepts of mental health and resilience and considers these in relation to the determinants of health. The course develops students' understanding of models of best practice in mental health education and promotion. Students will explore a range of mental health issues and demonstrate a range of strategies designed to enhance their own and others' mental health.

HLED122-24S2 (C) **Semester 2**

HLTH101 Introduction to Health Studies
15 Points 0.1250 EFTS

Social, economic, cultural, environmental and psychological factors affect the health of people living in Aotearoa New Zealand. In this course, students develop strategies for gathering information about causes of ill health, investigate effects of ill health, and evaluate the effectiveness of health-related policies and interventions. During the second part of the course expert guest lecturers introduce their research on mental well-being, adolescent health, and problematic substance use. Students use local and international research to investigate a health problem and present that research in a well-structured, well-referenced report.

HLTH101-24S1 (C) **Semester 1**
HLTH101-24S1 (D) **Semester 1**

HLTH102 Health Promotion
15 Points 0.1250 EFTS

This course will provide an understanding of the broad range of ways in which the health of populations or societies can be promoted. Through personal reflection and synthesis of course material, students will deepen their understanding of key health concepts. Students will learn to design health promotion approaches that aligns with epidemiological and life-course evidence.

HLTH102-24S2 (C) **Semester 2**
HLTH102-24S2 (D) **Semester 2**

HLTH106 Te Wero - Māori Health Issues and Opportunities
15 Points 0.1250 EFTS

This course introduces students to a selection of historical and contemporary Māori health content within a Treaty of Waitangi framework, to support robust analyses of Māori population health issues. Exploring what Māori health was and is, students will be challenged to consider the promise of Māori health and its significance for current and future Aotearoa New Zealand.

HLTH106-24S1 (C) **Semester 1**
HLTH106-24S1 (D) **Semester 1**

HLTH111 Global Health
15 Points 0.1250 EFTS

Global health challenges cross international borders and responses require international cooperation. In this course we explore (1) the key and emerging challenges and opportunities facing global health, (2) major public health developments that have improved health outcomes for all and (3) identify how economic and political processes have shaped responses to global health problems.

HLTH111-24S1 (C) **Semester 1**

HLED222 Sexualities Education
15 Points 0.1250 EFTS

This course examines current debates, issues and practices of sexuality education. Students will explore the historical and contemporary influences on the delivery of sexuality education and develop knowledge in relation to sexuality and sexual health practices. A focus will be on examining and reframing debates around the nature of sexuality education content and delivery underpinned by an exploration of ethical values and mental health. Topics will include interpersonal skills to enhance relationships, pleasure pedagogy, relationships, gender, the sex industry, sexuality and disability, safer sex practices, the role of the media, strategies for enhancing sexual health and a positive sexuality.

P: HLED121 or HLED122 or HLTH101

HLED222-24S2 (C) **Semester 2**

HLTH201 Health Promotion
15 Points 0.1250 EFTS

This course will provide an understanding of the differing ways in which the health needs of a population or society may be perceived, assessed and addressed, and how health may be promoted through legislated and policy measures, and community based health promotion or preventive programmes.

P: Any 60 points at 100 level from any subject, or any 30 points at 100 level from HLTH or SPCO
R: HLTH102

HLTH201-24S2 (C) **Semester 2**

HLTH202 Health and Society: Applied Research for Aotearoa
15 Points 0.1250 EFTS

This course introduces students to social and political changes shaping health and health care in Aotearoa. Through applied research, students will develop introductory skills in social science research methods to understand major population health challenges facing Aotearoa.

P: Any 60 points at 100 level from any subject.

HLTH202-24S2 (C) **Semester 2**

HLTH213 Health Systems and Policy
15 Points 0.1250 EFTS

This course introduces students to the history and organisation of health services and public health, with particular relevance to New Zealand. Students will develop an understanding of the structure and function of the New Zealand health system, including the provision, planning, and funding of health services.

P: Any 60 points at 100 level in any subject.

HLTH213-24S1 (C) **Semester 1**

HLTH214 Environmental and Occupational Health
15 Points 0.1250 EFTS

This course will introduce students to environmental and occupational health, including population interventions designed to improve health through prevention, early detection, communicable disease control, emergency preparedness, and global health interventions.

P: Any 60 points at 100 level from any subject, or any 30 points at 100 level from HLTH or SPCO

HLTH214-24S2 (C) **Semester 2**

HLED321 Health Education in Practice - INTERNSHIP
15 Points 0.1250 EFTS

What can students do with their studies in Health Sciences? The course is designed to be a critical, theoretical, and real world examination of the practices and ideologies inherent in the delivery of health programmes in a range of settings. Students will apply the knowledge and skills developed in previous courses to a project developed in collaboration with external health providers.

P: Any 60 points at 200 level from any subject including HLTH201, HLTH202, and MAOR270.

HLED321-24A (C) **Starts Anytime**
HLED321-24S2 (C) **Semester 2**

HLED322 Critical Analysis of Contemporary Health Issues
15 Points 0.1250 EFTS

Students will critically examine and debate a range of health issues they have encountered in earlier courses, through the media and in their internships. Students will analyse the determinants influencing health issues, and the related implications and consequences for a diverse range of clientele. They will provide recommendations for addressing issues and enhancing wellbeing through effective health education strategies.

P: Any 60 points at 200 level or above from any subject including 30 points from Health Science at 200 level or above.

HLED322-24S1 (C) **Semester 1**

HLTH301 Evidence in Health
30 Points 0.2500 EFTS
This course will provide students with an understanding of ways in which evidence is used in health decision making, in health promotion, clinical care and health policy, and the social science tools which underpin much health research.

P: Any 30 points at 200 level from Health Science (HLTH, HLPA and HLED).

HLTH301-24S2 (C) **Semester 2**

HLTH312 Health Planning, Implementation and Evaluation
15 Points 0.1250 EFTS
This course introduces students to the importance of planning and evaluation in the health sector. Students will become familiar with planning and evaluation tools and approaches commonly used in public health, and will learn how to ensure that plans meet current health sector needs and priorities, including how the cultural context affects the planning and delivery of public health interventions.

P: Any 30 points at 200 level from Health Science (HLTH, HLPA and HLED).

HLTH312-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

COUN682 Focused Acceptance and Commitment Therapy (FACT)
15 Points 0.1250 EFTS
Focused Acceptance and Commitment Therapy introduces students to theory and practice guidelines that support an understanding of the responsibilities involved in providing Focused Acceptance and Commitment Therapy (FACT) to individuals seeking psychological support. It focuses on developing practitioners' technical and relational issues when delivering FACT in primary care and other settings.

P: Subject to the approval of the Head of Department.

COUN682-23SU2 (C) **Summer (Nov 23)**
COUN682-24X1 (O)

HLTH401 Health and Health Systems
30 Points 0.2500 EFTS
This course examines international health and health systems, including the determinants of health, health status and health inequalities and the way health systems are organised to meet these challenges. This provides a context for detailed examination of issues facing health and health services in New Zealand and elsewhere.

P: Subject to the approval of the Head of School
R: HLTH601
EQ: HLTH601

HLTH401-24S1 (M) **Semester 1**

HLTH402 Health Information Management
30 Points 0.2500 EFTS
This course examines how Information Technology meets the information needs of health provider organisations, practitioners, and consumers and how IT can play a significant and positive role in the provision of healthcare services.

P: Subject to approval of the Head of School

HLTH402-24S2 (C) **Semester 2**
HLTH402-24S2 (D) **Semester 2**

HLTH403 Environmental Health
30 Points 0.2500 EFTS
Environmental health is an integral aspect of the health of a community. Risks to environmental health include pollution, unsafe foods, and infectious diseases, and many of these risks are increasing as a result of growing populations globally, and the effects of climate change. This course provides the foundation for students to understand environmental health.

HLTH403-24S2 (D) **Semester 2**
HLTH403-24S2 (C) **Semester 2**

HLTH405 Special Topic: Independent Study
30 Points 0.2500 EFTS
This course allows for supervised research in an area of personal interest. It is of particular value for health professionals who want to examine a health related issue in depth, and develop research expertise.

P: Subject to approval of the Head of School
R: HLTH605
EQ: HLTH605

HLTH405-24A (D) **Starts Anytime**

HLTH407 Bioethics
30 Points 0.2500 EFTS
The course provides an overview of moral theories, and explores why moral dilemmas arise and contexts in which ethical decision-making may occur. Legal, regulatory and policy frameworks that specify the responsibilities of those making ethical decisions in the delivery of health care are also explored. Students are taught critical appraisal techniques and share the experiences of professionals from a wide variety of disciplines who are faced with real life dilemmas and have to make ethical decisions daily.

P: Subject to approval of the Head of School
R: HLTH433, HLTH434, HLTH607, PHIL325, PHIL433, PHIL434, PHIL474
EQ: HLTH607

HLTH407-24S1 (D) **Semester 1**

HLTH408 Special Topic: Independent Study
15 Points 0.1250 EFTS
This course allows for supervised research in an area of personal interest. It is of particular value for health professionals who want to examine a health related issue in depth, and develop research expertise.

P: Subject to approval of the Head of School

HLTH408-24A (D) **Starts Anytime**
HLTH408-24S2 (M) **Semester 2**

HLTH409 Health and Culture
30 Points 0.2500 EFTS
This course explores concepts of health and well-being as they relate to culture, providing a critical approach to understanding health status, approaches and movements within Aotearoa/New Zealand. Students will be encouraged to reflect on the role and importance of culture in a broad sense, drawing upon Māori and Pacific health as a case of the inter-relationships, principles and strategies for action.

P: Subject to approval of the Head of School
R: HLTH609

HLTH409-24S2 (C) **Semester 2**

HLTH410 Leading and Motivating People in Healthcare Organizations
30 Points 0.2500 EFTS
This course provides students with a platform to effectively lead, manage, motivate and change Aotearoa | New Zealand health sector organisations and the people who work in them.

P: Subject to approval of the Head of School

HLTH410-24X (M) **08 July 2024 - 10 Nov 2024**

HLTH418 Conversational Debriefing in Clinical Practice
15 Points 0.1250 EFTS
This course examines debriefing strategies as a conversational tool to review actual and simulated events occurring in clinical settings. A range of strategies will be explored and utilised to analyse the actions of individuals and interprofessional teams. Participants will apply debriefing models and reflect on the outcomes and human factors that drive actions in practice with an intent to improve or sustain performance in the future.

P: Subject to the approval of the Head of School

HLTH418-24S1 (M) **Semester 1**
Limited entry. See limitation of entry regulations.

HLTH430 Motivating Behaviour Change I
30 Points 0.2500 EFTS
This course provides introductory training in motivating behaviour change, including theory, research and practice, with particular emphasis on motivational interviewing.

P: Subject to approval of the Head of School

HLTH430-24S1 (M) **Semester 1**

HLTH431 Motivating Behaviour Change II
30 Points 0.2500 EFTS
This course provides advanced training in motivating behaviour change, including theory, research and practice, with particular emphasis on motivational interviewing.

P: Subject to approval of the Head of School, and HLTH 430

HLTH431-24S2 (M) **Semester 2**

HLTH442 Complementary and Alternative Medicine (CAM) Evidence Based Knowledge
30 Points 0.2500 EFTS
HLTH442 is a level 8 course, which examines evidence based knowledge relating to complementary and alternative medicine (CAM), Integrated Medicine (IM) and Traditional/Indigenous Health Practices within Aotearoa New Zealand. Participants will explore how evidence based knowledge is created through exploration of research designs, methodology and ethical considerations as applicable to CAM/IM/Traditional/Indigenous health practices. Participants can explore an individual topic of interest through assessments, which involve interpreting and synthesising extant knowledge to enhance practice or awareness.

P: Subject to approval of the Head of School

HLTH442-24S2 (D) **Semester 2**

HLTH448 The Foundation of Hospice Palliative Care
30 Points 0.2500 EFTS
This course is designed around four themes: understanding and caring for self, understanding others; caring for the person, family and whānau living with a terminal illness; the practice of palliative care (therapeutic interventions and treatment modalities); creating and maintaining a centre of excellence and learning. It provides knowledge that is foundational to practice in the area, and introduces the participant to relevant theory, research and critical reflection that is deemed essential to palliative care practice.

P: Subject to approval of the Head of School

HLTH448-24X (D) **22 Jan 2024 - 28 Apr 2024**

HLTH449 Praxis in Hospice Palliative Care
30 Points 0.2500 EFTS
This course is designed around the four themes in HLTH 448 with increasing integration of each theme to increase the student's understanding of the field of palliative care. It provides an opportunity for the further development of praxis as the participant works on the application of theory, research and reflection in action to provide evidence based care.

P: Subject to approval of the Head of School

HLTH449-24X (D) **10 June 2024 - 29 Sep 2024**

HLTH460 Epidemiology and Critical Appraisal
15 Points 0.1250 EFTS
The purpose of this course is to develop skills and knowledge of critical appraisal of health research. Upon completion of this course, students will develop or enhance skills and understanding necessary for interpretation of research designs, analysis of health research data, reports, review of literature, and gain skills that will enable them to successfully write grants and research proposals.

P: Subject to approval from Head of School

HLTH460-24S1 (C) **Semester 1**

HLTH461 Special Topic
30 Points 0.2500 EFTS
P: Subject to approval of the Director, Health Sciences Centre

HLTH461-24S2 (C) **Semester 2**

HLTH462 Quantitative Methods in Health
15 Points 0.1250 EFTS
This course will provide students with an understanding of key quantitative methodological issues in health research from the perspective of research designs and development of current best evidence in health.

P: Subject to approval of the Head of School
R: HLTH460

HLTH462-24S2 (C) **Semester 2**

HLTH463 Whānau and Community Health
30 Points 0.2500 EFTS
This course will enable students to design, implement and critically analyse interventions in response to socio-ecological influences on whānau and community health in a health care context.

P: Subject to approval of the Head of School of Health Sciences
R: HLTH456

HLTH463-24S1 (M) **Semester 1**

HLTH464 Research Approaches for Health and Sport
30 Points 0.2500 EFTS
This course will develop students' specialist knowledge and skills to support postgraduate research and/or industry led projects. Philosophical, ethical and methodological issues influencing research design will be examined and applied to researching health or sport related issues.

P: Subject to approval of the Head of School of Health Sciences.

HLTH464-24S1 (C) **Semester 1**

HLTH465 Professional Frameworks for Nursing Practice
30 Points 0.2500 EFTS
This course will enable students to understand the responsibilities of nursing and the inter-professional team, to communicate professionally and to understand ethical, legal and regulatory frameworks for health care delivery and practice.

P: Subject to approval of the Head of School of Health Sciences
R: HLTH452

HLTH465-24X (C) **12 Feb 2024 - 09 June 2024**
Limited entry. See limitation of entry regulations.

HLTH466 Health Assessment, Physiology and Pharmacology for Clinical Practice
30 Points 0.2500 EFTS
This course will enable students to gain the health assessment, bioscience and pharmacology knowledge and skills required to understand disease processes, the rationale for interventions and how drugs affect the body.

P: Subject to approval of the Head of School of Health Sciences.
R: HLTH453

HLTH466-24S1 (M) **Semester 1**
Limited entry. See limitation of entry regulations.

HLTH467 Mental Health and Addictions
30 Points 0.2500 EFTS
This course will enable students to select, critically analyse and apply theoretical frameworks related to mental health and addiction across the lifespan and their impact on individuals and family/whānau.

P: Subject to the approval of the Head of School of Health Sciences
R: HLTH454

HLTH467-24X (M) **08 July 2024 - 09 Feb 2025**
Limited entry. See limitation of entry regulations.

HLTH468 Acute and Long Term Health Care
30 Points 0.2500 EFTS
This course will introduce students to health service contexts and the complexity of care across a range of settings. This is achieved through comprehensive health assessment and the design of care plans leading to considered interventions underpinned by evidence based practice.

P: Subject to approval of the Head of School of Health Sciences
R: HLTH455

HLTH468-24X (M) **08 July 2024 - 09 Feb 2025**
Limited entry. See limitation of entry regulations.

HLTH472 Introduction to Psychometric Theory and Administration
15 Points 0.1250 EFTS
This course covers psychometric theory and familiarises students with the construction, administration and interpretation of psychometric instruments which are not restricted to Registered Psychologists.

P: Subject to approval of the Head of School
R: EDUC624, HLTH671

HLTH472-24S1 (C) **Semester 1**

HLTH690 MHealSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School

HLTH690-24A (D) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

HLTH695 Health Sciences Dissertation
60 Points 0.5000 EFTS
P: Subject to approval of the Head of School

HLTH695-24A (D) **Starts Anytime**

HLTH697 Health Sciences Thesis
90 Points 0.7500 EFTS
P: Subject to approval of the Head of School

HLTH697-24A (D) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

HLTH790 Health Sciences PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School of Health Sciences

HLTH790-24A (C) **Starts Anytime**
HLTH790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

HLTH796 Research Portfolio
120 Points 1.0000 EFTS
DHSc Part I: Research Portfolio The course will be taught part-time over two years / four semesters. Each semester has a particular focus to provide a systematic approach in exploring the literature and other sources of knowledge. Students will develop the academic skills to identify a doctoral thesis topic, and formulate a research proposal appropriate for this level of study. There are four interconnected areas of development: Literature Review; Analytical /

contextual Project; Methodological Project; and Research Proposal, each informing and extending the area of interest. In each of the areas of development the unique context of Aotearoa / New Zealand will be applied to demonstrate a bicultural partnership.

P: Subject to the approval of the Head of Department.

HLTH796-24A (C) **Starts Anytime**

Higher Education

School of Educational Studies and Leadership

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

HEDN611 Teaching and Learning in Aotearoa

15 Points 0.1250 EFTS

The course will focus on what it means to be an educator in the tertiary sector in Aotearoa New Zealand. We position Te Tiriti as central to our roles and responsibilities as educators. Working from a student-centred approach we unpack key learning and teaching theories from the perspective of culturally responsive pedagogies and look at how this contributes to success and wellbeing of learners. We explore the contemporary global context in which we are situated and the current issues and debates influencing tertiary education. Working from a student centred approach we will explore key learning and teaching theories and examine how these contribute to success and wellbeing of contemporary learners.

P: Subject to approval of the Head of School.

R: HEDN601

HEDN611-24A (D) **Starts Anytime**
HEDN611-24S1 (C) **Semester 1**
HEDN611-24S1 (D) **Semester 1**

HEDN612 Learning Environments

15 Points 0.1250 EFTS

Drawing on the cultural competency of Tangata Whenuatanga, we explore how to develop culturally responsive learning environments that provide a context for learning where the language, identity and culture of Māori learners is affirmed. We analyse and explore a range of learning environments encountered in tertiary teaching e.g. lectures, tutorials, workplace based learning & fieldtrips, specifically considering the role of hybrid/blended learning in supporting these. We examine the influence of learning environments on our teaching practice and students learning. The course offers an optional field trip to explore the concept of place based learning. Suggestions for self directed field experiences and virtual options are provided for distance students.

P: Subject to approval of the Head of School.

HEDN612-24A (D) **Starts Anytime**
HEDN612-24S1 (C) **Semester 1**
HEDN612-24S1 (D) **Semester 1**

HEDN613 Teaching in Practice

15 Points 0.1250 EFTS

In this course we grapple with literature and practice around what it means to be a tertiary teacher in a bi-cultural Aotearoa. Drawing on the varied disciplinary and teaching contexts of participants we explore educators identity, philosophy, and practice. The course covers kaupapa that have been influential on and underpin current approaches to tertiary and/or vocational education. Formative feedback and the class community are integral in informing your thinking and learning in this course.

P: Subject to approval of the Head of School.

R: HEDN601

HEDN613-24A (D) **Starts Anytime**
HEDN613-24S2 (C) **Semester 2**
HEDN613-24S2 (D) **Semester 2**

HEDN614 Course Design and Development

15 Points 0.1250 EFTS

This course examines contemporary research on learning designs and assessment in tertiary teaching, and explores current research and practices on the design and facilitation of face-to-face, blended, and online environments which enhance student success. Modelling co-design and design thinking approaches, the course aims to help you rethink how you can move to more flexible and inclusive course design and assessment.

P: Subject to approval of the Head of School.

R: HEDN603

HEDN614-24A (D) **Starts Anytime**
HEDN614-24S2 (C) **Semester 2**
HEDN614-24S2 (D) **Semester 2**

HEDN790 Higher Education PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

HEDN790-24A (C) **Starts Anytime**
HEDN790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

History

School of Humanities

HIST127 American History

15 Points 0.1250 EFTS

The history of British America and the US from 1492 to the present.

R: HIST119, HIST120, AMST127

EQ: AMST127

HIST127-24S2 (C) **Semester 2**

HIST133 Medieval Europe: from Rome to the Black Death

15 Points 0.1250 EFTS

A survey course covering a range of themes in Western European history including social and economic developments, government, religion and warfare (c. 300 - 1400).

R: HIST125, HIST130

HIST133-24S1 (C) **Semester 1**

HIST137 Modern World History

15 Points 0.1250 EFTS

This course explores some of the major ideas and events that have shaped world history since 1945 and asks: Which are stronger, the forces for world unity or the forces for fragmentation? The first half of the course looks at the immediate post-war period. This is the time when Europe declines, European colonies become new nations and the United States of America (U.S.A.) gains power. It is the time of the Cold War when the world is divided by 'an iron curtain' between western capitalist states led by the U.S.A. and eastern bloc communist states centered on the Union of Soviet Socialist Republics (USSR). The second half of the course looks at the world after the collapse of communism. We study the global impacts of the struggle for resources and the increasing prominence of terrorism in the modern world.

HIST137-24S1 (C) **Semester 1**

HIST239 The First World War: Total War in Europe

15 Points 0.1250 EFTS

The First World War is often described as a total war. Between 1914 and 1918 over 9 million combatants were killed and European nations deliberately targeted civilians for attack. Governments gave themselves extraordinary powers over people's lives as they tried to turn whole societies, economies and cultures to the war effort. The results of this ranged from social and political reform to revolution, genocide and the collapse of empires. Students will explore the war's impacts on the people of Europe, investigating its origins; military, political and social developments; and the legacies of both peace diplomacy and war cultures. Focusing primarily on Britain, France and Germany, this course asks how the experience and endurance of total war affected Europe, and what this meant for the modern world.

P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST301, HIST302, HIST305, HIST339

HIST239-24S1 (C) **Semester 1**

HIST243 Kiwi Culture

15 Points 0.1250 EFTS

This course explores the invention of kiwi culture from first Māori contact with Europeans to Peter Jackson's Lord of the Rings films. Key questions asked are: How has national identity formed? What kiwi traditions have emerged? Who is a New Zealander and who is excluded from dominant concepts of nation? What aspects of culture are Indigenous and how much is copied from overseas? Topics under examination include key defining moments, peacekeeping, sport and leisure, food, beauty, fashion, arts and crafts, literature and music, kiwi icons, kiwiana, overseas fame, sexuality and morality, environmentalism, national disasters, immigration and multiculturalism.

P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST352

HIST243-24S1 (C) **Semester 1**

HIST247 Slavery to Freedom in World History

15 Points 0.1250 EFTS

This course focuses on histories of slavery and bonded labour from the ancient to the modern world. It explores the links between histories of unfree labor, ideas of citizenship and the influence of 'enlightenment' thinking in the shaping of modern democracies.

P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST371

HIST247-24S1 (C) **Semester 1**

HIST253 Renaissance and Reformation Europe
15 Points 0.1250 EFTS
A thematic study of two major transformations in European History between c.1350 and c.1620.
P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST373
HIST253-24S2 (C) **Semester 2**

HIST254 Making Imperial Britain, 1780-1914
15 Points 0.1250 EFTS
This course explores social, cultural, political and economic developments in the history of Britain and its empire between 1780-1914. The course focuses mainly on events within the British Isles, but also investigates the expansion and operation of the British empire. A major concern of the course is the development of British identities, which is explored in the context of varying conceptions across the four nations of the British Isles as well as by Britons in the empire.
P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST376
HIST254-24S2 (C) **Semester 2**

HIST255 Heroines in History
15 Points 0.1250 EFTS
Heroines' histories will be used to represent different moments of womanhood and femininity, women's place in domesticity, war, religion, education, politics and governance. Themes include spirituality, health and well-being, warrior and regal identities, cross-dressing, martyrdom and untimely death, imperialism, science and technology and glamour. Heroines to be studied include Boadicea, Joan of Arc, Elizabeth I, Catherine the Great, Florence Nightingale, Kate Sheppard, Marie Curie, Te Puea, Jean Batten, Rosa Luxemburg and Diana, Princess of Wales.
P: Any 15 points at 100 level in HIST or CULT or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST361, GEND215, CULT336
EQ: CULT336
HIST255-24S2 (C) **Semester 2**

HIST257 America in Revolution and Civil War
15 Points 0.1250 EFTS
This course explores the basic political ideas and institutions of early America in association with a close examination of the American revolution and the Civil War. It considers ideas from multiple perspectives and by means of close reading of texts of multiple genre including political essays, letters, fiction and autobiography.
P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST377
HIST257-24S2 (C) **Semester 2**

HIST262 Māori and Indigenous Development
15 Points 0.1250 EFTS
This course will examine Māori and Indigenous development. Students will explore both historical and contemporary developments and the factors which have affected Māori and Indigenous engagement with globalisation. For example the course will look at areas such as economic development, education and health, amongst others.
P: Any 15 points at 100 level in HIST or MAOR or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: MAOR212, HIST379
EQ: MAOR212
HIST262-24S1 (C) **Semester 1**

HIST268 Te Tiriti: The Treaty of Waitangi
15 Points 0.1250 EFTS
This course uses the Treaty of Waitangi to frame examinations of contemporary New Zealand society. We ask questions designed to highlight and emphasise the relevance of the Treaty of Waitangi to everyday New Zealanders. In addition, the course looks at the importance of this document in the maintenance of Crown and Māori relations. Topics covered range from the signing of the Treaty, and historical developments, to the protest movements and activism of the continuing Māori renaissance period, race relations and one law-for-all.
P: Any 15 points at 100 level in HIST, CULT, HSRV, MAOR, POLS, or SOCI, or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: MAOR219, POLS218, POLS258, SOCI209, HSRV207, CULT219
EQ: MAOR219, POLS258, SOCI209, HSRV207, CULT219
HIST268-24S2 (C) **Semester 2**

HIST269 The Rise and Fall of Communism in Central and Eastern Europe, 1944 - 1991
15 Points 0.1250 EFTS
The end of the Cold War and of Eastern European communism in 1989-1991 did not mean the loss of global interest in developments in the former communist countries of Central and Eastern Europe. On the contrary, the recent history of these countries, the period of their post-communist transition to political democracy and a market economy, has been marked with new instabilities, crises and wars which have had serious implications for global trends. This course is designed to provide a broad background to an understanding of the political, socio-economic, and cultural developments in the former communist countries of Central and Eastern Europe as an essential prerequisite to understanding the modern world.
P: Any 15 points at 100 level in HIST or EURA, or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: EURO226, EURO222, HIST264 (prior to 2006), INCO225, HIST386, EURA226, EURA326, EURO326, HIST329
EQ: EURA226
HIST269-24S2 (C) **Semester 2**

HIST274 The Soviet Experiment and Its Aftermath
15 Points 0.1250 EFTS
The emphasis is on Russia's 20th century Communist experience and its many legacies in the fast-changing post-Soviet society. Together we will examine the causes of the Bolshevik Revolution and the greatest social experiment in the history of humankind that followed it. The course will explore the roots of Stalinism, the causes and consequences of Soviet victory over Nazi Germany in World War II, the space race and other Cold War competitions between the superpowers, Gorbachev's reforms and the collapse of the USSR. Was the end of the Communist rule in the Soviet Union predetermined?
P: Any 15 points at 100 level in HIST, EURA, or RUSS, or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: RUSS218, RUSS318, HIST374, EURA214
RP: RUSS111/HIST138
EQ: RUSS218, EURA214
HIST274-24S1 (C) **Semester 1**

HIST278 America and the World into the 21st Century
15 Points 0.1250 EFTS
This course provides an overview of American foreign policy and domestic politics in the second half of the twentieth century.
P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST364
HIST278-23SU2 (C) **Summer (Nov 23)**

HIST283 Ethnicity, Racism and Genocide
15 Points 0.1250 EFTS
This course provides a critical introduction to the historical and anthropological study of ethnicity, racism, genocide and migration.
P: Any 15 points at 100 level in HIST, ANTH, MAOR, PACS, or SOCI, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.
R: ANTH223, MAOR230, PACS204, SOCI223
EQ: ANTH223, MAOR230, PACS204
HIST283-24S2 (C) **Semester 2**

HIST292 Modern Histories of Ngāi Tahu
15 Points 0.1250 EFTS
The story of Ngāi Tahu is a fascinating example of a small impoverished community of tribal members who by the 1970s had been reduced to a membership of less than 400. Within two decades this tribe had emerged as one of the largest corporations in the South Island with a tribal membership of over 40,000. It is the largest land-owner in the South Island with significant interests in fisheries and tourism. Explaining how and why this happened will be one of the core themes of this course. The first part of this course will look at some of the early history of Ngāi Tahu through to their movement from its pre-contact era to initial contact with early explorers, the settler government and the subsequent land transactions that ran from 1844 to 1864. The second part of this course will trace Ngāi Tahu's claim over nearly 150 years and the concurrent development and implementation of corporate structures. It will then turn to an overview of how Ngāi Tahu and the Crown negotiated one of the largest Treaty settlement packages in the nation's history, but also what opportunities and challenges that brings today.
P: Any 15 points at 100 level in HIST or MAOR, or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: MAOR285
EQ: MAOR285
HIST292-24S1 (C) **Semester 1**

HIST293 Fascism and the Far-Right in Europe
15 Points 0.1250 EFTS
This course examines the rise of Fascist movements in Italy, Germany, France and Eastern Europe during the late nineteenth and early twentieth centuries before considering the far-right and fascist regimes created by Franco, Mussolini and Hitler. The course also reflects on the state of the European radical right today.
P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST393
HIST293-24S2 (C) **Semester 2**

HIST294 Recovering Christchurch 1850-2010
15 Points 0.1250 EFTS
As a systematically planned new world city on the edge of empire Christchurch has always been a fascinating place to study. Whose stories have formed the city's written collective memory, and what has been left out? Due to the earthquakes from 2010 the city has a unique rupture, or ending point for its colonial past. As Christchurch considers its future, this course critically remembers its history. Significant aspects of the social, cultural, political and economic history of the South Island's largest city will be investigated through a series of lectures and documentary exercises. Students will gain an overall knowledge of the city's urban history, with opportunity to focus on advanced research topics.

P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST394
HIST294-24SU1 (C) **Summer (Jan 24)**

HIST295 Crime, Criminology and Policing in Modern Europe since 1750
15 Points 0.1250 EFTS
Beginning in the mid-eighteenth century, this course traces the development of crime, criminology and policing in modern Europe. Paying particular attention to the rise of competing biological and sociological models of criminality and the birth of forensics, the course examines the social, political and professional implications of attempting to put the investigation, understanding, and punishment of crime on a scientific footing. Topics covered will include: crime and insanity, Lombroso and the born criminal, the professionalisation of policing, and the development of fingerprinting and crime scene analysis.

P: Any 15 points at 100 level in HIST or CLAS120, or any 60 points at 100 level from the Schedule V of the BA, or 60 points at 100 level from Schedules C or E of the BCJ.
R: HIST395
HIST295-24S1 (C) **Semester 1**

HIST329 The Rise and Fall of Communism in Central and Eastern Europe, 1944 - 1991
30 Points 0.2500 EFTS
The end of the Cold War and of Eastern European communism in 1989-1991 did not mean the loss of global interest in developments in the former communist countries of Central and Eastern Europe. On the contrary, the recent history of these countries, the period of their post-communist transition to political democracy and a market economy, has been marked with new instabilities, crises and wars which have had serious implications for global trends. This course is designed to provide a broad background to an understanding of the political, socio-economic, and cultural developments in the former communist countries of Central and Eastern Europe as an essential prerequisite to understanding the modern world.

P: Any 30 points at 200 level from EURA or HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: EURA226, EURO226, EURA326, EURO326, HIST269
EQ: EURO326, EURA326
HIST329-24S2 (C) **Semester 2**

HIST339 The First World War: Total War in Europe
30 Points 0.2500 EFTS
The First World War is often described as a total war. Between 1914 and 1918 over 9 million combatants were killed and European nations deliberately targeted civilians for attack. Governments gave themselves extraordinary powers over people's lives as they tried to turn whole societies, economies and cultures to the war effort. The results of this ranged from social and political reform to revolution, genocide and the collapse of empires. Students will explore the war's impacts on the people of Europe, investigating its origins; military, political and social developments; and the legacies of both peace diplomacy and war cultures. Focusing primarily on Britain, France and Germany, this course asks how the experience and endurance of total war affected Europe, and what this meant for the modern world.

P: Any 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.
HIST339-24S1 (C) **Semester 1**

HIST352 Kiwi Culture
30 Points 0.2500 EFTS
This course explores the invention of kiwi culture from first Māori contact with Europeans to Peter Jackson's Lord of the Rings films. Key questions asked are: How has national identity formed? What kiwi traditions have emerged? Who is a New Zealander and who is excluded from dominant concepts of nation? What aspects of culture are Indigenous and how much is copied from overseas? Topics under examination include key defining moments, peacekeeping, sport and leisure, food, beauty, fashion, arts and crafts, literature and music, kiwi icons, kiwiana, overseas fame, sexuality and morality, environmentalism, national disasters, immigration and multiculturalism.

P: Any 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST243
RP: HIST128 or equivalent
HIST352-24S1 (C) **Semester 1**

HIST361 Heroines in History
30 Points 0.2500 EFTS
From the days of the Virgin Mary to the advent of Lorde, this course travels through time critically recovering a wide variety of global and local historical heroines. It moves beyond traditional mythological celebration to consider how women's histories have been told, re-told, and represented. What does it take to become celebrated as an icon or role model? Themes include spirituality, health and well-being, warrior and regal identities, politics, governance and domesticity, cross-dressing, martyrdom and untimely death, imperialism, science and technology, education and glamour.

P: Any 30 points at 200 level from CULT or HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST255, CULT 336
EQ: CULT336
HIST361-24S2 (C) **Semester 2**

HIST366 Takahi: Colonisation
30 Points 0.2500 EFTS
Colonisation has had a significant effect on the shaping of contemporary New Zealand society. This course will cover key events in the colonisation throughout New Zealand's brief colonial history. This course utilises different theories of colonisation to critically examine the continued subjugation of Indigenous Peoples in Aotearoa and around the world. Special attention will also be paid to breaking down the power relationships that have emerged between coloniser and colonised.

P: Any 30 points at 200 level from CULT, HIST, or MAOR, or any 60 points at 200 level from the Schedule V of the BA.
R: MAOR317, RELS322, CULT302
EQ: CULT302, MAOR317, RELS322
HIST366-24S1 (C) **Semester 1**

HIST372 Contested Heritage: Politics, Power and Practice
30 Points 0.2500 EFTS
This course provides students with a hands-on introduction to the study of heritage. We explore ways we might understand and interpret contemporary heritage practices in a range of contexts, including post-earthquake Christchurch.

P: Any 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: SOCI388, ANTH388
EQ: ANTH388
HIST372-24S2 (A) **Semester 2**

HIST373 Renaissance and Reformation Europe
30 Points 0.2500 EFTS
A thematic study of two major transformations in European History between c.1350 and c.1600.

P: Any 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST253
HIST373-24S2 (C) **Semester 2**

HIST374 The Soviet Experiment and Its Aftermath
30 Points 0.2500 EFTS
The emphasis is on Russia's 20th century Communist experience and its many legacies in the fast-changing post-Soviet society. Together we will examine the causes of the Bolshevik Revolution and the greatest social experiment in the history of humankind that followed it. The course will explore the roots of Stalinism, the causes and consequences of Soviet victory over Nazi Germany in World War II, the space race and other Cold War competitions between the superpowers, Gorbachev's reforms and the collapse of the USSR. Was the end of the Communist rule in the Soviet Union predetermined?

P: Any 30 points at 200 level from EURA, HIST, or RUSS, or any 60 points at 200 level from the Schedule V of the BA.
R: RUSS218, RUSS318, HIST274, EURA214
RP: HIST235/EURA235/RUSS235
EQ: RUSS318
HIST374-24S1 (C) **Semester 1**

HIST376 Making Imperial Britain, 1780 to 1914
30 Points 0.2500 EFTS
This course explores social, cultural, political and economic developments in the history of Britain and its empire between 1780 and 1914. The course focuses mainly on events within the British Isles, but also investigates the expansion and operation of the British empire. A major concern of the course is the development of British identities, which is explored in the context of varying conceptions across the four nations of the British Isles as well as by Britons in the empire.

P: Any 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST254
HIST376-24S2 (C) **Semester 2**

HIST377 American Revolution and Civil War
30 Points 0.2500 EFTS
An examination into the origins of popular government, the genius of American revolutionary politics, and the Civil War which ended slavery.

P: Any 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST257
HIST377-24S2 (C) **Semester 2**

HIST379 Māori and Indigenous Development
30 Points 0.2500 EFTS
This course will examine the history of Māori economic development. Students will gain an understanding of recent developments and the factors which have affected Māori engagement with globalisation over the past two hundred years.
P: Any 30 points at 200 level from HIST or MAOR, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST262, MAOR212
HIST379-24S1 (C) **Semester 1**

HIST393 Fascism and the Far-Right in Europe
30 Points 0.2500 EFTS
This course examines the rise of Fascist movements in Italy, Germany, France and Eastern Europe during the late nineteenth and early twentieth centuries before considering the far-right and fascist regimes created by Franco, Mussolini and Hitler. The course also reflects on the state of the European radical right today.
P: Any 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST293
RP: HIST281
HIST393-24S2 (C) **Semester 2**

HIST395 Crime, Criminology and Policing in Modern Europe since 1750
30 Points 0.2500 EFTS
Beginning in the mid-eighteenth century, this course traces the development of crime, criminology and policing in modern Europe. Paying particular attention to the rise of competing biological and sociological models of criminality and the birth of forensics, the course examines the social, political and professional implications of attempting to put the investigation, understanding, and punishment of crime on a scientific footing. Topics covered will include: crime and insanity, Lombroso and the born criminal, the professionalisation of policing, and the development of fingerprinting and crime scene analysis.
P: Any 30 points at 200 level from HIST, or CRJU201 and either CRJU202 or LAWS202, or any 60 points at 200 level from the Schedule V of the BA.
R: HIST295
HIST395-24S1 (C) **Semester 1**

HIST425 Independent Course of Study: Touching Heaven: The Power of Relics
30 Points 0.2500 EFTS
P: Subject of approval by the Head of Department.
HIST425-23SU2 (C) **Summer (Nov 23)**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

HIST429 From Leeches to Liposuction: A Social History of Medicine
30 Points 0.2500 EFTS
An introduction to the flourishing sub-disciplines of social history of medicine and health history.
P: Subject to approval of the Head of Department.
R: HAPS404
HIST429-24S1 (C) **Semester 1**

HIST440 Constructing Feminist History
30 Points 0.2500 EFTS
A synthesizing sweep of the construction of feminist history in post counter cultural western societies. It examines the growth and development of women's, gender and feminist history. The major theme is the contested position of women as essential subjects in history.
P: Subject to approval of the Head of Department.
R: CULT404, GEND412, CULT416
EQ: CULT404, GEND412, CULT416
HIST440-24S2 (C) **Semester 2**

HIST449 Issues in Modern European History
30 Points 0.2500 EFTS
This course focuses on some of the most important and controversial debates in the historiography of modern Europe. Students will be encouraged to explore these debates in detail, to consider the historiographical context within which these debates have taken place, and to arrive at their own views based on their extensive research in primary and secondary sources.
P: Subject to approval of the Head of Department.
R: HIST438, HIST448, EURO448, DIPL418, DIPL423, DIPL428
EQ: DIPL428, EURO448
HIST449-24S2 (C) **Semester 2**

HIST450 History as a Discipline
30 Points 0.2500 EFTS
This course traces the development of the discipline of history; it examines the principal modern approaches to the study of the past; it makes explicit the methodological principles which underlie historical research and writing; and it encourages reflection on controversial matters concerning truth, objectivity, bias, values and cross-cultural understanding.
P: Subject to approval of the Head of Department.
R: HAPS403
EQ: HAPS403
HIST450-24S1 (C) **Semester 1**

HIST480 Research Paper
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
HIST480-24W (C) **Whole Year (S1 and S2)**

HIST660 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
HIST660-24A (C) **Starts Anytime**
HIST660-24S1 (C) **Semester 1**
HIST660-24S2 (C) **Semester 2**

HIST690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
HIST690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

HIST790 History PhD
120 Points 1.0000 EFTS
P: Subject to approval of Head of School.
HIST790-24A (C) **Starts Anytime**
HIST790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Human-Animal Studies

School of Humanities

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

HUAN790 Human-Animal Studies PhD
120 Points 1.0000 EFTS
Human-Animal Studies PhD
P: Subject to approval of the Head of Department.
HUAN790-24A (C) **Starts Anytime**
HUAN790-24A (D) **Starts Anytime**

Human Interface Technology

Hangarau ā-Kanohi | Human Interface Technology

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

HITD602 Human Interface Technology - Design and Evaluation
15 Points 0.1250 EFTS
The Human Interface Technology - Design and Evaluation course covers the aesthetic design of user interfaces, along with common evaluation methods used to assess them. Students will learn how to conduct statistical analyses for user interface evaluation. Individual as well as work in teams will be required to complete assignments. This course consists of lectures and assignments. Familiarity with basic statistical methods is recommended.
P: Subject to Approval of the College of Engineering Dean (Academic)
R: HITD601
HITD602-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

HITD603 Human Interface Technology - Prototyping and Projects
15 Points 0.1250 EFTS

The Human Interface Technology - Prototyping and Projects course covers the design and development of software, hardware and physical products from initial requirements gathering to a testable prototype. Students will learn how to determine requirements for a project, techniques for creating prototypes, interface programming, and electronics. Students will work individually and in teams to complete assignments. This course consists of lectures and assignments. Familiarity with basic programming concepts is recommended.

P: Subject to Approval of the College of Engineering Dean (Academic)
R: HITD601

HITD603-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

HITD690 Thesis in Human Interface Technology
90 Points 0.7500 EFTS

Thesis in Human Interface Technology.

P: Subject to the approval of the Dean of Engineering and Forestry

HITD690-24A (C) **Starts Anytime**

Part-time enrolment (0.4875 EFTS) is available on approval.

HITD790 Human Interface Technology PhD
120 Points 1.0000 EFTS

HITD Human Interface Technology PHD

P: Subject to approval by the Director of HIT Lab NZ

HITD790-24A (C) **Starts Anytime**

HITD790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Human Services

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

HSRV103 Violence in Society
15 Points 0.1250 EFTS

This course will introduce students to the contemporary issue of violence in society and its impact on the community. A broad overview will be provided of five main areas of violence: child protection; family violence; youth violence; institutional and cultural violence; and, crime and deviance.

HSRV103-24S2 (C) **Semester 2**

HSRV103-24S2 (D) **Semester 2**

HSRV104 Youth Realities
15 Points 0.1250 EFTS

The course introduces students to the diverse realities of 'youth' with a focus on multiple contexts. Students explore the concept of youth and the cultural, historical, political and economic contexts in which young people live and the decisions that they make. We critically consider the issues that place young people outside the margins of dominant society, and the responses, models and theoretical frameworks used in youth studies.

R: SOWK104
EQ: SOWK104

HSRV104-24S1 (C) **Semester 1**

HSRV104-24S1 (D) **Semester 1**

HSRV201 Communication in the Human Services
15 Points 0.1250 EFTS

This course provides foundation knowledge and skills in interpersonal communication. The context of human communication is considered in terms of the impact of gender, class and culture and how these elements mediate social relationships. The focus of the course is on enhancing communication effectiveness in different organisational contexts. An introduction to korero Māori is integral to the course in terms of the New Zealand context.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
R: SOWK201
EQ: SOWK201

HSRV201-24S1 (C) **Semester 1**

HSRV201-24S1 (D) **Semester 1**

HSRV202 Human Behaviour and Human Systems
15 Points 0.1250 EFTS

This course examines the applications to human services of primary knowledge about human functioning and social behaviours, drawing on contemporary theories of psychosocial processes. The course explores selected developmental and external challenges facing children and families in New Zealand. The focus of the course is on usual developmental processes and the interface between individual and societal expectations, and implications for social service delivery.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
R: SOWK202
EQ: SOWK202

HSRV202-24S1 (C) **Semester 1**

HSRV202-24S1 (D) **Semester 1**

HSRV204 Culture, Indigeneity and Citizenship: Critical Debates for the Human Services
15 Points 0.1250 EFTS

The course provides a critical introduction to the historical and current debates of culture, indigeneity and citizenship. The course focuses on debates that move beyond conventional notions of culture, indigeneity and citizenship, and treats these as strategic concepts that are central in the analysis of global/local identities, participation, empowerment, and social justice. Understanding how other communities, populations, groups and individuals organise their lives and participate in the social world enables us to develop theoretically informed tools for providing practical analysis and advice in the shaping/construction of human services agencies and practice.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.

HSRV204-24S2 (C) **Semester 2**

HSRV204-24S2 (D) **Semester 2**

HSRV208 Gender Sensitivity and the Human Services
15 Points 0.1250 EFTS

This course provides students with the opportunity to critically investigate shifting socio-cultural constructions of gender. Students are introduced to theories, experiences and issues of gender, to think about how gender matters in the choices and opportunities available to us; in shaping ideas regarding individual and social well-being; the ways in which gender is experienced, defined, validated, and reworked.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
R: HSRV308

HSRV208-24S1 (C) **Semester 1**

HSRV208-24S1 (D) **Semester 1**

HSRV209 Humans, Animals and Society
15 Points 0.1250 EFTS

This course introduces students to the study of human relations with other species and the natural world. It provides students with the opportunity to question taken for granted assumptions about nature, the environment and the roles of animals in society and the human services. The topic adopts a social justice approach and includes consideration of issues such as ecofeminism, animal liberation and speciesism in relation to other forms of oppression. The course provides students with the opportunity to question taken for granted assumptions about power as well as encouraging students to think about the nature, form and process of advocacy on behalf of the marginalized.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
R: CULT209
EQ: CULT209

HSRV209-24S1 (D) **Semester 1**

HSRV209-24S1 (C) **Semester 1**

HSRV210 Gender, Crime and Social Theory
15 Points 0.1250 EFTS

This course considers a range of explanatory theories emanating from a range of disciplines that contribute to current understandings of gender, crime, deviance, social theory and social control. There is significant input from visiting professionals in criminal justice and allied practices relevant to the topic. Theories and constructions of crime, deviance, violence and gender will be discussed as these relate to gendered experiences within and without the criminal justice system.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
R: HSRV303, HSRV310

HSRV210-24S2 (C) **Semester 2**

HSRV210-24S2 (D) **Semester 2**

HSRV211 Community Development: Concepts, Practice and the Dynamics of Change
15 Points 0.1250 EFTS

In this course, the concept of community in the modern world is explored, together with theoretical and practical approaches to understanding community development. An introduction is provided to community analysis and the dynamics of change in communities.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.

HSRV211-24S2 (C) **Semester 2**

HSRV211-24S2 (D) **Semester 2**

HSRV212 Family Violence
15 Points 0.1250 EFTS
This course will provide substantive content on the dynamics of family violence across three forms of violence including child abuse and neglect, intimate partner violence and elder abuse. Specialist law provides the means through which family violence concerns can be addressed by the State. Both voluntary and statutory responses are used in response to family violence. This course provides a broad overview of the ways in which the family and the state attempt to address the issue of family violence. Students will be introduced to research and literature pertaining to family violence from an international and New Zealand perspective and will use this to critique how family violence is both framed and responded to. The course utilises a blended learning format.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
R: HSRV206, SOWK212
EQ: SOWk212
HSRV212-24S1 (D) **Semester 1**

HSRV215 Sport, Exercise and Development
15 Points 0.1250 EFTS
This course provides the opportunity to explore socio-cultural constructions of sport and exercise. Students are introduced to key social theories to develop an understanding of the cultural, political and economic processes of sport and the role of sport in constructing dominant ways of thinking in relation to gender, ethnicity, sexuality, (dis)ability, class and nationality. We critically consider issues in the promotion of sport and exercise in areas of health, wellbeing and social development within local and global contexts. The inclusion of guest lecturers in specialist areas and current research from staff ensures that the course is cutting edge.

P: 15 points at 100 level in HSRV AND 15 points from either Schedule V to the BA, Schedule C to the BSW(Hons), Schedules C or E to the BCJ; OR 60 points from the BA, BSW(Hons) or BCJ.
HSRV215-24S1 (D) **Semester 1**
HSRV215-24S1 (C) **Semester 1**

HSRV216 Introduction to Public Policy and Policy Analysis
15 Points 0.1250 EFTS
This course introduces concepts of and approaches to public policy analysis and evaluation. The course examines the interaction of expertise, society, and public policy and clarifies the intricacies of the policy process in light of technological and social change.

P: Any 15 points at 100 level from HLTH, HSRV, or POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
R: POLS206
HSRV216-24S1 (C) **Semester 1**

HSRV301 Change and Human Systems
30 Points 0.2500 EFTS
This course uses theory to illuminate the functioning and processes of change within and across family, organisation, community and global systems. In addition to critically examining the relationship between oppression, empowerment and change in human systems, the course broadly considers ethical values and the legal obligations of human service delivery systems.

P: HSRV204 and any 15 points at 200 level from HSRV or SOWK, or any 60 points at 200 level from the Schedule V of the BA.
HSRV301-24S1 (C) **Semester 1**
HSRV301-24S1 (D) **Semester 1**

HSRV310 Gender, Crime and Social Theory
30 Points 0.2500 EFTS
This course considers a range of explanatory theories emanating from a range of disciplines that contribute to current understandings of gender, crime, deviance, social theory and social control. There is significant input from visiting professionals in criminal justice and allied practices relevant to the topic. Theories and constructions of crime, deviance, violence and gender will be discussed as these relate to gendered experiences within and without the criminal justice system.

P: 30 points at 200 level in HSRV, or any 15 points at 200-level in HSRV & 30 points at 200 level from Schedule C (BSW) or Schedule V (BA) or Schedule C or E (BCJ). Students with at least 60 points in appropriate courses may enter with permission of HSRV Programme Coordinator.
R: HSRV210, HSRV303
HSRV310-24S2 (D) **Semester 2**
HSRV310-24S2 (C) **Semester 2**

HSRV311 Qualitative Research Methods
30 Points 0.2500 EFTS
This course introduces students to a range of qualitative research approaches. We begin by exploring the philosophical underpinnings of qualitative research, including methodological frameworks, theories, and controversies. Students learn about practical issues encountered in 'doing' research. Those practical issues include ethics of the research process; navigating cultures and hard-to-reach groups; data gathering via documents, interviews, and focus groups; and analysing data. Students are encouraged to think critically about the applicability of developing ethical research models within diverse contexts/settings. Through manageable research assignments, students become familiar with the business of research and how it fits within complex and diverse human service systems.

P: 30 points at 200 level in HSRV, or any 15 points at 200-level in HSRV and 30 points at 200 level from Schedule C (BSW) or Schedule V (BA) or Schedule C or E (BCJ). Students with at least 60 points in appropriate courses may enter with permission of the HSRV Progamme Coordinator.
R: HSRV302
HSRV311-24S1 (C) **Semester 1**
HSRV311-24S1 (D) **Semester 1**

HSRV316 Non-Governmental Organisations and Social Development
30 Points 0.2500 EFTS
This course investigates the characteristics and emergent role of NGOs in contemporary society within the context of challenges and issues related to social development. Learning will be integrated through the use of international and New Zealand case studies.

P: Any 30 points at 200 level from HSRV; or, any 15 pts at 200-level in HSRV, and 30 points at 200 level from Schedule C to the BSW, Schedule V to the BA, or Schedules C or E to the BCJ; or 60 points at 200 level from the BA, BSW or BCJ.
R: HSRV306
HSRV316-24S2 (C) **Semester 2**
HSRV316-24S2 (D) **Semester 2**

HSRV318 Gender Sensitivity in Human Services
30 Points 0.2500 EFTS
This course provides students with the opportunity to critically investigate shifting socio-cultural constructions of gender. Students are introduced to theories, experiences and issues of gender, to think about how gender matters in the choices and opportunities available to us; in shaping ideas regarding individual and social well-being; the ways in which gender is experienced, defined, validated, and reworked.

P: Any 30 points at 200 level from HSRV; or, any 15 pts at 200-level in HSRV, and 30 points at 200 level from Schedule C to the BSW, Schedule V to the BA, or Schedules C or E to the BCJ; or 60 points at 200 level from the BA, BSW or BCJ.
R: HSRV208, HSRV308
HSRV318-24S1 (C) **Semester 1**
HSRV318-24S1 (D) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

HSRV401 Advanced Debates and Approaches in Human Services
30 Points 0.2500 EFTS
This course critically explores debates concerned with processes of change within and across family, organisation, community and global systems. In addition to critically examining the relationship between oppression, empowerment and change in human systems, the course considers ethical values and the legal obligations of national and international human service delivery systems.

P: Subject to approval of the Head of Department.
HSRV401-24S1 (C) **Semester 1**
HSRV401-24S1 (D) **Semester 1**

HSRV407 The Policies and Politics of Sex
30 Points 0.2500 EFTS
This course provides students with an interest in human service practice the opportunity to investigate shifting socio-cultural constructions of sexuality with an emphasis on the contradictions and complexities in the social regulation of sexuality and the contours of state control. Issues relating to human service practice explored in the course include: reproductive rights; law reforms, queer culture and homophobia; local and international control of prostitution; the emergence of sexual rights; pornography and eroticism; sex education and the hidden curriculum; sex and harassment; sexual violence; safe sex and the HIV/AIDS era; sexuality and ageing; cultural sexualities; the medicalisation of sexuality and the transgendered body.

P: Subject to approval of the Head of Department.
R: CULT419
EQ: CULT419
HSRV407-24S1 (D) **Semester 1**
HSRV407-24S1 (C) **Semester 1**

HSRV421 Qualitative Research for the Human Services
30 Points 0.2500 EFTS
This course introduces a range of qualitative research methodologies and methods emphasising both conceptual appreciation and technical competence. Students will learn how to develop research questions relevant to the study of the human services and how to apply qualitative methods within this dynamic and diverse context.

P: Subject to approval of the Head of Department.
R: SOWK621/SOWK617
HSRV421-24S1 (C) **Semester 1**
HSRV421-24S1 (D) **Semester 1**

HSRV480 Research Essay
30 Points 0.2500 EFTS
In this course, students explore a research topic of their choice under the supervision of an appropriate staff member, subject to approval by the programme coordinator. This course is compulsory for all Honours students.
P: Subject to approval of the Head of Department.
HSRV480-24S2 (C) **Semester 2**
HSRV480-24S2 (D) **Semester 2**

HSRV650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
HSRV650-24A (C) **Starts Anytime**
HSRV650-24S1 (C) **Semester 1**
HSRV650-24S2 (C) **Semester 2**

HSRV690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
HSRV690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

HSRV790 Human Services PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
HSRV790-24A (C) **Starts Anytime**
HSRV790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Indigenous Narrative

Aotahi: Māori and Indigenous Studies

TAKI101 Te Whare Purakau 1
15 Points 0.1250 EFTS
This course is a wananga based course for Māori, Pacific and Indigenous students enrolled in the Bachelor of Digital Screen. It introduces students to current issues of working in screen industries through engagement with MPAI practitioners. Attention will be given to how contemporary MPAI communities use digital-story-scape to support their (cultural) communities.
P: Students must be Te Whare Purakau scholarship recipients in order to enrol in this course. Permission of the Head of Department is mandatory.
C: TITO101
TAKI101-24S1 (C) **Semester 1**

TITO101 Māori Storytelling
15 Points 0.1250 EFTS
This course introduces students to a wide range of Māori writing in English, and situates these works within a vast and vibrant whakapapa of Māori creative production in Aotearoa and beyond. Key themes within the course include: purakau and their contemporary retellings, Māori futurism(s), representations of kai and palate politics, the relationship between birds, writers, and the written word, and narrative sovereignty.
R: ENGL110, MAOR130
EQ: ENGL110 and MAOR130
TITO101-24S2 (C) **Semester 2**
TITO101-24S2 (D) **Semester 2**

TITO201 Indigilit - Indigenous Literature in Aotearoa and Beyond
15 Points 0.1250 EFTS
This course is a survey of Indigenous literature which presents Indigenous creative production in Aotearoa in relation to Indigenous literatures around the globe. Students are encouraged to consider various forms of narrative which constitute "literature" in Indigenous contexts, to critically engage with representations of and ideas about Indigenous peoples within a range of texts, and to read Indigenous texts comparatively.
P: 60 points at 100 level any subject
TITO201-24S2 (C) **Semester 2**

TITO202 Kiriata: Māori film and media
15 Points 0.1250 EFTS
This course is about Māori and Indigenous film, media and other creative works. It examines the political, historical, social, cultural and ideological influences that have shaped dominant mainstream constructions and counter-hegemonic representations of Māori and Indigenous peoples in film, media and creative works. It also highlights the roles of artist, director and industry to produce Māori stories and aesthetics. A number of films will be screened throughout the course.
P: Any 15 points at 100 level from CINE, MAOR, TITO, TREO, or any 60 points at 100 level from the Schedule V of the BA or BDigiScreenHons.
R: MAOR268, CINE213
EQ: MAOR268, CINE213
TITO202-24S1 (C) **Semester 1**

Information Systems

Te Tari Kaute me te Pūnaha Pārongo | Department of Accounting and Information Systems

INFO123 Business Information Systems and Technology
15 Points 0.1250 EFTS
Information technology plays a critical role in business and society, supporting business transformation and innovation, digital lifestyles, and how we communicate and collaborate. This course aims to help students understand how organisations can use data and technology to address business problems, to deliver business value and stay competitive, to create better processes, to improve connections with stakeholders, and to make better decisions. Students are exposed to the opportunities that new and emerging technologies provide, and develop problem-solving skills applicable to any area in business as well as practical skills to capture, organise and use data to support decision-making.
R: ACIS123, AFIS123, AFIS124
INFO123-24S1 (C) **Semester 1**
INFO123-24S2 (C) **Semester 2**

INFO125 Introduction to Programming with Databases
15 Points 0.1250 EFTS
Computer programming with an emphasis on the development of business applications with the .NET framework and their connection to databases. It includes an introduction to programming logic and concepts, the Visual Studio environment, processing data, and using SQL to retrieve and update data. The course makes extensive use of problem solving exercises and hands-on tutorials.
R: ACIS125, AFIS125
INFO125-24S1 (C) **Semester 1**

INFO213 Object-Oriented Systems Development
15 Points 0.1250 EFTS
The course focuses on the concepts and methods for object-oriented (OO) analysis, design, and development of information systems. The course provides an opportunity to follow a complete project development lifecycle, starting from system analysis, to design, implementation, maintenance and testing, using the Jade software development platform. The course places equal emphasis on theoretical OO knowledge and applying this to OO system implementation.
P: 30 points from INFO123, INFO125, COSC121, COSC131, COSC122
R: ACIS213 and AFIS213 after 1996.
INFO213-24S1 (C) **Semester 1**

INFO223 Business Systems Analysis
15 Points 0.1250 EFTS
Explores key concepts and techniques applicable to traditional and agile approaches to the analysis, design and development of business information system solutions. Coverage includes project planning, analysis of business systems, processes, and requirements; principles of user interface design; prototyping; communication skills. Students use software to model organisational data and business processes, and design and prototype IS solutions for real-world business problems.
P: (1) INFO 123 or INFO 125 or COSC121 or COSC131 or COSC 122; and (2) An additional 15 points from the Commerce Schedule.
R: INFO203, ACIS203, AFIS203, AFIS223
INFO223-24S2 (C) **Semester 2**

INFO243 Accounting Information Systems
15 Points 0.1250 EFTS
Core business subsystems and processes that allow organisations to operate effectively and efficiently. Includes enterprise databases; process and pervasive controls in the context of the development life cycle of accounting information systems; frameworks for evaluation of accounting information systems and their processes. Students develop practical skills in using at least one accounting information system package for small businesses, and advanced skills using Excel to manipulate business data.
P: ACCT103 and INFO123
R: ACIS243, AFIS243
INFO243-24S2 (C) **Semester 2**

INFO253 Internet Business and Technology
15 Points 0.1250 EFTS
An introduction to Electronic Commerce (e-Commerce) principles and practices based on the relationship between business development and strategy, internet technology and the social and legal environment. The course examines a range of internet technologies including social media and mobile technologies focusing on how organisations can use these to improve their performance and relationships with customers and suppliers. Concepts are applied to real life case scenarios. Students develop practical skills by designing a prototype B2C application and applying user experience design principles.

P: (1) INFO 123 or INFO 125 or COSC121 or COSC131 or COSC 122; and (2) An additional 15 points
R: INFO233

INFO253-24S1 (C) **Semester 1**

INFO260 Data Management
15 Points 0.1250 EFTS
The course introduces a range of topics that underpin data management in contemporary organisations. The first part of the course focuses on data architecture, data modelling, data administration, and data warehousing. The second part of the course introduces the concepts of Big Data. In its wider scope the course is designed to expose the students to real-life issues in data management and database management systems in the modern environment.

P: 1) INFO123 or INFO125 or COSC101 or COSC121 or COSC131 or COSC122 or DIGI101; and (2) An additional 15 points

INFO260-24S2 (C) **Semester 2**

INFO261 Introduction to Business Analytics
15 Points 0.1250 EFTS
The aim of this course is to help students develop an understanding of business analytics, and provide an opportunity to gain experience with diverse methods and technologies related to common aspects of analytics. Key concepts, analytical techniques and tools applicable to different aspects of data analytics and data-driven decision-making are introduced. Students completing this course have an opportunity to develop fundamental skills in the use of common business analytics tools including data visualization/visual analytics, regression, cluster analysis and exploratory data analysis, and apply these to decision-making in organisations.

P: (1) 15 points from STAT101, DATA101, DIGI103; and (2) 15 points from INFO123, INFO125, COSC101, COSC121, COSC122, COSC131, DIGI101
R: MBIS624

INFO261-24S1 (C) **Semester 1**

INFO263 Web Design and Development
15 Points 0.1250 EFTS
An introduction to the design and development of business applications based on internet and World Wide Web technologies. The course covers the concepts and practices of web design and development, including development of dynamic content websites as well as the technological infrastructure necessary to support these systems. Practical application of concepts will be carried out in weekly labs involving the design and construction of business web sites.

P: 30 points from (INFO 123, INFO 125, COSC 121, COC131, COSC 122)
R: INFO233

INFO263-24S2 (C) **Semester 2**

INFO343 IT Governance and Strategy
15 Points 0.1250 EFTS
The course focuses on organisational leadership, structures and IT management processes to support and sustain business strategies. It examines important concepts and models related to managing IT such as IT strategy, IT planning, IT alignment and IT evaluation. The course provides students with knowledge and skills to be able to make useful contributions to a range of IT related decisions in organisations.

P: (1) 15 points at 200 level from INFO; and (2) an additional 30 points at 200-level or above
R: INFO303, ACIS303

INFO343-24S2 (C) **Semester 2**

INFO353 Emerging IT for Business
15 Points 0.1250 EFTS
Emerging and disruptive technologies are pervasive and transformational, changing the way in which people and businesses operate. Drawing on cutting-edge research, this course explores new technologies, trends, business models, issues and impacts. Students will critically analyse technology trends and make recommendations aimed at delivering significant, enduring and transformative business impacts, products, services and customer value.

P: (1) INFO123; and (2) An additional 45 points at 200-level or above.
R: INFO635

INFO353-24S2 (C) **Semester 2**

INFO360 Business Process Management
15 Points 0.1250 EFTS
Business process management combines powerful technology, data and people expertise to reimagine processes and drive digital transformation. This course aims to develop an understanding of business processes and how they can be analysed and improved using IT. Process mapping skills for 'as-is' and 'to-be' business processes are developed and practiced, as well as techniques for change analysis, problem finding and resolution, technology impact analysis, benchmarking, error proofing and change management.

P: (1) 15 points at 200-level INFO, COSC or SENG; and (2) An additional 30 points at 200-level or above

INFO360-24S1 (C) **Semester 1**

INFO361 Business Intelligence and Analytics
15 Points 0.1250 EFTS
This course covers key principles and practices related to the use of business intelligence (BI) systems to support strategy and decision-making. Topics include performance dashboards and data visualisation; descriptive, predictive and predictive analytics; data, text and web mining; future trends and directions. Real data-sets and industry-standard tools will be used to demonstrate key principles of BI and to help students develop analytical and problem-solving skills related to BI solutions.

P: (1) INFO123; and (2) 45 points at 200-level or above
RP: STAT101

INFO361-24S2 (C) **Semester 2**

INFO390 Information Systems Internship
15 Points 0.1250 EFTS
An information systems internship (or project) that enables real world work experience or the (further) development of knowledge and/or expertise in information systems related subjects. Development of problem solving, reflection, synthesis, project management, risk management and communication skills.

P: (1) 45 points at 200-level INFO; and (2) 15 points at 200-level INFO, COSC or SENG; and (3) Subject to Head of Department Approval
R: INFO362, INFO330, ACCT390, ECON390, FINC390, MKTG390

INFO390-24S1 (C) **Semester 1**
INFO390-24S2 (C) **Semester 2**

INFO393 Information Systems Project Management
15 Points 0.1250 EFTS
This course aims to develop an understanding of the role and responsibilities of a project manager, the challenges of IS project management, and the tools and techniques for successful IS project management.

P: (1) 15 points at 200-level from INFO, COSC or SENG; and (2) An additional 30 points at 200 level
R: INFO313, ACIS313, AFIS313, MSCI322, MSCI324, MGMT372, MSCI372

INFO393-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

INFO614 Research Methodology and Epistemology
30 Points 0.2500 EFTS
INFO614 seeks to provide students with a thorough introduction to the principal assumptions that underpin the development of research ideas in accounting, information systems and related disciplines. More particularly, it seeks to expose students to the theoretical and philosophical foundations of knowledge and reality. You will also be introduced to both quantitative and qualitative research methods

P: Subject to approval of the Head of Department
R: ACCT614, ACIS614, AFIS614

INFO614-24S1 (C) **Semester 1**
INFO614-24S2 (C) **Semester 2**

INFO620 Information Systems Research
15 Points 0.1250 EFTS
The course examines key strategic and contemporary issues related to the management and use of information systems and technology, including their theoretical and practical implications for organisations and society.

P: Subject to approval of the Head of Department.
R: ACIS620, AFIS620, AFIS610

INFO620-24S2 (C) **Semester 2**

INFO621 Artificial Intelligence (AI) in Business
15 Points 0.1250 EFTS
Artificial Intelligence is transforming our world, giving power to organisations, individuals and machines. This course overviews AI technologies and techniques in the context of specific business objectives, models and industries. By analysing the latest innovative use cases, the course will provide insights into the opportunities, business and society impacts and implications of AI. Students will apply their knowledge to a real life organisation to develop a business case and an implementation plan for an AI based solution.

P: Subject to approval of the Head of Department

INFO621-24S1 (C) **Semester 1**

INFO634 Data Analytics & Business Intelligence
15 Points 0.1250 EFTS
The aim is to help students develop an understanding and gain experience with key aspects of business data analytics its applications, systems, processes and practices, and be able to engage critically with the opportunities, issues and challenges that underpin supporting and engaging with business intelligence and analytics in organisations. Key concepts, analytical techniques and tools applicable to various aspects of data science/business analytics, including the collection, integration, analysis, and presentation of organisational information, and data-driven decision making in businesses and otherwise are introduced and applied.
P: Subject to approval of the Head of Department
INFO634-24S2 (C) **Semester 2**

INFO680 Research Project
30 Points 0.2500 EFTS
This course is one of individual study under personal supervision. It entails carrying out research over a seven month period, and writing a report about how and why the research was conducted, what was found and the implications of these findings. The course is designed for students completing the B.Com(Hons) degree in information systems.
P: Subject to approval of the Head of Department
R: ACCT680, ACIS680, AFIS680
INFO680-24A (C) **Starts Anytime**
INFO680-24W (C) **Whole Year (S1 and S2)**

INFO690 MCom Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
R: ACIS690, AFIS690
INFO690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

INFO691 MCom Dissertation
60 Points 0.5000 EFTS
P: Subject to approval of the Head of Department
INFO691-24A (C) **Starts Anytime**

INFO694 MCom Thesis
90 Points 0.7500 EFTS
P: Subject to approval of the Head of Department
INFO694-24A (C) **Starts Anytime**

INFO790 Information Systems PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
R: ACIS790, AFIS790
INFO790-24A (C) **Starts Anytime**
INFO790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Innovation

Te Tari Whakahaere, Whakatairanga me te Rakahinonga | Department of Management, Marketing and Entrepreneurship

INOV200 Opportunities: Here, There and Everywhere
15 Points 0.1250 EFTS
Students are introduced to the entrepreneurial worldview that opportunities for innovation can be found across geographic, socioeconomic, industry, and cultural boundaries. Students must demonstrate an entrepreneurial mindset through which they constantly seek to recognize innovation opportunities, across multiple contexts. Students are required to identify innovation opportunities that are local, national, and international in scope.
P: Any 60 points
INOV200-24S1 (C) **Semester 1**

INOV201 Will it Fly?: Feasibility Assessment of New Innovation
15 Points 0.1250 EFTS
This course examines the significant differences between novelty and innovativeness. Students are expected to demonstrate a fluency with multiple types of analyses in order to ultimately provide a compelling answer to the important question of whether a creative idea is feasible (based on an assessment of physical, financial, market, regulatory, cultural, and other conditions).
P: Any 60 points.
RP: INOV200
INOV201-24S2 (C) **Semester 2**

INOV290 Enterprise in Practice (Project)
15 Points 0.1250 EFTS
This course leverages your innovation and creative thinking through a real-world project to make a difference for an organisation. Over the course of the semester, you will work in a team to come up with a concept solution to a challenge posed by a business, social enterprise or other organisation. If you have your own idea for a venture you may have the opportunity to work on that venture as your project. You will gain real-world experience working with key stakeholders and mentors and will learn to apply a number of business tools and techniques as you come up with your concept solutions. This is an opportunity for you to have a real impact for an organisation.
P: 120 points at 100-level or above
R: BSNS290
INOV290-24S2 (C) **Semester 2**

International Law and Politics

Te Kaupeka Ture | Faculty of Law

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ILAP604 International Criminal Law
15 Points 0.1250 EFTS
P: Subject to approval of the Programme Director.
R: DIPL421 (before 2014), LAWS321
ILAP604-24S1 (C) **Semester 1**

ILAP608 World Trade Law
15 Points 0.1250 EFTS
An examination of the major agreements and institutions relation to international trade.
P: Subject to approval of the Programme Director.
R: DIPL402 (before 2014), DIPL411, LAWS338
ILAP608-24S2 (C) **Semester 2**

ILAP613 Advanced Principles of Public International Law
15 Points 0.1250 EFTS
A seminar-based course, involving an advanced study of the principles of public international law. This course is a compulsory component of the LLM (IntLaw&Pols).
P: Subject to approval of the Programme Director.
ILAP613-24S1 (C) **Semester 1**

ILAP614 Principles and Practice of International Relations and Diplomacy
15 Points 0.1250 EFTS
This course offers a blend of theoretical and practical insight into international relations and diplomacy. The first part of the course will provide foundational knowledge of the principles, theories and historical dimensions of foreign policy and diplomacy. The second part of the course will be composed of a series of intensive professional seminars, providing students with detailed practical insights into complex and difficult cases in international relations and diplomacy through the experiences of those involved in them.
P: Subject to the approval of the Head of School
R: POLS 441
ILAP614-24S1 (C) **Semester 1**

ILAP630 Law of the Sea
15 Points 0.1250 EFTS
P: Subject to approval of the Programme Director.
R: LAWS362 prior to 2010; LAWS364
ILAP630-24S2 (C) **Semester 2**

ILAP640 Dissertation
60 Points 0.5000 EFTS
P: Subject to approval of the Programme Director.
R: ILAP650
ILAP640-24FY (C) **Full Year (February to February)**
ILAP640-24CY (C) **Cross Year**

ILAP641 The Rights of Indigenous Peoples
15 Points 0.1250 EFTS
This course aims to give students a solid understanding of the international human rights law framework for the promotion and protection of Indigenous Rights.
P: Subject to the approval of the Dean of Law
R: LAWS358
ILAP641-24S2 (C) **Semester 2**

Japanese

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

JAPA108 Introduction to Japanese Culture
15 Points 0.1250 EFTS

A survey course which covers selected topics of Japan's society, geography, institutions, religion, arts, culture and thought.

JAPA108-24S1 (C) **Semester 1**

JAPA125 Elementary Japanese A
15 Points 0.1250 EFTS

This course is designed for students with little or no previous knowledge of the Japanese language. Teaching will focus on the four basic language skills of reading, writing, speaking and listening. At the end of the course, students should be able to read and write the kana scripts, know a range of Japanese vocabulary, and understand and actively use some elements of basic modern grammar. They will be able to conduct simple conversations in Japanese and will be familiar with key cultural aspects.

R: JAPA141, JAPA115, JAPA127

JAPA125-24S1 (C) **Semester 1**

JAPA126 Elementary Japanese B
30 Points 0.2500 EFTS

This course follows on from JAPA 125 or JAPA 127, and is the entry point for students with NCEA level 2 Japanese or equivalent. Teaching will focus on the four basic language skills of reading, writing, speaking and listening. At the end of the course, students should be able to understand and actively use a wide range of basic modern Japanese grammar and vocabulary, and approximately 120 kanji characters and be familiar with a range of key cultural aspects.

P: JAPA125, or NCEA Level 2 Japanese with at least 12 credits, or placement test.
R: JAPA142, JAPA115, JAPA116

JAPA126-24S2 (C) **Semester 2**

JAPA212 Japanese Society and Culture in Film and Literature
15 Points 0.1250 EFTS

This course covers outstanding examples of modern (post 1867) and contemporary literature and film, including animated movies. Works covered have been selected both for their artistic merit and for their culturally interesting subject matter. Themes include the conflict between traditional and western values, colonialism and ethnic minorities such as Okinawa, the effects of the Second World War and the atomic bombings, post-war economic growth and its effect on people's lives, the 1960s-70s student movement, and contemporary postmodern consumer society. The aims of the course are twofold: (a) to provide some basic skills in 'reading' modern Japanese literature and film and (b) to promote an understanding of Japanese society and its people. No knowledge of Japanese language is required.

P: JAPA108, or any 60 points at 100 level from the Schedule V of the BA.

JAPA212-24S2 (C) **Semester 2**

JAPA214 Intermediate Japanese A
15 Points 0.1250 EFTS

This course builds upon the 100-level elementary language courses. By the end of the course students will have acquired a preliminary knowledge of intermediate level Japanese grammar and will also have learned approximately 200 kanji and approximately 1200 words and phrases.

P: JAPA126, or NCEA Level 3 Japanese with at least 12 credits, or placement test.
R: JAPA151, JAPA152, JAPA153, JAPA154, JAPA105, JAPA201, JAPA215
RP: Students should be able to read and write all of the katakana and hiragana script as well as at least 150 kanji and have knowledge of basic Japanese grammar and approximately 800 words and phrases.

JAPA214-24S1 (C) **Semester 1**

JAPA215 Intermediate Japanese
45 Points 0.3750 EFTS

This course builds upon the 100-level elementary language courses. By the end of the course students will have acquired a knowledge of intermediate level Japanese grammar and will also have learned approximately 400 kanji and approximately 2500 words and phrases.

P: JAPA126, or NCEA Level 3 Japanese with at least 12 credits, or placement test.
R: JAPA151, JAPA152, JAPA153, JAPA154, JAPA105, JAPA201
RP: Students should be able to read and write all of the katakana and hiragana script as well as at least 150 kanji and have knowledge of basic Japanese grammar and approximately 800 words and phrases.

JAPA215-24W (C) **Whole Year (S1 and S2)**

JAPA216 Intermediate Japanese B
30 Points 0.2500 EFTS

JAPA216 is a second semester Japanese language course that is designed for students who know approximately 200 kanji and 1200 words and phrases. Direct entry is by placement test and discussion with the Programme Director. The course builds on all four language learning areas - reading, writing, speaking and listening. By the end of the course an additional 100 kanji and 500 words and phrases will have been mastered.

P: Placement test or discussion with Programme Director.
R: JAPA153, JAPA154 and JAPA215.

JAPA216-24S2 (C) **Semester 2**

JAPA317 Advanced Japanese Language A
30 Points 0.2500 EFTS

The purpose of this course is to prepare students to, on the one hand, conduct research using Japanese materials and, on the other hand, for the work environment through practical training in writing, communicating and giving spoken presentations in Japanese. In addition, the course aims to provide some 'authentic,' real-life experience in using Japanese, and to build community links, through engagement with the Japanese Community/Community of Practice and Learning Community. Students will be given the opportunity to further develop their communicative competence and a variety of other skills through project work. JAPA 317 will build upon the prerequisite courses, JAPA 326 Advancing Japanese B and JAPA305 Japanese Language 3.

P: Subject to approval of the Programme Head.
R: JAPA414

JAPA317-24S1 (C) **Semester 1**

JAPA318 Advanced Japanese Language B
30 Points 0.2500 EFTS

The purpose of this course is to prepare students to, on the one hand, conduct research using Japanese materials and, on the other hand, for the work environment through practical training in writing, communicating and giving oral presentations in Japanese. In addition, the course aims to provide some 'authentic,' real-life experience in using Japanese, and to build community links, through engagement with the Japanese Community/Community of Practice and Learning Community. Students will be given the opportunity to further develop their communicative competence and a variety of other skills through project work and field trips. JAPA 318 will build upon the prerequisite course, JAPA 317 Advancing Japanese A.

P: JAPA317 or equivalent subject to approval of the Programme Head.
R: JAPA415

JAPA318-24S2 (C) **Semester 2**

JAPA325 Advancing Japanese A
30 Points 0.2500 EFTS

This course builds upon JAPA 215. Teaching will focus on the four basic language skills of reading, writing, speaking and listening. By the end of the course students will have acquired a knowledge of upper intermediate / advanced level Japanese and be familiar with complex socio-cultural issues in modern Japan. As well as text-based learning, there will be a focus on task and project-based learning, which will equip students better to apply their language abilities in the workforce or in postgraduate-level learning.

P: JAPA215 or JAPA216, or placement test.
R: JAPA205, JAPA305, JAPA315, JAPA319

JAPA325-24S1 (C) **Semester 1**

JAPA326 Advancing Japanese B
30 Points 0.2500 EFTS

This course builds upon JAPA 325. Teaching will focus on the four basic language skills of reading, writing, speaking and listening. By the end of the course students will have acquired advanced Japanese language ability and be familiar with complex socio-cultural issues in modern Japan. As well as text-based learning, there will be a focus on task and project-based learning, which will equip students better to apply their language abilities in the workforce or in postgraduate-level learning.

P: JAPA325, or placement test.
R: JAPA305, JAPA315

JAPA326-24S2 (C) **Semester 2**

JAPA395 Japanese Professional and Community Engagement
30 Points 0.2500 EFTS

This is a professional and community engagement course designed specifically for students specializing in Japanese. The course provides an opportunity for the practical application of students' Japanese skills and theoretical and research issues in an authentic Japanese business or community environment with faculty supervision, guidance, and evaluation.

P: JAPA325 or equivalent
R: JAPA495

JAPA395-24S1 (C) **Semester 1**
JAPA395-24S2 (C) **Semester 2**

JAPA495 Japanese Professional and Community Engagement
30 Points 0.2500 EFTS

This is a professional and community engagement course designed specifically for students specializing in Japanese. The course provides an opportunity for the practical application of students' Japanese skills and theoretical and research issues in an authentic Japanese business or community environment with faculty supervision, guidance, and evaluation.

P: JAPA326 is the requisite course to complete a major in Japanese at BA level.
R: JAPA395

JAPA495-24S1 (C) **Semester 1**
JAPA495-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

JAPA414 Advanced Japanese Language A
15 Points 0.1250 EFTS
The purpose of this course is to prepare students to conduct research using Japanese materials. It will build upon the prerequisite 300-level course. On successful completion of JAPA414, the student should be able to read, comprehend, and summarise articles on various topics in standard modern Japanese.
P: JAPA326 with at least a B pass, or ARA course BLJA702 with at least a B pass, and subject to approval of the Programme Director.
R: JAPA317, JAPA407
JAPA414-24S1 (C) **Semester 1**

JAPA415 Advanced Japanese Language B
15 Points 0.1250 EFTS
The purpose of this course is to prepare students to conduct research using Japanese materials. It will build upon the prerequisite course, JAPA414: Advanced Japanese Language A. On successful completion of JAPA415, the student should be able to read, comprehend, and critique articles on various topics in standard modern Japanese.
P: JAPA414 and subject to approval of the Programme Director.
R: JAPA318, JAPA407
JAPA415-24S2 (C) **Semester 2**

JAPA420 Readings in Contemporary Japanese Literature: 1980s to the present
15 Points 0.1250 EFTS
The course introduces students to Japanese literary texts from the 1980s to the present. A selection of short stories and poetry by a range of contemporary authors, including Okinawan-Japanese novelists, are read and studied in the original Japanese. Students are introduced to various major literary and other theoretical discourses and these are then applied to analyze the texts from both literary and sociological points of view. Training is also provided in the translation of Japanese literary texts.
P: Subject to approval of the Programme Director.
R: JAPA405
JAPA420-24S2 (C) **Semester 2**

JAPA480 Research Essay
30 Points 0.2500 EFTS
In this course, students explore a research topic of their choice under the supervision of an appropriate staff member. This course is compulsory for all Honours students.
P: Subject to approval of the Programme Director.
JAPA480-24W (C) **Whole Year (S1 and S2)**
JAPA480-24S2 (C) **Semester 2**

JAPA690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.
JAPA690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

JAPA790 Japanese PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
JAPA790-24A (C) **Starts Anytime**
JAPA790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Journalism

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

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JOUR790 Journalism PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
JOUR790-24A (C) **Starts Anytime**
JOUR790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Law

Te Kaupeka Ture | Faculty of Law

LAWS101 Legal System: Legal Method and Institutions
30 Points 0.2500 EFTS
The LAWS101 course aims to provide a foundation in the skills of legal method, comprising case analysis, statutory interpretation and legal reasoning. It also introduces, and gives a descriptive outline of, the legal systems in Aotearoa | New Zealand and England, including the structure of the courts, the sources of law including the role of tikanga Māori, the classification of substantive law, dispute resolution and legal services. The course also provides an introduction to the international legal system.
C: LAWS110
R: CRJU150
LAWS101-24W (C) **Whole Year (S1 and S2)**

LAWS110 Legal Foundations, Research and Writing
15 Points 0.1250 EFTS
The course aims to provide a foundation in the skills of legal research and legal writing together with an academic grounding in topics fundamental to the New Zealand legal system. The course will involve training by way of proactive exercises in legal research and legal writing. It will also examine the historical development of New Zealand's legal system, fundamental constitutional doctrines and the significance of the Treaty of Waitangi within the New Zealand legal system.
C: LAWS 101
LAWS110-24S1 (C) **Semester 1**

LAWS202 Criminal Law
30 Points 0.2500 EFTS
The general principles of criminal liability. The law relating to indictable and other selected offences chargeable under New Zealand law. Procedure on indictment and summary procedure (excluding evidence).
P: LAWS203, LAWS205 and LAWS206
C: LAWS204, LAWS301
LAWS202-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

LAWS203 The Law of Contract
30 Points 0.2500 EFTS
The general principles of governing the formation of contracts, vitiating elements, breach of contract and remedies.
P: LAWS101 and LAWS110
C: LAWS205 and LAWS206
LAWS203-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

LAWS204 The Law of Torts
30 Points 0.2500 EFTS
General principles of civil liability. The law as to the various kinds of torts. The law relating to compensation for personal injury by accident in New Zealand.
P: LAWS101 and LAWS110
C: LAWS203, LAWS205 and LAWS206
LAWS204-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

LAWS205 Land Law
30 Points 0.2500 EFTS
The history and principles of land law.
P: LAWS101 and LAWS110
C: LAWS203 and LAWS206
LAWS205-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

LAWS206 Public Law
30 Points 0.2500 EFTS
The principles and working of the constitution, the institutions of government, the exercise of public power and relations between the citizen and the state. Controls on the exercise of public power, including an introduction to judicial review.
P: LAWS101 and LAWS110
C: LAWS203 and LAWS205
LAWS206-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

LAWS301 Equity and Trusts
15 Points 0.1250 EFTS
The principles of equity with particular reference to the law of trusts. The principles of the law of succession and of the administration of estates. Choses in action and their assignment.
P: LAWS203, LAWS205 and LAWS206
C: LAWS202 and LAWS204
LAWS301-24S1 (C) **Semester 1**

LAWS305 Company Law
15 Points 0.1250 EFTS
The course aims to provide a sound academic grounding in key areas of company law. It will examine the key topics of company incorporation, separate corporate personality, company constitutions and shareholder agreements, company capacity, legal relationships with third parties, company liability for criminal and civil wrongs, allocation of power within a company, shareholders in general meeting, the board of directors, duties of directors, equity financing, accounts and disclosure, and enforcement.
C: LAWS202-LAWS206
R: LAWS312
LAWS305-24S1 (C) **Semester 1**

LAWS307 The Principles of Evidence
15 Points 0.1250 EFTS
The course aims to provide a sound academic grounding in key principles of the law of evidence. It will examine the key topics of relevance, reliability, probative value, illegitimate prejudice, the influence of human rights, burden of proof, rules of inadmissibility (including hearsay, veracity and propensity and privilege), and trial procedure. In focusing on these key aspects of the law of evidence this course will adopt a strong principle based approach in which the theoretical underpinnings of the development of the law will be examined and discussed.
C: LAWS202-LAWS206
R: LAWS316, CRJU308
LAWS307-24S2 (C) **Semester 2**

LAWS309 Child and Family Law
15 Points 0.1250 EFTS
The course aims to provide a sound academic grounding in key areas of Child and Family Law, including Dispute Resolution, Guardianship, Parenting Orders, Child Abduction, Child Abuse and Domestic Violence.
C: LAWS202-LAWS206
R: LAWS317
LAWS309-24S2 (C) **Semester 2**

LAWS320 NZ Bill of Rights Act 1990
15 Points 0.1250 EFTS
The course focuses on the New Zealand Bill of Rights Act 1990, and involves consideration of the origins and theory behind the legislation and comparison with similar laws in other jurisdictions. There will be case studies of certain protected rights (eg freedom of speech, rights to legal representation in criminal trials, freedom from unreasonable search and seizure).
C: LAWS202-206
LAWS320-24S1 (C) **Semester 1**

LAWS321 International Criminal Law
15 Points 0.1250 EFTS
International Criminal Law introduces students to the nature and cause of international and transnational crimes and to the mechanisms for the suppression and punishment of these crimes through international law.
P: LAWS324
C: LAWS202-LAWS206
R: CRJU309
EQ: CRJU309
LAWS321-24S1 (C) **Semester 1**

LAWS323 Immigration and Refugee Law
15 Points 0.1250 EFTS
An examination of selected domestic and international issues in immigration and refugee law.
C: LAWS202-LAWS206
LAWS323-24S1 (C) **Semester 1**

LAWS324 Principles of Public International Law
15 Points 0.1250 EFTS
Introduction to international law that applies to states and other international legal persons and provides the framework for international diplomacy in times of peace and war.
C: LAWS202-LAWS206
R: LAWS342, LAWS375 (prior to 2006)
LAWS324-24S2 (C) **Semester 2**

LAWS326 Treaty Settlement Negotiations
15 Points 0.1250 EFTS
An examination of the New Zealand Treaty of Waitangi claims settlement process. This course provides an introduction to the wider context of Treaty settlements including legislation, policy and specific negotiations.
C: LAWS202-LAWS206
LAWS326-24S1 (C) **Semester 1**

LAWS330 Intellectual Property Law
15 Points 0.1250 EFTS
An introduction to intellectual property law in New Zealand, including copyright, registered trade marks, passing off, and patents.
C: LAWS202-LAWS206
LAWS330-24S1 (C) **Semester 1**

LAWS331 Commercial Law I: Sales and Consumer Law
15 Points 0.1250 EFTS
The course involves a detailed study of the law relating to sale of goods, consumer guarantees, fair trading and other consumer protection legislation.
C: LAWS202-206
R: LAWS311
LAWS331-24S1 (C) **Semester 1**

LAWS332 Commercial Law II: Personal Property Security and Credit
15 Points 0.1250 EFTS
The course involves a detailed study of the law relating to personal securities, as well as associated topics such as credit contracts.
C: LAWS202-LAWS206
R: LAWS311
LAWS332-24S2 (C) **Semester 2**

LAWS335 Insolvency Law
15 Points 0.1250 EFTS
An examination of selected personal and corporate law insolvency issues.
C: LAWS202 - 206
LAWS335-24S2 (C) **Semester 2**

LAWS338 World Trade Law
15 Points 0.1250 EFTS
An examination of the major agreements and institutions relating to international trade.
C: LAWS202-LAWS206
R: ILAP608
LAWS338-24S2 (C) **Semester 2**

LAWS339 Negotiation and the Lawyer
15 Points 0.1250 EFTS
Theory and practice of negotiation, lawyers' roles and professional responsibility.
C: LAWS202-LAWS206
R: LAWS369 (prior to 2006)
LAWS339-23SU2 (C) **Summer (Nov 23)**
Limited entry. See limitation of entry regulations.

LAWS344 Gender and the Law
15 Points 0.1250 EFTS
This course will provide an introduction to feminist legal theory and analyse areas of law that raise gender issues, including in a bicultural context.
C: LAWS202-LAWS206
LAWS344-24S1 (C) **Semester 1**

LAWS348 Research Project
15 Points 0.1250 EFTS
Note: Students must have a B average in LAWS courses in order to enrol in this course.
P: Head of Department permission mandatory
C: LAWS202-LAWS206
R: LAWS379 (prior to 2006)
LAWS348-24S1 (C) **Semester 1**
LAWS348-24S2 (C) **Semester 2**

LAWS352 Taxation Law
15 Points 0.1250 EFTS
An introduction to income tax. The course also includes tax planning and tax avoidance, and the role of lawyers in tax investigations and dispute resolution.
C: LAWS202-LAWS206
R: LAWS394 (1999), LAWS395 (2000-2001)
LAWS352-24S2 (C) **Semester 2**

LAWS358 The Rights of Indigenous Peoples
15 Points 0.1250 EFTS
This course aims to give students a solid understanding of the international human rights law framework for the promotion and protection of Indigenous Rights.
C: LAWS202-LAWS206
LAWS358-24S2 (C) **Semester 2**

LAWS359 Trial Advocacy
15 Points 0.1250 EFTS
Theory and practice of trial advocacy.
P: LAWS316 or LAWS307.
C: LAWS202-LAWS206
R: LAWS389 (prior to 2006)
LAWS359-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

LAWS362 Disasters and the Law
15 Points 0.1250 EFTS
The course will cover (a) the constitutional, administrative and legislative framework for coping with disasters in New Zealand; (b) the legal impact of disasters on contractual relationships generally and on employment contracts, residential tenancies and insurance contracts; (c) disaster risk management and mitigation as it applies to legal issues. (d) a range of particular issues raised by disasters, presented by UC staff, guest lecturers or panellists. These include, but are not limited to, issues such as family law, resource management, insurance, criminal justice and law enforcement, media and privacy law issues, frustration of contract; commercial and residential tenancies and employment law as they may apply in a disaster or post-disaster context. The identification of disaster risks which may affect lawyers and legal issues and how these risks may be managed and reduced.
C: LAWS202-LAWS206
LAWS362-24S2 (C) **Semester 2**

LAWS363 Employment Law
15 Points 0.1250 EFTS
The information set out below is a guide to what the course is likely to include: - Introductory lectures briefly cover key concepts under the Employment Relations Act; - Issues arising in pre-employment; - The law relating to classification of an "employment agreement" as distinct from other contracts for the performance of work and, particularly, the principal/independent contractor relationship; - Formation of individual employment agreements (for example, the requirement to bargain in good faith, minimum statutory requirements as to content, and incorporation of terms); - Operation of individual employment agreements (for example, the role of good faith under s 4 of the Employment Relations Act and significant implied terms, such as the duty not to disclose confidential information); - Intro to Employment Law institutions - focusing on Employment Relations Authority and Employment Court; - Personal grievance claims (with a focus on unjustifiable dismissal and unjustifiable disadvantageous action); - Enforcement of the employment agreement through compliance orders, interpretation disputes, penalties, and damages; - Critical examination of the key topics of freedom of association, unions, collective bargaining and strikes and lockouts.
C: LAWS202-206
R: LAWS318
LAWS363-24S1 (C) **Semester 1**

LAWS364 Law of the Sea
15 Points 0.1250 EFTS
An examination of the principal instruments relating to the law of the sea with particular focus on modern ocean management techniques and current regulatory challenges such as maritime security and marine environmental protection. This course is offered in alternate years.
C: LAWS202-LAWS206
R: LAWS362 prior to 2010, ILAP630
LAWS364-24S2 (C) **Semester 2**

LAWS365 Issues in Policing and Prosecution
15 Points 0.1250 EFTS
This course focuses on the structure, scope and contemporary issues relating to policing and prosecution in New Zealand, including critical assessments of police powers; the role of the Independent Police Conduct Authority (IPCA); aspects of the Police and Crown prosecution processes, diversion, restorative justice and alternatives to traditional court prosecution of offenders; and selected contentious issues, such the effects of policing policies and practices on vulnerable groups.
C: LAWS202-LAWS206
R: LAWS337, CRJU307
EQ: CRJU307
LAWS365-24S2 (C) **Semester 2**

LAWS366 Sentencing Theory and Practice
15 Points 0.1250 EFTS
Theoretical bases for sentencing: just deserts, utilitarianism and other theories. Plea negotiation. Sentencing Act 2002- process, principles and practice. Probation and parole. Proceeds of Crime legislation.
C: LAWS202-LAWS206
R: LAWS337; CRJU301
EQ: CRJU301
LAWS366-24S1 (C) **Semester 1**

LAWS373 Washington Internship
15 Points 0.1250 EFTS
Enrolment is open to recipients of Washington Internship only. In any year only two awards will be made. Application details are available from the School of Law.
P: Subject to approval of the Head of Department.
LAWS373-24A (C) **Starts Anytime**

LAWS380 Contemporary Issues in Criminal Procedure
15 Points 0.1250 EFTS
What is Criminal Procedure? This course will discuss a brief synopsis of the theory of criminal procedure. It will look at the Criminal Procedure Act 2011, differing categories of offences, prosecuting agencies (Police v Crown). Students will explore the roles that different judicial officers such as JP's, Magistrates and Judges play in the criminal system while looking at arrests and/or court summons orders to court. This course will look at the requirements for a valid first arrest, opposition to bail, legal aid, pleas, sentencing indication and pre-trial applications. Students will explore the differences between Judge only trials and Jury trials, Jury pre-trial callovers and sentencing. LAWS380 will also take a more in-depth look at the lawfulness of police searches, dealing with mental health issues in criminal law and the issue of double jeopardy.
P: LAWS202 or CRJU202
C: LAWS203-LAWS206
R: CRJU312
EQ: CRJU312
LAWS380-24SU1 (C) **Summer (Jan 24)**

LAWS382 Legal Internship
15 Points 0.1250 EFTS
This course assists students to develop and apply their legal knowledge and skills in workplace placements of 80 hours or more.
P: Subject to approval of Head of School.
C: LAWS202-LAWS206
LAWS382-24S1 (C) **Semester 1**
The Summer offering is subject to Limitation of Entry: See limitation of entry regulations.

LAWS386 The Capstone Course: Applied Professional Skills
15 Points 0.1250 EFTS
The Capstone Course provides students with applied general, legal and selected management skills in a context that replicates actual legal practice in the legal, NGO and business services environment. During the course you will also assist actual clients with legal problems at the Campus Law Clinic, under the supervision of practising lawyers.
C: LAWS202-LAWS206
R: LAWS306
LAWS386-24S2 (C) **Semester 2**

LAWS392 The Treaty of Waitangi
15 Points 0.1250 EFTS
The status and effect of the Treaty of Waitangi in the legal system.
C: LAWS202-LAWS206
R: POLS218; POLS258; HIST268; SOCI209; HSRV207; MAOR219
LAWS392-24SU1 (C) **Summer (Jan 24)**

LAWS396 Media Law
15 Points 0.1250 EFTS
C: LAWS202-LAWS206
R: COMS233
LAWS396-24S2 (C) **Semester 2**

LAWS398 Legal Ethics
15 Points 0.1250 EFTS
An introduction to ethical theories and their applicability to legal practice. The concept of a profession and the duties and responsibilities of lawyers.
C: LAWS202-LAWS206
R: LAWS370 (prior to 2006), LAWS399 (prior to 2006)
LAWS398-24S1 (C) **Semester 1**

LLAW300 Pacific Legal Studies
15 Points 0.1250 EFTS
This course offers an introduction to the law and legal systems in Pacific island countries and territories. It examines customary law and its relationship with state law against a background of legal pluralism and cultural relativism. It provides students with the opportunity to place law within a regional context and undertake research of regional significance. This course may be available to students enrolled in other degrees (with waiver of co-requisites). This course is offered in alternate years.

C: LAWS202-LAWS206

LLAW300-24S2 (C) **Semester 2**

LLAW304 Special Topic: Law and Counter-terrorism
15 Points 0.1250 EFTS
This course examines the legal and political aspects of counter-terrorism efforts in modern societies, with a particular focus on New Zealand. It covers the relevance of the international legal framework for counter-terrorism, regional frameworks, and comparative assessments of national approaches. The course addresses the political and social debates surrounding the application and creation of counter-terrorism law, examining the role of law enforcement and security forces in counter-terrorism, the relationship between counter-terrorism and human rights, and the impact of counter-terrorism on democratic societies. The course will also explore case studies of counter-terrorism efforts around the world.

P: Subject to approval of Head of School

C: LAWS202-206

LLAW304-24SU1 (C) **Summer (Jan 24)**

Postgraduate

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LAWS410 Advanced Research Skills
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department

R: LAWS401 and LAWS670

EQ: LAWS670

LAWS410-24S1 (C) **Semester 1**

Honours candidates only. Entry to the Honours programme is by invitation.

LAWS420 Honours Research Paper
15 Points 0.1250 EFTS
P: LAWS410

R: LAWS401

LAWS420-24S2 (C) **Semester 2**

Honours candidates only. Entry to the Honours programme is by invitation.

LAWS430 Honours Dissertation
30 Points 0.2500 EFTS
P: (1) LAWS 420 and (2) Subject to approval of the Head of Department.

R: LAWS451, LAWS501

LAWS430-24S1 (C) **Semester 1**

Honours candidates only. Entry to the Honours programme is by invitation.

LAWS670 Legal Research Methods
15 Points 0.1250 EFTS
The course aims to provide advanced skills, knowledge and tools of legal research and legal writing together with an academic grounding in the process of questioning and reflection fundamental to the international and domestic legal system, in order to enable students to seek answers to the legal questions that interest them. It will provide students with a thorough grounding in the nature and practicalities of legal research and writing, including the construction of research proposals, questions and strategies, and will equip students with the necessary capabilities to conduct independent legal research. Students will demonstrate that they are able to produce a 1200-word research proposal on a legal topic which identifies a complex topic suitable for an advanced and original legal research paper and plan a programme of research using an appropriate legal research methodology.

P: Admission to LLM candidature. Head of Department Mandatory.

R: LAWS410

EQ: LAWS410

LAWS670-24S1 (C) **Semester 1**

LAWS671 Legal Research Paper 1
15 Points 0.1250 EFTS
The aims for the course are for students to be able to engage in self-directed learning and study. Students will produce a 7000-word legal research paper, based on highly-developed legal research and writing skills; a critical understanding of the key principles relevant to the subject of the legal research paper; and the ability to analyse key issues relevant to a legal problem of some complexity and to offer solutions to that problem.

P: Admission to LLM candidature. Head of Department Mandatory.

LAWS671-24FY (C) **Full Year (February to February)**

LAWS671-24CY (C) **Cross Year**

LAWS673 Legal Research Paper 3
15 Points 0.1250 EFTS
The aims for the course are for students to be able to engage in self-directed learning and study. Students will produce a 7000-word legal research paper, based on highly-developed legal research and writing skills; a critical understanding of the key principles relevant to the subject of the legal research paper; and the ability to analyse key issues relevant to a legal problem of some complexity and to offer solutions to that problem.

P: Admission to LLM candidature. Head of Department Mandatory.

LAWS673-24FY (C) **Full Year (February to February)**

LAWS673-24CY (C) **Cross Year**

LAWS674 Legal Dissertation
60 Points 0.5000 EFTS
The aims of the course are for students to be able to engage in self-directed learning and study. Students will demonstrate that they are able to produce a 20,000-word legal dissertation on a legal topic which demonstrates that they have advanced legal research and writing skills; advanced technical and/or theoretical knowledge relevant to the subject of the dissertation illustrated by a critical understanding of key principles; analytical and critical skills such that they can analyse the legal issues arising out of a complex legal problem and generate and then evaluate possible solutions. Students will be able to orally present and defend their research to an audience of legal experts using advanced oral presentation skills.

P: Admission to LLM candidature. Head of Department Mandatory.

LAWS674-24FY (C) **Full Year (February to February)**

LAWS674-24CY (C) **Cross Year**

LAWS690 LLM Thesis
120 Points 1.0000 EFTS
P: Admission to LLM candidature. Head of Department Mandatory.

LAWS690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

LAWS790 Law PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.

LAWS790-24A (C) **Starts Anytime**

LAWS790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Linguistics

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

LING101 How Language Works
15 Points 0.1250 EFTS
This course introduces students to the study of the English language, its words, sounds and sentences. It also introduces the conceptual and analytical tools which linguists use to understand how languages are constructed.

R: ENGL123, ENLA101

LING101-24S1 (C) **Semester 1**

LING101-24S1 (D) **Semester 1**

LING102 Language and Society in New Zealand and Beyond
15 Points 0.1250 EFTS
What do babies know about language when they're born? And how do our experiences as we get older affect both how we use language and what we think about other people's language behaviour? Why, for example, do people think some languages, or some dialects, are 'better' than others? And is there any truth behind such beliefs? In this course we consider a range of research from the field of linguistics that addresses these and other questions. The role of language experience will emerge as a recurrent theme: the experience that the infant has with a particular language; how our early experience with language affects how we speak and how we listen, and how our beliefs about language are created and maintained in connection to other experiences in our social lives.

R: ENLA102

EQ: ENLA102

LING102-24S2 (D) **Semester 2**

LING102-24S2 (C) **Semester 2**

LING212 Sounds and Words
15 Points 0.1250 EFTS
This course is an exploration in the structure of speech sounds. We will deal with with phonetics (how sounds are made or perceived by humans), phonology (how sounds are distributed across different languages) and morphology (how sounds combine to make meaningful units in a language). The goal of the course is to equip students with some of the basic tools necessary to conduct speech sound analysis of any language or linguistic variety.

P: Any 15 points at any level from LING
R: LING 215 LING 216
LING212-24S1 (C) **Semester 1**
LING212-24S1 (D) **Semester 1**

LING217 Grammatical structure
15 Points 0.1250 EFTS
This course introduces grammatical structures ranging from clauses to sentences to paragraphs. These layers of structure are essential parts of how languages encode meaning. The goal of the course is to understand both the range of syntactic structures that are found in language as well as the ways in which these structures express meaning.
P: Any 15 points at any level from LING.
R: LING201, LING206, LING211
LING217-24S2 (C) **Semester 2**
LING217-24S2 (D) **Semester 2**

LING219 Language Acquisition
15 Points 0.1250 EFTS
This course deals with key aspects of how human language is acquired by children, from infancy to adolescence. Selected topics in bilingual and second language development are also covered.
P: Any 15 points at any level from any subject.
R: CMDS221, LING205
LING219-24S1 (C) **Semester 1**
LING219-24S1 (D) **Semester 1**

LING223 Text Analytics
15 Points 0.1250 EFTS
This course introduces computational methods for understanding the vast amount of information and human knowledge that has been stored as language data. This field is also known as computational linguistics or natural language processing.
P: 15 points at any level from any subject.
R: DIGI223
EQ: DIGI223
LING223-24S1 (C) **Semester 1**
LING223-24S1 (D) **Semester 1**

LING225 Language and Social Justice
15 Points 0.1250 EFTS
How can we use linguistic evidence to solve crimes? What does linguistic analysis tell us about legal language? In this course, students learn how to use linguistics for forensic purposes. What can a piece of spoken or written language tell us about its authors? Can linguistic analysis expose inequalities in the legal system? What are the implications of using linguistic evidence for commercial or defense purposes?
P: Any 15 points at any level from any subject.
LING225-24S2 (C) **Semester 2**
LING225-24S2 (D) **Semester 2**

LING230 Special Topics in Linguistics
15 Points 0.1250 EFTS
P: Any 15 points at any level from any subject.
LING230-24S1 (C) **Semester 1**
LING230-24S1 (D) **Semester 1**

LING307 Topics in Phonetics and Phonology
30 Points 0.2500 EFTS
This course follows on from second-year phonetics and phonology, covering selected advanced topics and current research in phonetics and phonological theory.
P: LING215
R: LING301, LING311
LING307-24S1 (C) **Semester 1**
LING307-24S1 (D) **Semester 1**

LING310 Linguistics Research Project
30 Points 0.2500 EFTS
This course supports students to conduct their own empirical research project. Students will design their own research, and write a research paper reporting on their novel findings. The course will begin with orientation to New Zealand English, and learning about some empirical studies that have been done on this variety. Students will then develop their own empirical research question, using the New Zealand Institute of Language Brain and Behaviour's internationally renowned corpora, or by collecting their own data using a questionnaire or language experiment. Course content will be adapted to suit student interests, and the class will work together as a group to support the development of each other's projects.
P: Any 15 points at 200 level from LING.
R: ENLA310
EQ: ENLA310
LING310-24S2 (C) **Semester 2**
LING310-24S2 (D) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

LING400 English Structures
30 Points 0.2500 EFTS
This course is an intensive introduction to the linguistic structures of English, covering pronunciation (phonetics & phonology) and grammar (syntax & semantics). A key feature of the course is one of comparison - in part one we compare pronunciation systems across varieties of English and other languages, and in part two we compare the sentence structure of English to that of other languages. This course will be valuable for anyone planning to teach English as an additional language, or those who want a detailed introduction to the analytical tools linguists use to study English and other languages.
P: Subject to approval of the Head of Department.
LING400-23SU2 (D) **Summer (Nov 23)**

LING407 Field Methods
30 Points 0.2500 EFTS
A practical introduction to the means by which linguists obtain raw linguistic data from some language and begin the task of describing and analysing its structure.
P: Subject to approval of the Head of Department.
LING407-24S2 (C) **Semester 2**
LING407-24S2 (D) **Semester 2**

LING410 Variation and Theory
30 Points 0.2500 EFTS
Advanced study of aspects of the use of language in social contexts.
P: Subject to approval of the Head of Department.
LING410-24S1 (C) **Semester 1**
LING410-24S1 (D) **Semester 1**

LING412 Sociophonetic Research
30 Points 0.2500 EFTS
Aspects of socially-conditioned phonetic variation in speech. These include sound change, social and regional variation, phonetic style-shifting, and the study of how socially-conditioned phonetic variation can be accommodated by models of speech perception and production.
P: Subject to approval of the Head of Department.
LING412-24S2 (C) **Semester 2**
LING412-24S2 (D) **Semester 2**

LING480 Research Essay
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department.
LING480-24S2 (C) **Semester 2**
LING480-24S2 (D) **Semester 2**

LING615 World Englishes
30 Points 0.2500 EFTS
This course explores some of the historical, political and social issues associated with the development of different World Englishes, discussing key structural differences between varieties of English along the way. Of course, for the language professional attempting to operate in this environment (e.g. teacher, writer, editor, policy maker), there are a number of practical challenges: e.g. what type of English should we teach (and endorse)? How do learners' attitudes towards their target variety affect their eventual proficiency? How do we codify new and emerging varieties? These and many more real-world issues associated with policy, planning and pedagogy are tackled in this course.
P: Subject to approval of the Head of Department.
LING615-24S1 (C) **Semester 1**
LING615-24S1 (D) **Semester 1**

LING650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
LING650-24A (C) **Starts Anytime**
LING650-24S1 (C) **Semester 1**
LING650-24S2 (C) **Semester 2**

LING690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
LING690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

LING691 MLing Thesis
90 Points 0.7500 EFTS
In this course students design and carry out a research project, with the support of an academic supervisor. The research topic is decided in collaboration between the student and supervisor. Research training is also provided.

P: Subject to approval of the Head of Department.

LING691-24A (C) **Starts Anytime**
LING691-24A (D) **Starts Anytime**

LING790 Linguistics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.

LING790-24A (C) **Starts Anytime**
LING790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Management

Te Tari Whakahaere, Whakatairanga me te Rakahinonga | Department of Management, Marketing and Entrepreneurship

MGMT100 Fundamentals of Management
15 Points 0.1250 EFTS
An introduction to the fundamental principles of management related to the functional areas of planning, organising, leading and controlling, as well as an introduction to how organisations are linked to the New Zealand and global business environment.

R: MGMT101

MGMT100-24S1 (C) **Semester 1**
MGMT100-24S2 (C) **Semester 2**

MGMT170 Managerial Decision Making
15 Points 0.1250 EFTS
This course introduces basic managerial decision-making tools and their application to business. The topics include project management, forecasting, inventory management, cost-benefit analysis and decision-making. The course develops problem solving skills, an invaluable tool for modern business.

R: MSCI101

MGMT170-24S2 (C) **Semester 2**

MGMT206 Organisational Behaviour
15 Points 0.1250 EFTS
This course provides an introduction to the study of individual and group behaviour in organisations. The course is taught in two parts. In the first part we examine individual-level topics such as personality differences; perception and learning in organisations; workplace emotions, theories of motivation; and stress management. We then move on to discuss team and organisational-level processes, including decision-making; group dynamics and teamwork; communication; power and conflict management; organisational structure and design; organisational culture; and organisational change.

P: (1) MGMT100; and (2) A further 45 points
R: MGMT201, MGMT216
EQ: MGMT216

MGMT206-24S1 (C) **Semester 1**

MGMT207 Principles of Human Resource Management
15 Points 0.1250 EFTS
This course covers the principles of human resource management (HRM) - its major functional areas and the major theories that are the basis for modern HRM practices.

P: (1) MGMT100; and (2) A further 45 points

MGMT207-24S1 (C) **Semester 1**

MGMT221 International Business
15 Points 0.1250 EFTS
This course introduces the major topics in International Business, including comparative environmental frameworks, government and economic influences, import/export, and organisation of international business. The course emphasises the pervasive repercussions of global issues on contemporary business management and the role of the business owner or executive manager.

P: (1) MGMT 100; and (2) A further 45 points
R: MGMT220

MGMT221-24S1 (C) **Semester 1**

MGMT223 Innovation Management
15 Points 0.1250 EFTS
This course introduces the theories and practices of innovation management. The course examines areas including the role of innovation for growth and wealth creation, effective innovation processes and the associated management issues, and the characteristics of innovative organisations.

P: (1) MGMT 100; and (2) A further 45 points

MGMT223-24S2 (C) **Semester 2**

MGMT230 Business, Society and the Environment
15 Points 0.1250 EFTS
This course is a general introduction to the changing responsibilities of business to society and the environment. This course is designed to 1) help you to understand current perspectives on the impact of business on climate change globalisation, and consumerism, and, 2) to help you analyse and develop ways in which business organisations respond ethically to the needs of society and the environment. Each of the topics is addressed at a global, national and organisational level.

P: 60 points
R: MKTG230
EQ: MKTG230

MGMT230-24S1 (C) **Semester 1**
MGMT230-24S2 (C) **Semester 2**

MGMT270 Introduction to Operations and Supply Chain Management
15 Points 0.1250 EFTS
An introductory course in OM which provides an overview of topics fundamental to Supply Chain Management: operations strategy, strategic capacity planning, logistics, facility location, data management and forecasting. Ideas from these topics are then integrated via the playing of The Supply Chain Game.

P: (1) MGMT100 or MGMT170; and (2) STAT101
R: MSCI270, MSCI220
EQ: MSCI270

MGMT270-24S1 (C) **Semester 1**

MGMT271 Operations Management Processes
15 Points 0.1250 EFTS
An introduction to Supply Chain Management and Operations Management providing the necessary groundwork for more advanced study in this field. There is an emphasis on practical application of the methods taught throughout the course. It considers in detail processes involved in supply chain management. The internal organisation of processes within a manufacturer or service provider is explored. The importance of inventory and the processes to control it, such as Materials Requirements Planning and Lean Production, will be discussed. The course also considers the issue of quality management and how it can be controlled.

P: (1) MGMT100 or MGMT170; and (2) STAT101
R: MSCI221, MSCI271
RP: MGMT270 or MSCI270
EQ: MSCI271

MGMT271-24S2 (C) **Semester 2**

MGMT301 Leading Change and Innovation
15 Points 0.1250 EFTS
This course gives a systematic overview of the theories, frameworks and tools for leading innovation and change in organisations.

P: MGMT206 and MGMT207
R: MGMT315

MGMT301-24S1 (C) **Semester 1**

MGMT303 Leading and Managing People: Essential Employment Frameworks
15 Points 0.1250 EFTS
This course addresses the essential frameworks needed for managing people. It examines the psychological and legal influences that shape employing and leading staff. It covers the specific obligations and responsibilities affecting processes such as recruiting, performance management, dispute resolution, termination and organisational change - as well as exploring the dynamics for managing relationships between managers and employees.

P: 30 points of MGMT 200-level (or above) courses; or 30 points of LAWS 200-level (or above)

MGMT303-24S2 (C) **Semester 2**

MGMT304 Management Skills for a Diverse Workforce
15 Points 0.1250 EFTS
This course is designed to provide students with an understanding of the increasing importance of diversity in organisations. We study a range of theories and focus on how to apply those theories to real-world situations.

P: MGMT206 and MGMT207

MGMT304-24S1 (C) **Semester 1**

MGMT306 Team Leadership
15 Points 0.1250 EFTS
This course is designed to provide students with knowledge and skills required to be an effective team member and leader in both face-to-face and virtual settings.
P: MGMT 206 and MGMT 207
R: MGMT305
MGMT306-24S1 (C) Semester 1
Limited entry. See limitation of entry regulations.

MGMT308 Advanced Human Resource Management
15 Points 0.1250 EFTS
This course focuses on the application of human resource management strategies and practices in organisational settings. Attention is also given to the role of human resource planning and strategic approaches to human resource management
P: MGMT206 and MGMT207
R: MGMT307
MGMT308-24S2 (C) Semester 2

MGMT324 International Entrepreneurship
15 Points 0.1250 EFTS
International Entrepreneurship is a course designed for those interested in the practices of 'the entrepreneur', and who wish to build on their existing understanding of international business. The main focus of this course is the entrepreneur as an international business operative. The course discusses issues such as: the nature of entrepreneurship, the changing global environment, expansion through franchising, culture and the international environment, and the dark side of entrepreneurship. International case studies, local case studies and recent research findings are used extensively, and students will be encouraged to analyse these through the application of the theoretical material presented during lectures.
P: 45 points at 200-level or above in MGMT or MKTG
MGMT324-24S2 (C) Semester 2

MGMT330 Communication Management
15 Points 0.1250 EFTS
This course examines how we think and talk about workplace communication and how this shapes how communication is managed.
P: MGMT 206 or COMS 201 or SOCI 219 or MKTG 201
MGMT330-24S2 (C) Semester 2

MGMT331 Learning and Development in Organisations
15 Points 0.1250 EFTS
This course is intended to provide students with an understanding of Human Resource Development (HRD) as a field of practice, its history, and the major theories and paradigms that underpin the field.
P: MGMT 206 and MGMT 207
MGMT331-24S1 (C) Semester 1

MGMT332 International Management
15 Points 0.1250 EFTS
This course deals with management of businesses operating internationally. It will mainly cover issues relating to culture, communication, and human resources management in a global context, along with strategy and execution.
P: MGMT 221
MGMT332-24S2 (C) Semester 2

MGMT333 Managing Corporate Responsibility
15 Points 0.1250 EFTS
In pursuing the ethical basis for business policy and practice, we will look at changing notions of corporate performance. Participants will address such issues as: What is success in business? What good does business do and how does it do it? What are major causes of the breakdown of business ethics? We will also study the practice of business ethics, with the aim to expand capacity for moral inquiry, dialogue, and decision making in ways that will be useful in your professional and civic lives.
P: (1) MGMT 230; and (2) Any 30 points at 200-level or above
RP: Other essay-based courses
MGMT333-24S2 (C) Semester 2

MGMT335 Business and Sustainability
15 Points 0.1250 EFTS
This course strives to deliver an overview of sustainability theory and practice in respect to conducting business effectively. It aims to enable students to make sound decisions in their future careers when leading organisations toward sustainable practices. In the context of business and sustainability, the course will provide an introduction to the science and management issues companies face, including measurement, reporting, feasibility and viability of new technologies, and others. The course will consist of combinations of lectures, interactive classes, and case discussions. Based on the above, successful students will have an increased understanding of approaches businesses can take to respond effectively to environmental sustainability issues.
P: MGMT230 or MKTG230
MGMT335-24S1 (C) Semester 1

MGMT342 Entrepreneurship and New Ventures
15 Points 0.1250 EFTS
The main focus of this course is the independent entrepreneur as business founder. The course covers the nature of new business ventures, why many fail, family firms, and how new small businesses are financed. Case studies are used extensively and students must also produce their own business proposal and business plan. This course is highly recommended for those students interested in competing in the Entre $85K Challenge.
P: (1) ACCT 102; and (2) A further 45 points at 200-level or above
R: MGMT 321
MGMT342-24S2 (C) Semester 2

MGMT343 Social Entrepreneurship
15 Points 0.1250 EFTS
This course is an introduction to Social Entrepreneurship and how it can help communities. It will explore both the theory and practical applications of social entrepreneurship.
P: Any 90 points at 200-level or above
R: MGMT 321
MGMT343-24S1 (C) Semester 1

MGMT344 Strategic Management
15 Points 0.1250 EFTS
The course introduces theory and techniques firms use to sustain long-term performance by aligning their activities with the strategic environment. It encourages integration of business disciplines to develop coherent solutions to firms' strategic challenges.
P: (1) ACCT 102; and (2) A further 45 points at 200-level or above
R: MGMT320
MGMT344-24S1 (C) Semester 1

MGMT345 Strategy Processes and Practices
15 Points 0.1250 EFTS
The course aims to enhance strategy knowledge and skills by encouraging the critical appreciation and application of contemporary strategy theory and techniques based around strategy processes and practices.
P: (1) ACCT 102; and (2) A further 45 points at 200-level or above
R: MGMT 320
RP: MGMT 344
MGMT345-24S1 (C) Semester 1

MGMT370 Strategic Operations and Supply Chain Management
15 Points 0.1250 EFTS
Practical approaches to managing operations: strategy, capacity, IT, networks and supply chains, operations improvement. A mainstream course for Operations Management majors.
P: (1) MGMT270 or MSCI270; and (2) A further 45 points at 200-level or above
R: MSCI320, MSCI370
EQ: MSCI370
MGMT370-24S1 (C) Semester 1

MGMT371 Purchasing and Supply Chain Management
15 Points 0.1250 EFTS
The course introduces the concept and practices of supply chain management. In particular the course covers in-depth the topics of procurement, supply chain collaboration, information exchange and the use of information technology in supply chain, sustainability and risk issues, and outsourcing. The course then discusses logistics management and its implications in business.
P: (1) MGMT270 or MSCI270; and (2) A further 45 points at 200-level or above
R: MSCI321, MSCI371
EQ: MSCI371
MGMT371-24S2 (C) Semester 2

MGMT372 Project Management
15 Points 0.1250 EFTS
This course is an interdisciplinary course that gives a comprehensive overview of project management concepts, models and techniques. It also provides hands on tutorials on the project management software, MS Project.
P: Any 45 points at 200-level or above
R: MSCI322, MSCI324, MSCI372, INFO313, ACIS313
EQ: MSCI372
MGMT372-24S2 (C) Semester 2

MGMT390 Management Intern Consulting Project
15 Points 0.1250 EFTS
An Intern Consulting Project involves a student working in a professional capacity to address specific business issue for a host-organisation. The project applies the technical content of a management-related discipline to a real-world business question. The student manages the project, and experiences working in a business environment. As these are management placements, priority is given to students taking a major in either Human Resource Management, International Business, Management, Operations and Supply Chain Management, or Strategy and Entrepreneurship.

P: (1) 60 points at 200-level or above in MGMT; and (2) Subject to Head of Department Approval
R: ARTS 395, ECON 390, FINC 390, MKTG 390, ACCT 364, INFO 390, PACE 395

MGMT390-24A (C) **Starts Anytime**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MGMT611 Contemporary Issues in Human Resource Management (HRM)
15 Points 0.1250 EFTS
This course examines contemporary issues in human resource management (HRM). We look at applying HRM-related theory, processes, and interventions, as ways in which HRM can exert a positive influence on how organisations function. We use readings, case studies, and engagement with practitioners to provide a highly interactive learning experience.

P: Subject to approval of the Head of Department
EQ: MGMT411

MGMT611-24S2 (C) **Semester 2**

MGMT616 Leadership
15 Points 0.1250 EFTS
The course addresses the topic of leadership in relation to the responsibility of the leader towards various stakeholders (e.g. employees, shareholders, community, suppliers, and environment) in both national and international context. In the course we evaluate advanced leadership theory and build practical leadership capabilities.

P: Subject to approval by the Head of Department
R: MGMT416
EQ: MGMT416

MGMT616-24S1 (C) **Semester 1**

MGMT620 Research Methods
30 Points 0.2500 EFTS
This course focuses on the conceptualisation of research issues in the field of management, the various management research paradigms in use, and the methodological approaches employed in management research. It discusses the nature and use of quantitative and qualitative methods in academic management research. This includes the development of research questions within a theoretical system informed by management and organization theories, and with a view to the appropriate methods of data collection and analysis, as well as the reporting and communication of research results.

P: Subject to approval of the Head of Department
R: MKTG620

MGMT620-24S1 (C) **Semester 1**

MGMT641 Entrepreneurship
15 Points 0.1250 EFTS
The course introduces students to the content and methods of current research in the Entrepreneurship field.

P: Subject to approval of the Head of Department
EQ: MGMT441

MGMT641-24S2 (C) **Semester 2**

MGMT643 Advanced Strategic Management
15 Points 0.1250 EFTS
The course prepares students to undertake strategy activity as reflective practitioners and provides the conceptual background needed for research in the strategy field.

P: Subject to approval of the Head of Department
EQ: MGMT443

MGMT643-24S1 (C) **Semester 1**

MGMT680 Management Dissertation
30 Points 0.2500 EFTS
A course where students complete a written dissertation based upon their research proposal developed in MGMT 620.

P: MGMT620
EQ: MGMT480

MGMT680-24A (C) **Starts Anytime**

MGMT694 MCom Thesis
90 Points 0.7500 EFTS
P: Subject to approval of the Head of Department

MGMT694-24A (C) **Starts Anytime**

MGMT695 MCom Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department

MGMT695-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

MGMT790 Management PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department

MGMT790-24A (C) **Starts Anytime**
MGMT790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Māori and Indigenous Leadership

Aotahi: School of Māori and Indigenous Studies

Postgraduate

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TIRA404 Kaupapa Māori Research
30 Points 0.2500 EFTS
This is an optional course in the Master of Māori and Indigenous Leadership degree. The course introduces students to the basics of research - you learn how to design a research project and undertake a literature review. You also learn about research methods, research methodologies and how to conduct research within an ethical framework. The aim of the course is to equip students with the skills and knowledge to succeed in the compulsory MMIL course MAOR680 Research Essay.

P: Subject to approval of the Head of School.
R: PACS419, MAOR404
EQ: PACS419, MAOR404

TIRA404-24X1 (D)
TIRA404-24X2 (D)

TIRA430 Māori Leadership
30 Points 0.2500 EFTS
This course is part of the Master of Māori and Indigenous Leadership degree. It will enable students to gain practical leadership skills suited to management and governance roles within the Māori sector, as well as developing leadership attributes to effectively lead transformation initiatives that advance Māori aspirations. Students will explore Indigenous leadership models and philosophies, as well as critically engage with the organisational needs, structure and context of Iwi and Māori organisations.

P: Subject to approval of the Head of School.
R: MAOR430
EQ: MAOR430

TIRA430-24X1 (D)
TIRA430-24X2 (D)

TIRA431 Comparative Indigenous Models and Theories of Development
30 Points 0.2500 EFTS
This course is part of the Master of Māori and Indigenous Leadership degree. It will expose students to Indigenous approaches to development, innovation and self determination across New Zealand, Australia and the Americas to enable students to gain a deep and broad suite of precedents that can be drawn upon for designing creative and principled solutions within their communities and/or organisations. The course will also explore contrasting theoretical and philosophical approaches to Indigenous development to provide students with a robust framework for critically engaging with and evaluating the comparative value, impact and efficacy of different approaches to solution building within the Māori sector.

P: Subject to approval of the Head of School.
R: MAOR431
EQ: MAOR431

TIRA431-24X1 (D)
TIRA431-24X2 (D)

TIRA435 Haerenga ki Tawahi
30 Points 0.2500 EFTS
This course involves an international tour to research comparative approaches to Indigenous development. This course will expose students to Indigenous approaches to development, innovation and self-determination to enable students to gain a deep and broad suite of precedents that can be drawn upon for designing creative and principled solutions within their communities and/or organisations. The course will also explore contrasting theoretical and philosophical approaches to Indigenous development to provide students with a robust framework for critically engaging with and evaluating the comparative value, impact and efficacy of different approaches to solution building within the Māori sector.

P: Subject to the approval of the Head of School
R: MAOR679, TIRA679
TIRA435-24A (E) **Starts Anytime**

TIRA436 Haerenga a-motu
30 Points 0.2500 EFTS
This course involves a tour around Aotearoa to research comparative approaches to Māori development. This course will expose students to both Māori and Indigenous approaches to development, innovation and self-determination to enable students to gain a deep and broad suite of precedents that can be drawn upon for designing creative and principled solutions within their communities and/or organisations. The course will also explore contrasting theoretical and philosophical approaches to Māori and Indigenous development to provide students with a robust framework for critically engaging with and evaluating the comparative value, impact and efficacy of different approaches to solution building within the Māori sector.

P: Subject to the approval of the Head of School
R: MAOR679, TIRA435, TIRA679
TIRA436-24A (E) **Starts Anytime**

TIRA680 Research Essay
30 Points 0.2500 EFTS
A research essay on an agreed topic.

P: Subject to approval of the Head of School.
R: MAOR680
EQ: MAOR680
TIRA680-24X1 (D)
TIRA680-24X1 (C)
TIRA680-24X (D) **24 June 2024 - 03 Nov 2024**

TIRA681 Research Project
30 Points 0.2500 EFTS
A research project with a focus on the global context of Indigenous issues.

P: Subject to approval of the Head of School.
R: MAOR681
EQ: MAOR681
TIRA681-24X (D) **19 Feb 2024 - 09 June 2024**

Māori and Indigenous Studies

Aotahi: School of Māori and Indigenous Studies

MAOR107 Te Ara o Tawhaki: Māori Thought, Beliefs and Practices
15 Points 0.1250 EFTS
This course provides an introduction to Māori knowledges and metaphysics through a study of topics such as voyaging, art and aesthetics, warfare, conflict and peace. We also look at how approaches to Māori knowledges and their impacts are critiqued.

R: PACS102
EQ: PACS102
MAOR107-24S1 (C) **Semester 1**
MAOR107-24S1 (D) **Semester 1**

MAOR108 Te Patu a Maui : The Treaty of Waitangi - facing and overcoming colonisation
15 Points 0.1250 EFTS
Through focus on the themes of Power, Property and Citizenship, this course examines the historical realities of the Treaty, enabling an understanding of the modern colonial nation state and its processes with respect to Indigenous peoples. The course examines Māori responses, engagement with, and resistance to the colonial project leading to a critical understanding of colonialism.

R: CULT114, MAOR113 (prior to 2006)
EQ: CULT114
MAOR108-23SU2 (D) **Summer (Nov 23)**

MAOR120 He takere waka nui
15 Points 0.1250 EFTS
This course will be delivered as part of the UC Takere programme through a series of workshops, tutorials, PALS (Peer Assisted Learning Sessions) and haerenga (field trips). The course introduces students to a pre and post-colonial history of Māori and Pacific society and innovation and provides a basic understanding of concepts that comprise a Māori and Pacific worldview of cultural similarities and differences shared across the Pacific. This course will cover: - Cultural narratives and navigation - European settlement and colonisation of the Pacific - Biculturalism in Aotearoa - Understanding identity as a lived experience - Influences of Māori and Pacific identities in historical and contemporary contexts.

MAOR120-24SU1 (C) **Summer (Jan 24)**

MAOR130 Māori Storytelling
15 Points 0.1250 EFTS
This course introduces students to a wide range of Māori writing in English, and situates these works within a vast and vibrant whakapapa of Māori creative production in Aotearoa and beyond. Key themes within the course include: purakau and their contemporary retellings, Māori futurism(s), representations of kai and palate politics, the relationship between birds, writers, and the written word, and narrative sovereignty.

R: ENGL110, TITO101
EQ: ENGL110, TITO101
MAOR130-24S2 (C) **Semester 2**
MAOR130-24S2 (D) **Semester 2**

MAOR165 Tuakiri : Culture and Identity
15 Points 0.1250 EFTS
What does it mean to live in Aotearoa/New Zealand in the 21st century? This course examines identity as a lived experience for Māori and non-Māori and how it shapes our thinking at individual, organisation and systemic levels in this country. The course also focusses on contemporary issues arising from identity tensions, enabling students to apply insights to effect positive social change in order to work effectively in a bicultural manner.

MAOR165-24S1 (C) **Semester 1**
MAOR165-24S1 (D) **Semester 1**
MAOR165-24S2 (C) **Semester 2**
MAOR165-24S2 (D) **Semester 2**

MAOR172 Science, Māori and Indigenous Knowledge
15 Points 0.1250 EFTS
This is an integrated multi-disciplinary course between Aotahi: School of Māori and Indigenous Studies and the College of Science. This course provides a basic understanding of Māori and Indigenous peoples' knowledge in such fields as astronomy, physics, conservation biology, aquaculture, resource management and health sciences. The course provides unique perspectives in Indigenous knowledge, western science and their overlap. The course will provide an essential background in cultural awareness and its relationship with today's New Zealand scientific community.

R: SCIM101
EQ: SCIM101
MAOR172-24S2 (C) **Semester 2**

MAOR212 Māori and Indigenous Development
15 Points 0.1250 EFTS
This course will examine Māori and Indigenous development. Students will explore both historical and contemporary developments and the factors which have affected Māori and Indigenous engagement with globalisation. For example the course will look at areas such as economic development, education and health, amongst others.

P: Any 15 points at 100 level from HIST, MAOR, SOWK, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST262, HIST379
EQ: HIST262
MAOR212-24S1 (C) **Semester 1**

MAOR214 Te Ao Marama: Māori Thought
15 Points 0.1250 EFTS
The paper explores key aspects of Māori thought, philosophies and ideas through Māori history and culture. Topics include: oral traditions and iwi traditions, tikanga, customs and social life, whakaaro rapunga, philosophies and Māori thought leaders, gender and sexuality, identity and Māori art and writing, conservation, natural lore of land, ocean, taniwha, kaitiakitanga and resource management.

P: Any 15 points at 100 level from HIST, MAOR, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST259
EQ: HIST259
MAOR214-24SU1 (C) **Summer (Jan 24)**
MAOR214-24SU1 (D) **Summer (Jan 24)**

MAOR219 Te Tiriti: The Treaty of Waitangi
15 Points 0.1250 EFTS
This course uses the Treaty of Waitangi to frame examinations of contemporary New Zealand society. We ask questions designed to highlight and emphasise the relevance of the Treaty of Waitangi to everyday New Zealanders. In addition, the course looks at the importance of this document in the maintenance of Crown and Māori relations. Topics covered range from the signing of the Treaty, and historical developments, to the protest movements and activism of the continuing Māori renaissance period, race relations and one law-for-all.

P: Any 15 points at 100 level from CULT, HIST, HSRV, MAOR, POLS, SOCI, SOWK, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: POLS218, POLS258, HIST268, SOCI209, HSRV207, CULT219
EQ: POLS218, POLS258, HIST268, SOCI209, HSRV207, CULT219
MAOR219-24S2 (C) **Semester 2**

MAOR230 Ethnicity, Racism and Genocide
15 Points 0.1250 EFTS
This course provides a critical introduction to the historical and anthropological study of ethnicity, racism, genocide and migration.

P: Any 15 points at 100 level from ANTH, HIST, MAOR, SOCI, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: ANTH223, HIST283, PACS204, SOCI223, SOCI323
EQ: ANTH223, HIST283, PACS204, SOCI223
MAOR230-24S2 (C) **Semester 2**

MAOR268 Kiriata: Māori film and Media
15 Points 0.1250 EFTS
This course examines the intersection of Māori identity in film, media and other creative works. It considers the political, historical, social, cultural and ideological influences that have shaped dominant mainstream constructions and counter-hegemonic representations of Māori and Indigenous peoples in film, media and creative works. It also highlights the roles of artist, director and industry to produce Māori stories and aesthetics. A number of films will be screened throughout the course.

P: Any 15 points at 100 level from CINE, MAOR, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: CINE213
EQ: CINE213 and TITO202
MAOR268-24S1 (C) **Semester 1**

MAOR270 Te Ao Hauora Tangata: Māori Health Perspectives
15 Points 0.1250 EFTS
A study of Māori health perspectives examining the current trends, issues, and challenges underpinning contemporary Māori health. The course draws from the experiences of Māori health practitioners, including those from Ngāi Tahu and Maata Waka. Please note that this is an on-campus paper, which includes in-depth classroom discussion and debate on Māori health topics. There is also a group assessment and kanohi ki te kanohi (face-to-face) presentation.

P: Any 15 points at 100 level from HLTH, MAOR, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
RP: MAOR 108 and/or HLTH 106
MAOR270-24S1 (C) **Semester 1**

MAOR282 Kapa Haka - Introducing Māori Performing Arts
15 Points 0.1250 EFTS
Designed for Māori and non-Māori, performance competent and new learners, language and non-language students this course takes the class on a journey of exploration to a high level of performance. Course content includes study of the mythological and traditional origins and customs of performing arts from Mōteatea (traditional song), poi (ball dance), waiata ā-ringa (action song), haka and the art of warfare and mau rakau (weaponry - tī rakau, tītī tōrea, hāpai rākau, taiaha, patu). The course also covers the role of male and female leaders, biographies of important composers and the renaissance of kapa haka and its place in Māori culture and society. Students learn a full performance bracket which includes a distinctive Ngāi Tahu component as well as a selection of historical and sacred classic tribal anthems.

P: Any 15 points at 100 level from MAOR or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: TREO282, MAOR265, MAOR382, TREO382, MUSA252
EQ: TREO282, MUSA252
MAOR282-24S2 (C) **Semester 2**

MAOR285 Modern Histories of Ngāi Tahu
15 Points 0.1250 EFTS
The story of Ngāi Tahu is a fascinating example of a small impoverished community of tribal members who by the 1970s had been reduced to a membership of less than 400. Within two decades this tribe had emerged as one of the largest corporations in the South Island with a tribal membership of over 40,000. It is the largest land-owner in the South Island with significant interests in fisheries and tourism. Explaining how and why this happened will be one of the core themes of this course. The first part of this course will look at some of the early history of Ngāi Tahu through to their movement from its pre-contact era to initial contact with early explorers, the settler government and the subsequent land transactions that ran from 1844 to 1864. The second part of this course will trace Ngāi Tahu's claim over nearly 150 years and the concurrent development and implementation of corporate structures. It will then turn to an overview of how Ngāi Tahu and the Crown negotiated one of the largest Treaty settlement packages in the nation's history, but also what opportunities and challenges that brings today.

P: Any 15 points at 100 level from HIST, MAOR, or TREO, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST292
EQ: HIST292
MAOR285-24S1 (C) **Semester 1**

MAOR301 Ngāti Āpōpō: Māori Futures
30 Points 0.2500 EFTS
This course explores the local, national and global trends that will materially impact on the future trajectory of Māori self determination and futures making. Students will investigate how Māori navigate such shifts and trends to advance self-determination as change agents.

P: Any 30 points at 200 level from CULT, MAOR, POLS, or TREO, or any 60 points at 200 level from the Schedule V of the BA.
R: POLS331, POLS358, CULT319
EQ: CULT319
MAOR301-24S1 (C) **Semester 1**

MAOR317 Takahi: Colonisation
30 Points 0.2500 EFTS
Colonisation has had a significant effect on the shaping of contemporary New Zealand society. This course will cover key events in the colonisation throughout New Zealand's brief colonial history. This course utilises different theories of colonisation to critically examine the continued subjugation of Indigenous Peoples in Aotearoa and around the world. Special attention will also be paid to breaking down the power relationships that have emerged between coloniser and colonised.

P: Any 30 points at 200 level from CULT, HIST, MAOR, or TREO, or any 60 points at 200 level from the Schedule V of the BA.
R: RELS322, HIST366, CULT302
EQ: CULT302, HIST366, RELS322
MAOR317-24S1 (C) **Semester 1**

MAOR323 Research Essay
30 Points 0.2500 EFTS
Independent research essay for students with a demonstrated ability to progress to postgraduate research study and thesis writing. Enrolling students must have a B+ grade average. They are expected to see a lecturer in the School to develop a project with a supervisor and proposal.

P: Any 30 points at 200 level from MAOR or TREO, or any 60 points at 200 level from the Schedule V of the BA, and permission of the Head of School.
R: MAOR321
MAOR323-24S1 (C) **Semester 1**
MAOR323-24S2 (C) **Semester 2**

MAOR373 Whakaaro Wairua: Māori Spiritual Beliefs and Philosophies
30 Points 0.2500 EFTS
This course explores Māori philosophies, thought and, what has been described in the literature as, "spiritual beliefs" across time. The course will look at Māori concepts such as tapu, mana, mauri, ihi, wehi, wana and others, how these concepts have changed and the factors that have given rise to new understandings of these. We will also explore the ongoing maintenance of these concepts in the face of Christianity and modernity.

P: Any 30 points at 200 level from MAOR or TREO, or any 60 points at 200 level from the Schedule V of the BA.
R: MAOR417
MAOR373-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MAOR401 Te Matakahi: Indigenous Critical Theory
30 Points 0.2500 EFTS
Theory for Māori and Indigenous scholars. The study of counter-hegemonic theory in so-called post-colonial states. In this course drawing from a range of theorists, from Frantz Fanon, Edward Said, Lewis Gordon, Homi Bhabha to Gayatri Spivak and others, we explore the coloniser-colonised binary. Can we maintain resistance and create new spaces and practices 'outside' of this relationship?

P: Subject to approval of the Head of School.
R: CULT420
EQ: CULT420
MAOR401-24S1 (C) **Semester 1**

MAOR419 Mātauranga Māori and Science
30 Points 0.2500 EFTS
What are the synergies and tensions between Mātauranga Māori and western science? This course delves into aspects of current and historical debates around that relationship. Themes include past struggles between Māori and western concepts, 'knowledge' and its situatedness within both Mātauranga Māori and western science, the theoretical consequences of taking a position, the philosophical similarities between the two and possible divergences - including in

the context of various specialisations of both western science and Mātauranga Māori - and the uptake of Mātauranga Māori by scientific policy and academic literature.

P: Permission of the Head of School

MAOR419-24S2 (D) **Semester 2**

MAOR480 Research Essay

30 Points 0.2500 EFTS

Independent research essay for students with a demonstrated ability to conduct advanced research and/or progress to thesis writing. Enrolling students must have a B+ grade average. They are expected to see a lecturer in the School to supervise them and to develop a proposal.

P: A B+ grade average at 300-level in MAOR. Subject to approval of the Head of School.

MAOR480-24A (C) **Starts Anytime**
MAOR480-24S1 (C) **Semester 1**
MAOR480-24S2 (C) **Semester 2**

MAOR590 Rangahau - Major Research Dissertation

90 Points 0.7500 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff. Students are expected to make a short presentation at the School's Annual Matariki Research Seminar Series.

P: Subject to approval of the Head of School.
RP: Dialog with an appropriate staff member in Aotahi. 2-3 page proposal.

MAOR590-24W (C) **Whole Year (S1 and S2)**

MAOR591 Rangahau - Minor Research Dissertation

60 Points 0.5000 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff. Students are expected to make a short presentation at the School's Annual Matariki Research Seminar Series.

P: Subject to approval of the Head of School.
RP: Dialog with an appropriate staff member in Aotahi. 2-3 page proposal.

MAOR591-24W (C) **Whole Year (S1 and S2)**

MAOR592 Rangahau - Research Paper

30 Points 0.2500 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff. Students are expected to make a short presentation at the School's Annual Matariki Research Seminar Series.

P: Subject to approval of the Head of School.
RP: Dialog with an appropriate staff member in Aotahi. 2-3 page proposal.

MAOR592-24S1 (C) **Semester 1**

MAOR593 Rangahau - Research Paper

30 Points 0.2500 EFTS

A piece of original research on an agreed topic. Students must obtain a supervisor from the School and submit a proposal for approval by the Head of School by the beginning of the second semester. This Project should be submitted by the end of semester two (7,500 to 10,000 words).

P: Subject to approval of the Head of School.
RP: Dialog with an appropriate staff member in Aotahi. 2-3 page proposal.

MAOR593-24S2 (C) **Semester 2**

MAOR595 Rangahau - Minor Research Dissertation Part 2

30 Points 0.2500 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff. Students are expected to make a short presentation at the School's Annual Matariki Research Seminar Series.

P: Subject to approval of the Head of School.

MAOR595-24A (C) **Starts Anytime**

MAOR650 MA Dissertation

60 Points 0.5000 EFTS

MA Dissertation

P: Subject to approval of the Head of Department.

MAOR650-24A (C) **Starts Anytime**
MAOR650-24S1 (C) **Semester 1**
MAOR650-24S2 (C) **Semester 2**

MAOR690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

MAOR690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

MAOR790 Māori and Indigenous Studies PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School

MAOR790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Marketing

Te Tari Whakahaere, Whakatairanga me te Rakahinonga | Department of Management, Marketing and Entrepreneurship

MKTG100 Principles of Marketing

15 Points 0.1250 EFTS

This course aims to enable students to understand the fundamental concepts and theories of marketing and how they may be applied to the marketplace in a modern and dynamic environment. By the end of the course, students should appreciate the various concepts and theories of marketing and understand how these may be appropriately applied in achieving marketing objectives in a variety of contexts and environments.

R: MGMT102
EQ: MGMT102

MKTG100-24S1 (C) **Semester 1**
MKTG100-24S2 (C) **Semester 2**

MKTG201 Marketing Management

15 Points 0.1250 EFTS

Marketing presented as an organisational process of adapting to a changing environment, including aspects of product development, promotion, distribution and pricing.

P: (1) MKTG 100; and (2) A further 45 points
R: MGMT210
RP: MKTG202
EQ: MGMT210

MKTG201-24S2 (C) **Semester 2**

MKTG202 Marketing Research

15 Points 0.1250 EFTS

An introduction to marketing research and its applications, with an emphasis on research as an aid to management decision-making. Students in this course will be provided with a background in research methods, issues related to conducting marketing research, data analysis, and methods of evaluation related to marketing.

P: (1) MKTG100; and (2) STAT101; and (3) A further 30 points
R: MGMT212
EQ: MGMT212

MKTG202-24S1 (C) **Semester 1**

MKTG204 Consumer Behaviour

15 Points 0.1250 EFTS

The purpose of this course is to focus on why and how consumers make decisions and behave in certain ways. More specifically, it examines what motivates consumers, what captures their attention, and what retains their loyalty.

P: (1) MKTG100 or COMS104; and (2) A further 45 points.
R: MGMT204
EQ: MGMT204

MKTG204-24S2 (C) **Semester 2**

MKTG205 Services Marketing and Management

15 Points 0.1250 EFTS

This course aims to develop an understanding of services marketing and management. Students will be introduced to services marketing and management concepts, service quality, service logic; consumer behaviour, expectations and perceptions in relation to services; understanding customer requirements, and service development and design; and the role of employees in service delivery. This will be done in relation to several industries within the service sector.

P: (1) MKTG 100; and (2) A further 45 points
R: MGMT 317; MKTG 313

MKTG205-24S1 (C) **Semester 1**

MKTG230 Business, Society and the Environment
15 Points 0.1250 EFTS
This course is a general introduction to the changing responsibilities of business to society and the environment. This course is designed to 1) help you to understand current perspectives on the impact of business on climate change globalisation, and consumerism, and, 2) to help you analyse and develop ways in which business organisations respond ethically to the needs of society and the environment. Each of the topics is addressed at a global, national and organisational level.

P: Any 60 points
R: MGMT230
EQ: MGMT230

MKTG230-24S1 (C) **Semester 1**
MKTG230-24S2 (C) **Semester 2**

MKTG240 Tourism, Hospitality & Events Management
15 Points 0.1250 EFTS
This course exposes students to the tourism system and critically discusses its components. The course equips students with an understanding of tourism, hospitality and events industry globally and in New Zealand.

P: MKTG100

MKTG240-24S1 (C) **Semester 1**

MKTG241 Hospitality Marketing and Management
15 Points 0.1250 EFTS
In this course, students will learn about both the strategic and operational side of hospitality businesses, with a focus on marketing aspects. Students will typically learn about food and beverage management and housekeeping management as well as the marketing practices of different sectors in the hospitality industry.

P: MKTG100

MKTG241-24S2 (C) **Semester 2**

MKTG305 Strategic Marketing
15 Points 0.1250 EFTS
The course takes a managerial perspective and focuses on strategic decisions relating to the analysis, development, implementation and control of marketing strategies needed to gain and sustain an organisation's competitive advantage. Students learn various strategic tools and techniques that assist in evaluating the effectiveness of marketing strategies. New approaches to marketing practice are also covered. Instructional methods include the case studies and a group-based project.

P: (1) MKTG 201; and (2) MKTG 202; and (3) MKTG 204
R: MGMT 316; MKTG 301

MKTG305-24S1 (C) **Semester 1**

MKTG307 Advertising and Promotion Management
15 Points 0.1250 EFTS
This course is an introduction to the fundamentals of advertising and promotion. The course will cover the societal and managerial uses of advertising as a means of symbol formation and communication. Lectures, class exercises, discussions, and videos will be used to explore topics of relevance. Students will be involved in developing and presenting a comprehensive, promotional campaign for a product or service.

P: (1) MKTG201; and (2) MKTG202; and (3) MKTG204
R: MGMT 318; MKTG 303

MKTG307-24S2 (C) **Semester 2**

MKTG308 Special Topic: Cultivating Wisdom and Well-Being for Personal and Professional Growth
15 Points 0.1250 EFTS
Aristotle maintained that the primary goal of life is to achieve well-being, which he associated with human flourishing. It involves health, happiness, and prosperity across several dimensions of everyday life, including the physical, emotional, social, economic, spiritual, environmental, and political. Today we live amidst significant challenges to and opportunities for well-being, each requiring appropriate choices and behaviours. But what does it mean to make the most appropriate or right decisions, and to act accordingly? Aristotle argued that the foremost path to well-being is to nurture one's wisdom, which is widely regarded as the pinnacle of human virtues. Drawing on both Western and Eastern philosophy, as well as contemporary social science and business literature, the goal of this course is to seek new understandings, self-insights, and useful tools in regard to wisdom and well-being, particularly as to how these concepts apply to a variety of professional and personal situations across the life span. Within professional contexts we will delve into topics such as customer relationships, marketing strategy, corporate ethics and social-ecological responsibility, organizational leadership and strategy, and human resources/employee relations. We will advance toward our course goal through readings, videos, exercises, open discussions, and a culminating individual project for growth through career and personal life.

P: Any 120 points, including MKTG100

MKTG308-24S2 (C) **Semester 2**

MKTG309 International Marketing
15 Points 0.1250 EFTS
This course introduces students to core topics in international marketing. The course is fundamental to almost all career paths for students in the marketing field with firms that have an international dimension to their marketing strategies. The course is also complementary to the other offerings in International Business.

P: At least 30 points of 200-level courses in MKTG
R: MGMT316

MKTG309-24S1 (C) **Semester 1**

MKTG310 Customer Experience
15 Points 0.1250 EFTS
Historically, business approaches have been almost exclusively focused on the marketing mix itself, especially for product-related exchanges. As a result, the customer at the centre of the framework became an almost forgotten concern for many marketers. The course "Customer Experience" focuses on the design and marketing of emotionally stimulating, value-creating customer experiences. Students will strategically evaluate and critique current traditional marketing and management strategies in terms of their customer focus. The class format involves a mix of class lectures and in-class workshops, case analyses and presentations, best practice discussions, and individual assignments. Students will enhance their learning through group work and in-class presentations as well as individual research projects. The sessions are interactive, stimulating student thinking and critical review.

P: (1) MKTG201; and (2) MKTG202; and (3) MKTG204

MKTG310-24S1 (C) **Semester 1**

MKTG311 Retail Marketing
15 Points 0.1250 EFTS
This course examines the fundamentals of retail marketing including the characteristics of consumer store choice, the role of retailing in the overall marketing concept, and the practice and future of retailing in New Zealand.

P: (1) MKTG201; and (2) MKTG202; and (3) MKTG204

MKTG311-24S1 (C) **Semester 1**

MKTG314 Tourism Marketing and Management
15 Points 0.1250 EFTS
An integrated course that examines contemporary strategies and issues in tourism marketing and management for destinations, firms, national and regional tourism organisations.

P: Any 60 points at 200-level or above

MKTG314-24S1 (C) **Semester 1**

MKTG315 Marketing for Behavioural Change
15 Points 0.1250 EFTS
Marketing for Behavioural Change focuses on the planning and implementation of programmes designed to bring about social change, using concepts from commercial marketing. It is geared toward furthering a cause, raising money, raising awareness and public education, or bringing about social change. Students will be exposed to a diverse range of not-for-profit and for-profit organisations that embody socially responsible and social-change driven missions.

P: Any 60 points at 200-level or above

MKTG315-24S2 (C) **Semester 2**

MKTG316 Digital Marketing
15 Points 0.1250 EFTS
This course offers an overview of online, digital, internet and social media marketing techniques and practices. The course prepares students for using online marketing platforms and decision making in the modern workplace.

P: (1) MKTG100, (2) A further 45 points at 200-level or above

MKTG316-24S2 (C) **Semester 2**

MKTG317 Sustainable Tourism Enterprises and Destinations
15 Points 0.1250 EFTS
This course offers an overview of macro marketing perspectives of sustainable tourism enterprises and destinations. The course prepares students for an in-depth understanding of how tourism marketing impacts and is impacted by the broader tourism system. Organisational and individual behaviours are discussed as well as mechanisms to enable sustainable tourism enterprises and destinations.

P: (1) MKTG100; and (2) A further 45 points at 200-level or above.

MKTG317-24S2 (C) **Semester 2**

MKTG340 Event Management and Marketing
15 Points 0.1250 EFTS
This course introduces students to the importance of marketing and managing events in the successful development of tourist destinations. It highlights the various forces (macro and micro level, especially from a stakeholder perspective) that impact on events and provides students with an insight into the events planning, marketing, and management process.

This course also addresses the financial and human resources aspects of events, and provides students with generic event marketing and management skills that can be applied to festivals, meetings and conventions, expositions and shows, and to sport competitions.

P: MKTG240

MKTG340-24S1 (C) **Semester 1**

MKTG349 Applied Tourism Management and Marketing Project

15 Points 0.1250 EFTS

This course emphasises on using research to address tourism, hospitality and event issues related to the development and marketing of New Zealand as a tourism destination. Building on the introductory notions of marketing research in MKTG202 and tourism in MKTG240, this course further develops students' skills in applying research methods to investigate contemporary tourism issues in New Zealand. Through an applied project from the industry, students will complete an investigation of a current and relevant tourism issue. The course includes a series of workshops on tourism research methods and project management skills. Topics covered in this course include problem formulation and research design; research implementation; data collection and analysis and results interpretation; evaluation; and application.

P: MKTG240, MKTG202

MKTG349-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MKTG603 Advanced Consumer Behaviour

15 Points 0.1250 EFTS

The purpose of this course is to introduce students to advanced consumer behaviour and research, and for students to develop the ability to integrate the various theories and research findings presented.

P: Subject to approval of the Head of Department
R: MGMT423
EQ: MGMT423

MKTG603-24S1 (C) **Semester 1**

MKTG605 Advanced Strategic Marketing

15 Points 0.1250 EFTS

This course examines marketing strategy as a market-driven process of strategy development that delivers superior customer value and ensures satisfactory organisational performance including sustained competitive advantage. A special focus of the course is the examination and critical analysis of classic and the latest literature in strategic marketing against an environment that is dynamic and hugely challenging.

P: Subject to approval of the Head of Department.
R: MGMT424
EQ: MGMT424

MKTG605-24S2 (C) **Semester 2**

MKTG609 Advanced Services and Tourism Marketing

15 Points 0.1250 EFTS

This course covers the principles and theories of advanced services and tourism marketing.

P: Subject to approval of the Head of Department
R: MGMT421
EQ: MGMT421

MKTG609-24S1 (C) **Semester 1**

MKTG611 Current Topics in Marketing

15 Points 0.1250 EFTS

An advanced examination of contemporary issues in marketing.

P: Subject to approval of the Head of Department
R: MGMT452
EQ: MGMT452

MKTG611-24S2 (C) **Semester 2**

MKTG620 Research Methods for Marketing

30 Points 0.2500 EFTS

This core course provides students with advanced knowledge of qualitative and quantitative theories and research methods relevant to Marketing discipline. These include Conjoint Analysis, Best/Worst Choice Modelling, Netnographic Research, and Tribal Marketing Ethnographic Research. A heavier focus will also be placed on methodologies that predominate much of the marketing research currently being used in both academia and business such as experimental design, depth analysis of qualitative consumer research, and segmentation analysis of large datasets to form consumer groups

P: Subject to approval of the Head of Department.
R: MGMT620
EQ: MGMT620

MKTG620-24S1 (C) **Semester 1**

MKTG680 Marketing Dissertation

30 Points 0.2500 EFTS

A course where students complete a written dissertation based upon their research proposal developed in MKTG620.

P: MKTG620

MKTG680-24A (C) **Starts Anytime**

MKTG694 MCom Thesis

90 Points 0.7500 EFTS

P: Subject to approval of the Head of Department

MKTG694-24A (C) **Starts Anytime**

MKTG695 MCom Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department

MKTG695-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

MKTG790 Marketing PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department

MKTG790-24A (C) **Starts Anytime**
MKTG790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Mathematical Physics

Te Kura Matū | School of Physical and Chemical Sciences

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MAPH480 Mathematical Physics Research Project

30 Points 0.2500 EFTS

An independent research project in Physics for 400-level students

P: Subject to approval of the Head of Department

MAPH480-24A (C) **Starts Anytime**

MAPH790 Mathematical Physics PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

MAPH790-24A (C) **Starts Anytime**
MAPH790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Mathematics

Te Kura Pāngarau | School of Mathematics and Statistics

MATH101 Methods of Mathematics

15 Points 0.1250 EFTS

Introduction to calculus, trigonometry and algebra. Emphasis on setting up mathematical models of problems, solving them and interpreting the solutions. Applications to the physical, life and earth sciences as well as to commerce and the humanities.

R: MATH199

MATH101-24S1 (C) **Semester 1**
MATH101-24W (C) **Whole Year (S1 and S2)**
MATH101-24S2 (C) **Semester 2**

MATH102 Mathematics 1A

15 Points 0.1250 EFTS

An introductory course in calculus and linear algebra that is designed primarily for students who have done well in Level 3 NCEA Mathematics, covering single variable calculus and basic ideas in linear algebra. The mathematics in this course has applications in many areas of science and commerce.

P: 1. MATH101, or 2. NCEA 14 Credits at level 3 Mathematics, or 3. Cambridge: D at A level or an A at AS level in Mathematics, or 4. IB: 4 at HL or 5 at SL in Mathematics, or 5. Approval of the Head of School based on alternative prior learning.
R: MATH108, MATH199, EMTH118

MATH102-24S1 (C) **Semester 1**
MATH102-24S2 (C) **Semester 2**

MATH103 Mathematics 1B
15 Points 0.1250 EFTS
A consolidation of concepts from MATH102 and introduction to more advanced ideas in calculus and linear algebra. It is a prerequisite for many courses in mathematics and other subjects at 200-level.
P: MATH102 or EMTH118
R: MATH109, MATH199, EMTH119
MATH103-24S2 (C) Semester 2

MATH110 Foundations of Applied Mathematics
15 Points 0.1250 EFTS
Introduction to trigonometry and algebra. Emphasis on solving problems relevant to design, physical, life and earth sciences as well as to commerce and the humanities. An introduction to the ideas, techniques and applications of data analysis and probability.
R: EMTH118, MATH101, MATH102, MATH199
MATH110-24S1 (C) Semester 1

MATH120 Discrete Mathematics
15 Points 0.1250 EFTS
Discrete mathematics is that part of mathematics not involving limit processes. It includes logic, the integers, finite structures, sets and networks.
P: 1. MATH101 or MATH102 or EMTH118, or 2. NCEA 14 Credits (18 strongly recommended) at level 3 Mathematics, or 3. Cambridge: D at A level or an A at AS level in Mathematics, or 4. IB: 4 at HL or 5 at SL in Mathematics, or 5. approval of the Head of School based on alternative prior learning.
R: MATH115
MATH120-23SU2 (C) Summer (Nov 23)
MATH120-24S2 (C) Semester 2

MATH201 Multivariable Calculus
15 Points 0.1250 EFTS
This course deals with techniques in multivariable calculus and vector calculus which have applications in many areas of science, commerce and engineering. It is also preparation for many courses in advanced mathematics.
P: MATH103 or MATH199 or EMTH119
R: MATH261, MATH264, EMTH202, EMTH204, EMTH210
MATH201-24S1 (C) Semester 1

MATH202 Differential Equations
15 Points 0.1250 EFTS
This course deals with analytical, numerical, and geometric techniques for differential equations, including applications.
P: One of MATH103, MATH199 or EMTH119; and one of COSC121, COSC131 or other relevant experience as approved by the HOS
R: MATH262, MATH264, EMTH202, EMTH204
MATH202-24S2 (C) Semester 2

MATH203 Linear Algebra
15 Points 0.1250 EFTS
Linear algebra is a key part of the mathematician's toolkit and has applications to many areas in science, commerce and engineering. This course develops the fundamental concepts of linear algebra, including vector spaces, linear transformations, eigenvalues, and orthogonality. Emphasis is placed on understanding both abstract mathematical structures and their concrete applications.
P: MATH103 or EMTH119 or MATH199
R: MATH252, MATH254, EMTH203, EMTH204, EMTH211, DATA203
MATH203-24S1 (C) Semester 1

MATH220 Discrete Mathematics and Cryptography
15 Points 0.1250 EFTS
Discrete mathematics underpins many areas of modern-day science. This course is an introduction to graph theory and cryptography, two central topics in discrete mathematics.
P: MATH120 and one of MATH102, MATH103, MATH199, EMTH118, EMTH119
R: MATH221, MATH231
MATH220-24S1 (C) Semester 1

MATH230 Logic, Automata, and Computability
15 Points 0.1250 EFTS
An introduction to various formal logics, the theory of automata, and the theoretical limitations of the computer.
P: 15 points from MATH102-199, and a further 15 points from 100 level COSC, EMTH, MATH, PHIL or STAT courses, excluding COSC110 and MATH101.
R: MATH208, MATH308, PHIL208 (prior to 2014), PHIL210, PHIL308 (prior to 2014).
EQ: PHIL210
MATH230-24S2 (C) Semester 2

MATH240 Introduction to Analysis
15 Points 0.1250 EFTS
This course will develop the students' skills in mathematically rigorous thinking through the study of analysis, one of the fundamental subjects within mathematics. Throughout the course, students will acquire the necessary tools to formulate and prove results about a range of topics, including the real number system and limits.
P: MATH103, MATH199 or EMTH119.
R: MATH222, MATH243
MATH240-24S2 (C) Semester 2

MATH270 Mathematical Modelling and Computation 2
15 Points 0.1250 EFTS
Use of the Python language for numerical methods, including solutions of systems of linear equations, solution of ordinary differential equations and systems of differential equations, boundary value problems, approximation techniques, area integration, statistics, random number generation, and Monte Carlo integration. Modelling projects and applications.
P: Both COSC121 and MATH103; or one of EMTH171, MATH170, or MATH171; or approval of the Dean of Engineering and Forestry. COSC121 can be replaced by COSC131, and MATH103 can be replaced by EMTH119 or MATH199.
R: EMTH271, MATH271
MATH270-24S2 (C) Semester 2

MATH302 Partial Differential Equations
15 Points 0.1250 EFTS
An introduction to the methods of solution for partial differential equations and to their applications.
P: (MATH201 and MATH202) or EMTH210
R: MATH361, EMTH391, EMTH413
MATH302-24S1 (C) Semester 1

MATH303 Applied Matrix Algebra
15 Points 0.1250 EFTS
A continuation of 200-level linear algebra with computational and theoretical aspects and applications.
P: One of MATH203, EMTH211, or DATA203
R: MATH352, EMTH412
MATH303-24S2 (C) Semester 2

MATH320 Discrete Mathematics
15 Points 0.1250 EFTS
Discrete mathematics underpins many areas of modern-day science. In MATH320, we explore selected topics in discrete mathematics in greater depth and detail. In particular, we investigate some technical methods that allow for elegant solutions to more advanced enumeration questions, and explore the structural properties of directed graphs and partially-ordered sets (posets). Topics covered: Term 1: Combinatorial enumeration: Binomial identities and direct enumeration. Principle of Inclusion and Exclusion; Generating functions (ordinary and exponential). Lagrange inversion and applications. Term 2: Directed graphs and posets: Basic Ramsey theory, theory of directed graphs (structural results, algorithms, algebraic methods, phase transitions) and partially-ordered sets (Möbius inversion, Dilworth Theorem).
P: 30 points from MATH201, MATH202, MATH203, MATH220, MATH240, EMTH210, EMTH211.
MATH320-24S1 (C) Semester 1

MATH321 Rings and Fields
15 Points 0.1250 EFTS
An introduction to fields and rings, including applications to coding theory and the impossibility of constructions such as 'squaring the circle'.
P: ONE of MATH203, DATA203 or EMTH211, and ONE of MATH120, MATH220, MATH240
R: MATH439, MATH311
MATH321-24S1 (C) Semester 1

MATH324 Cryptography and Coding Theory
15 Points 0.1250 EFTS
This course deals with the mathematical ideas underlying modern cryptography, including algebra, number theory and probability theory.
P: ONE of MATH203, DATA203 or EMTH211, and ONE of MATH120, MATH220, MATH240
R: MATH391
MATH324-24S2 (C) Semester 2

MATH343 Metric, Normed and Hilbert Spaces
15 Points 0.1250 EFTS
An introduction to those parts of modern analysis essential for many aspects of pure and applied mathematics, physics, economics and finance.
P: (MATH120 or MATH240), and a further 15 points from (MATH201, MATH202, MATH203, MATH240, EMTH210, or EMTH211).
MATH343-24S1 (C) Semester 1

MATH353 Computational Mathematics and Applications
15 Points 0.1250 EFTS
This course looks at a variety of methods for solving important computational problems that arise in science, engineering and commerce. In addition to applications, we will look at the methods' basic theoretical properties (stability, accuracy, computational complexity, convergence). During the course, you will learn about the performance of the methods through examples and counterexamples that highlight their pros and cons.

P: 1) Either MATH 201 or EMTH 210; AND 2) One of MATH 202, MATH 203, MATH 240, MATH 270, EMTH 211 or EMTH 271. With the permission of the Head of School a high grade in either MATH 201 or EMTH 210 will suffice.
R: EMTH414

MATH353-24S1 (C) **Semester 1**

MATH363 Dynamical Systems
15 Points 0.1250 EFTS
An introduction to nonlinear systems, the use of linearisation techniques and bifurcation theory.

P: MATH201 or EMTH210 and a further 15 points from (EMTH211, EMTH271, MATH202, MATH203, MATH240, MATH270).
R: EMTH415

MATH363-24S2 (C) **Semester 2**

MATH365 Applications of Complex Variables
15 Points 0.1250 EFTS
Applications of complex variable theory in the physical and engineering sciences. Contour integration. Conformal mappings.

P: MATH201 or MATH240; or, a high level of achievement in EMTH210 with Head of School approval
R: MATH342

MATH365-24S2 (C) **Semester 2**

MATH380 Mathematics in Perspective
15 Points 0.1250 EFTS
Topics in the history, philosophy, directions and culture of mathematics including significant results from the past and an outline of some major areas of progress in the 20th century.

P: 30 points in Mathematics or Statistics or Engineering Mathematics at 100 level. 45 points from the BA or BSc Schedule at 200 level in Mathematics, Statistics, Engineering Mathematics, related subjects, or other subjects with good grades, as approved by the Head of School.
R: MATH301, MATH433, HAPS405

MATH380-24S2 (C) **Semester 2**

MATH391 Special Topic
15 Points 0.1250 EFTS
This special topic will allow flexibility to offer new or one-off courses of strategic importance to the Department. Its potential uses include: new staff developing a course in their areas of research specialisation; visiting Erskine fellows offering courses covering exciting new developments.

P: Subject to the approval of the Head of School.

MATH391-24S1 (C) **Semester 1**

MATH392 Special Topic
15 Points 0.1250 EFTS
This special topic will allow flexibility to offer new or one-off courses of strategic importance to the Department. Its potential uses include: new staff developing a course in their areas of research specialisation; visiting Erskine fellows offering courses covering exciting new developments.

P: Subject to the approval of the Head of School.

MATH392-24S2 (C) **Semester 2**

MATH393 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.

MATH393-24S1 (C) **Semester 1**

MATH394 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.

MATH394-24S2 (C) **Semester 2**

MATH395 Mathematics Project
15 Points 0.1250 EFTS
This 150 hour course provides students with an opportunity to develop mathematical research skills to extend and strengthen their understanding of an area of mathematics. Note: This course cannot be included as part of the 300 level requirement for a Mathematics or Statistics major.

P: Subject to approval of the Head of School
R: MATH305

MATH395-23SU2 (C) **Summer (Nov 23)**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MASC686 MMathSci Project
60 Points 0.5000 EFTS
This course will give you research experience by completing an independent study on a project with an emphasis on a subject in the Mathematical Sciences. You will have an academic supervisor to provide research guidance throughout your project. Your research project topic will be chosen in discussion with your academic supervisor. We work with you to pair you up with a suitable supervisor. You will develop an initial research proposal and then undertake the research work. You will complete the project by producing a written research report and giving an oral presentation of your work.

P: Subject to approval of the Head of Department.

MASC686-24A (C) **Starts Anytime**

MATH401 Dynamical Systems
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.

MATH401-24S2 (C) **Semester 2**

MATH403 Advanced Methods in Mathematical Modelling
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.

MATH403-24S1 (C) **Semester 1**

MATH407 Special Topic in Mathematics
15 Points 0.1250 EFTS
Special Topic in Mathematics

P: Subject to approval of the Head of School

MATH407-24S2 (C) **Semester 2**

MATH411 Topics in Algebra
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.

MATH411-24S1 (C) **Semester 1**

MATH412 Optimization
15 Points 0.1250 EFTS
Techniques for optimising smooth functions both with and without constraints present.

P: Subject to approval of the Head of School.
R: EMTH604

MATH412-24S1 (C) **Semester 1**

MATH414 Computational Methods
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.

MATH414-24S1 (C) **Semester 1**

MATH415 Numerical Analysis
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.

MATH415-24S2 (C) **Semester 2**

MATH425 Real and Complex Analysis
15 Points 0.1250 EFTS
Real and Complex Analysis

P: Subject to approval of the Head of School.

MATH425-24S2 (C) **Semester 2**

MATH426 Geometry
15 Points 0.1250 EFTS
The course deals with advanced topics in geometry

P: Subject to approval of the Head of School.

MATH426-24S2 (C) **Semester 2**

MATH428 Topology
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.

MATH428-24S1 (C) **Semester 1**

MATH429 Combinatorics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
MATH429-24S1 (C) **Semester 1**

MATH433 Mathematics in Perspective
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
R: MATH380, HAPS405
MATH433-24S2 (C) **Semester 2**

MATH443 Metric, Normed and Hilbert Spaces
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
MATH443-24S1 (C) **Semester 1**

MATH449 Project
30 Points 0.2500 EFTS
P: Subject to approval of the Head of School.
MATH449-24W (C) **Whole Year (S1 and S2)**
MATH449-24CY (C) **Cross Year**

MATH475 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
MATH475-24S1 (C) **Semester 1**
MATH475-24S2 (C) **Semester 2**

MATH491 Research Project
15 Points 0.1250 EFTS
This 150 hour course provides students with an opportunity to develop mathematical or statistical research skills to extend and strengthen their understanding of an area of mathematics or statistics. Students will be involved in a research project with a supervisor. The project will be closely aligned with the supervisor's existing research programme.
P: Subject to approval of the Head of School.
MATH491-23SU2 (C) **Summer (Nov 23)**
MATH491-24A (C) **Starts Anytime**

MATH690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MATH690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

MATH695 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MATH695-24A (C) **Starts Anytime**

MATH697 MMathSci Thesis (Mathematics)
90 Points 0.7500 EFTS
This course will give you research experience by completing an independent study on a project in Mathematics. You will have an academic supervisor to provide research guidance throughout your project. Your research project topic will be chosen in discussion with your academic supervisor. We work with you to pair you up with a suitable supervisor. You will develop an initial research proposal and then undertake the research work. You will complete the project by producing a thesis and giving an oral presentation of your work.
P: Subject to approval of the Head of Department
MATH697-24A (C) **Starts Anytime**

MASC684 MMathSci Project (45 points)
45 Points 0.3750 EFTS
This course will give you research experience by completing an independent study on a project with an emphasis on a subject in the Mathematical Sciences. You will have an academic supervisor to provide research guidance throughout your project. Your research project topic will be chosen in discussion with your academic supervisor. We work with you to pair you up with a suitable supervisor. You will develop an initial research proposal and then undertake the research work. You will complete the project by producing a written research report and giving an oral presentation of your work.
P: Subject to approval of the Head of Department.
MASC684-24A (C) **Starts Anytime**

MATH790 Mathematics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MATH790-24A (C) **Starts Anytime**
MATH790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Mathematics and Philosophy

Te Kura Pāngarau | School of Mathematics and Statistics

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MPHI450 Project
39 Points 0.3250 EFTS
P: Subject to approval of the Head of School.
MPHI450-24W (C) **Whole Year (S1 and S2)**

MPHI790 Mathematics and Philosophy PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MPHI790-24A (C) **Starts Anytime**
MPHI790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Mechanical Engineering

Te Tari Pūhanga Pūrere | Department of Mechanical Engineering

ENME199 Workshop Training Course for Mechanical and Mechatronics Engineering
0 Points 0.0000 EFTS
This workshop training course will give students a basic experience of workshop processes. This course is for Mechanical Engineering and Mechatronics Engineering students.
P: Approval into the BE(Hons) Programme
C: ENME201 or (ENMT211 and ENMT221)
ENME199-24A (C) **Starts Anytime**

ENME201 Design Communication
15 Points 0.1250 EFTS
Projection theory, visualisation techniques, orthographic drawing, introduction to a modern CAD package.
P: ENGR101 Foundations of Engineering and Deans approval
ENME201-24S1 (C) **Semester 1**

ENME202 Stress, Strain and Deformation in Machine Elements
15 Points 0.1250 EFTS
Axial, torsional, transverse and bending loads; compound states of stress, principal stresses and strains; basic theories of failure for ductile and brittle materials; buckling including local buckling effects; basic energy methods; impact theory.
P: Subject to the approval of the Dean of Engineering and Forestry
ENME202-24S1 (C) **Semester 1**

ENME203 Dynamics and Vibrations
15 Points 0.1250 EFTS
Dynamics and kinematics of mechanical and mechatronic systems; derivations and analysis of equation(s) of motion of single and multi-degree of freedom systems; vibrations: free and forced vibrations (harmonic, periodic, quasi- and aperiodic); computational methods to solve differential equations (Euler, Newmark-Beta, Runge-Kutta).
P: Subject to the approval of the Dean of Engineering and Forestry
ENME203-24S2 (C) **Semester 2**

ENME207 Materials Science and Engineering
15 Points 0.1250 EFTS
Fundamental relationships between structure, processing, physical properties and performance for metallic, ceramic, polymeric and composite materials.
P: Subject to the approval of the Dean of Engineering and Forestry
ENME207-24S2 (C) **Semester 2**

ENME215 Engineering Thermodynamics
15 Points 0.1250 EFTS
This course introduces the concept of energy and the laws governing the transfers and transformations of energy. The course begins with an emphasis on thermodynamic properties and the First and Second Law analysis of systems and control volumes. This follows with an integration of these concepts into the analysis of basic power cycles. The course continues with an emphasis on the analysis of power and refrigeration cycles and the application of basic principles to engineering problems.

P: Subject to the approval of the Dean of Engineering and Forestry.
R: ENME204, ENME305
ENME215-24S1 (C) **Semester 1**

ENME221 Engineering Design and Manufacture
15 Points 0.1250 EFTS
Manufacturing processes, metrology and conceptual design. Introduction to CAD/CAM.

P: ENME201 or 2nd Year Director of Studies Approval
ENME221-24S2 (C) **Semester 2**

ENME299 Independent course of Study
15 Points 0.1250 EFTS
Independent course of Study

P: Subject to the approval of the Head of Department
ENME299-24S1 (C) **Semester 1**
ENME299-24S2 (C) **Semester 2**

ENME301 Engineering Design and Production Management
15 Points 0.1250 EFTS
Design process, simple structures, shafts, bearings couplings and brakes; mechanical power transmission. Production quality, process design and production management.

P: ENME201; ENME202; ENME221
ENME301-24S1 (C) **Semester 1**

ENME302 Computational and Applied Mechanical Analysis
15 Points 0.1250 EFTS
Partial differential equations and their classification; boundary and initial conditions; analytical solution methods. Introduction to computational solution techniques and packages in solid mechanics (FEM), fluid dynamics (CFD) and heat/mass transfer.

P: EMTH210, EMTH271 or EMTH211, ENME202
ENME302-24S2 (C) **Semester 2**

ENME303 Controls and Vibrations
15 Points 0.1250 EFTS
Design and analysis of feedback control systems for dynamic systems. Focus is on using these tools for design and problem solving using classical feedback control methods, including: Laplace transforms, block diagrams, dynamic response, steady-state error analysis, stability analysis, root locus plots, frequency response analysis.

P: EMTH210; ENME203
R: ENEL321
ENME303-23SU2 (D) **Summer (Nov 23)**
ENME303-24S1 (C) **Semester 1**

ENME307 Performance of Engineering Materials
15 Points 0.1250 EFTS
Modelling elastic and plastic behaviour. Mechanisms of ductile/brittle overload, fatigue, creep and corrosion. Linear elastic fracture mechanics. Prediction of remaining life due to fatigue, creep, corrosive environments. Fracture safe design and fracture control plans. Correlation between chemical, structural and physical characteristics of metals and plastics necessary for appropriate material selection, design and processing.

P: ENME207
ENME307-24S1 (C) **Semester 1**

ENME311 Mechanical Engineering Design
15 Points 0.1250 EFTS
This course will cover more in-depth engineering design methods than ENME301 and cover procedures that are not included in the engineering science subjects. The subject matter will have a core mechanical design focus, with additional experience in calculation sets and drawing presentations. In particular, it covers fatigue in steel structures, the use of standards, pressure vessel design, and sustainability in manufacturing using Life Cycle Analysis (LCA). Overall students are brought to a level where they can undertake a substantial mechanical engineering design problem, in a methodical manner, and can produce a professional quality design report.

P: ENME301
R: ENME351, ENME362
ENME311-24S2 (C) **Semester 2**

ENME313 Electro Technology for Mechanical Engineers
15 Points 0.1250 EFTS
An introduction to the basic principles of circuit theories, RL and RC circuits, transduction principles, mechanical measurements, instrumentation techniques, operational amplifiers, data acquisition, Programmable Logic Control, power electronics and electric machines and control.

P: 60 points at 200-level in mechanical engineering
R: ENMT201
ENME313-24S2 (C) **Semester 2**

ENME314 Fluid Mechanics
15 Points 0.1250 EFTS
This course considers the fundamental concept of fluid mechanics with an introduction to the fundamental conservation equations (in integral and differential forms). The course objective is to give the students the necessary theoretical understanding to analyse and solve complex engineering problems in fluid systems. Applications to a variety of topics are provided including fluid statics, experimental similitude, pipe systems, and turbo machinery.

P: EMTH210 and 15 points at 200-level engineering
R: ENME304
ENME314-24S1 (C) **Semester 1**

ENME315 Heat Transfer
15 Points 0.1250 EFTS
This course provides a comprehensive introduction to heat transfer fundamentals and their applications. The course introduces students to the analysis of steady-state and transient one- and multi-dimensional heat conduction. The course considers the analysis of heat transfer by convection using empirical and boundary layer approximations. Radiation heat transfer is considered with applications to multi-body radiation.

P: ENME215 or ENME204
R: ENME305
ENME315-24S2 (C) **Semester 2**

ENME351 Biomedical Engineering Design
15 Points 0.1250 EFTS
This course will cover more in-depth engineering design methods than ENME301 and cover procedures that are not included in the engineering science subjects. The subject matter will have a biomedical design focus and will include additional content to cover bioethics and regulatory compliance. Overall students are brought to a level where they can undertake a substantial biomedical engineering design problem in a methodical manner, and can produce a professional quality design report.

P: ENME301
R: ENME311, ENME362
ENME351-24S2 (C) **Semester 2**

ENME362 Aerospace Engineering Design
15 Points 0.1250 EFTS
This course covers more in-depth engineering design methods than ENME301 and covers procedures that are not included in the engineering science subjects. The subject matter will have an aerospace design focus and will include additional content to cover aerospace conceptual design, cost and weight estimation, configuration and layout, basic aircraft performance; aircraft subsystems; lifecycle topics; safety and reliability certification requirements, risk analysis and management. Overall students are brought to a level where they can undertake a substantial aerospace engineering design problem in a methodical manner, and can produce a professional quality design report.

P: ENME201, ENME221, ENME301
R: ENME311, ENME351
ENME362-24S2 (C) **Semester 2**
Limited to 40 unless authorised by Head of Department or delegate

ENME396 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Director of Studies
R: ENME303
ENME396-24S2 (C) **Semester 2**

ENGR401 Computational Fluid Dynamics
15 Points 0.1250 EFTS
Theoretical and practical aspects of Computational Fluid Dynamics, including the theory of fluid flow equations, numerical methods of solving these equations, turbulence, and experience with a commercial CFD software.

P: ENME304 or ENME314, or ENCH393, or ENCN342 and EMTH210 ENME201 ENME202 ENME215 EMTH271 ENME203 ENME207 ENME221
ENGR401-24S1 (C) **Semester 1**

ENME401 Mechanical Systems Design
15 Points 0.1250 EFTS
This course involves a series of lectures on applying the process of engineering design. Students will learn to develop their ability in design while completing two design assignments. The first assignment involves a conceptual design task. This task description will be vague and incompletely specified. Students will gather and critically assess information required to clarify the task. During the process of conceptual design students will create alternative design solutions. These solutions will be evaluated and the most suitable design concept selected and developed. The second assignment involves an embodiment and detail design task. Students will start with an engineering concept and will evolve this concept towards a detailed technical system in which performance, reliability and economy are maximised. These objectives are achieved under the umbrella of two overriding objectives, namely, safety and sustainability.

P: ENME311 or ENME351 or ENME362 or ENMT301 and EMTH210 ENME201 ENME202 ENME215 EMTH271 ENME203 ENME207 ENME221

ENME401-24S1 (C) **Semester 1**

ENME403 Linear Systems Control and System Identification
15 Points 0.1250 EFTS
State-space modelling, solution and analysis of state-space equations. Control systems aspects include state feedback and pole placement, state estimation and optimal control. System identification, which is complementarily related to control systems design/analysis will develop and solve linear methods of model identification and creation from data.

P: ENME303 or ENEL321
R: ENEL430

ENME403-23SU2 (D) **Summer (Nov 23)**

ENME404 Aerodynamics and Ground Vehicle Dynamics
15 Points 0.1250 EFTS
Aerofoil theory; Flat plate lift and drag; Aerofoil lift and drag; Predicting aerofoil data with Xfoil; Boundary layer theory; Aircraft performance; Stability and control in flight; Wind tunnel testing; Glider design, build and test; Propeller design; BEMT method; High speed (compressibility) effects; Wheeled ground vehicles: load transfer, tyre design, traction and rolling resistance, aerodynamics, suspension, steering, and potential flow.

P: (1) ENME304 or ENME314; and (2) EMTH271, ENME203, ENME207 and ENME221.
R: ENME604

ENME404-24S2 (C) **Semester 2**

ENME406 Engineering Product Design and Analysis
15 Points 0.1250 EFTS
This course develops engineering design skills with a particular focus on the proficient use of modern CAD-integrated finite element analysis (FEA) tools for optimising product attributes. Modern CAD software is used to produce detailed part and assembly models, which students then analyse. Major topics include: fundamental principles of FEA, design of organic shapes by free-style CAD, CAD-integrated analysis (e.g. stress/strain, thermal loading, dynamics), non-linear analysis (with experimental validation), optimisation, user needs, and the recursive nature of the product design process.

P: ENME302, EMTH210, ENME201, ENME202, ENME215, EMTH271, ENME203, ENME207, ENME221

ENME406-24S2 (C) **Semester 2**

ENME407 Advanced Materials Science and Engineering
15 Points 0.1250 EFTS
Materials processing; phase transformations in metals and alloys; aluminium and ferrous alloys.

P: ENME307, EMTH210, ENME201, ENME202, ENME215, EMTH271, ENME203, ENME207 and ENME221.
R: ENME607

ENME407-24S1 (C) **Semester 1**

ENME408 Honours Research and Development Project
30 Points 0.2500 EFTS
Team-based capstone research and development project. The purpose of the course is to develop applied professional problem-solving skills. There are no pre-existing solutions paths, no standard recipes to follow. Students apply research and design, select their own tools and find their own solution.

P: 60 points at 300-level in Mechanical Engineering and EMTH210, ENME202, ENME201, ENME215, EMTH271, ENME203, ENME207, ENME221
C: ENME 418

ENME408-24W (C) **Whole Year (S1 and S2)**
ENME408-24S2 (C) **Semester 2**

ENME411 Advanced Mechanical Systems Design
15 Points 0.1250 EFTS
This course involves a series of lectures on specialist topics in mechanical engineering design. Specialist topics include: hydraulic power systems; vibration isolation; design optimisation; similitude and scale modelling; risk & reliability. Students will learn to develop their ability in these specialist topics while completing a design assignment and a three day workshop. The assignment and workshop will each involve the application of engineering analysis in one or more of the specialist areas listed above. Students will communicate their designs using: hand sketches; engineering drawings; calculations; and formal technical reports. Students will need to be available to complete the 3-day workshop.

P: ENME401, EMTH210, EMTH271, ENME201, ENME202, ENME203, ENME207, ENME215, ENME221.

ENME411-24S2 (C) **Semester 2**

ENME412 Advanced Vibrations
15 Points 0.1250 EFTS
Advanced vibrations of discrete and continuous systems in mechanical and mechatronics engineering; analytical, computational and experimental analysis tools with which to investigate and predict the performance of systems; oscillatory types include self- and parametrically excited systems; the course also offers an introduction to the analysis of nonlinear systems.

P: ENME302, ENME203, EMTH210 ENME201 ENME202 ENME215 EMTH271 ENME207 ENME221

ENME412-24S1 (C) **Semester 1**

ENME417 Advanced Composite, Polymeric and Ceramic Materials
15 Points 0.1250 EFTS
This course is intended to reveal the correlation between structure and physical characteristics of plastics and composites necessary for appropriate material selection, design and processing. The course is concerned with the relationship between the structure, properties and processing of non-metallic materials (polymers, composites and ceramics)

P: ENME307 and EMTH210, EMTH271, ENME201, ENME202, ENME203, ENME207, ENME215, ENME221

ENME417-24S2 (C) **Semester 2**

ENME418 Engineering Management and Professional Practice for Mechanical Engineers
15 Points 0.1250 EFTS
The development of engineering management skills is essential to practice as a professional engineer. Engineers carry out technical analyses, but technology is always embedded in the context of society and business. Engineers therefore need to be able to integrate their solutions and planning within these broader contexts. This course covers professional engineering competencies, continuous professional development, engineering ethics, risk management, safety engineering, environmental impact assessment, life cycle analysis, socio-technical considerations, societal impact assessment, engineering implications of Treaty of Waitangi and biculturalism, systems engineering principles, project management methods, contract law, product liability law, health & safety legistation, intellectual property protection, innovation, entrepreneurship and route to market, cash flow and time value of money, financial reports, engineering psychology, managing teams & conflict, and writing an engineering applied research report.

P: (1) 60 points at 300-level in Mechanical Engineering; and (2) EMTH210, ENME201, ENME202, ENME215, EMTH271, ENME203, ENME207 and ENME221.
R: ENME618

ENME418-24S2 (C) **Semester 2**

ENME423 Instrumentation and Sensors
15 Points 0.1250 EFTS
With a focus on measurements and sensor types encountered in Mechanical Engineering and Mechatronics, this course covers techniques to design, carry out, and interpret the results of testing and experiments. Topics include: design of experiments, statistical techniques for measurement data analysis, measurement uncertainty analysis, mechanical measurements, signal conditioning, measurement automation and sensor networks. Students will gain practical experience with common sensors and the hardware and software required for data collection and processing.

P: ENME313 or ENMT301 and EMTH210 ENME201 ENME202 ENME215 EMTH271 ENME203 ENME207 ENME221

ENME423-24S1 (C) **Semester 1**

ENME427 Engineering Failure Analysis and Prevention
15 Points 0.1250 EFTS
This course examines various failure mechanisms, including corrosion, wear, stress corrosion and fatigue. Problem solving/mitigation methods such as FMEA and 5-Whys will be practiced. There is a significant laboratory component, in which students perform individual failure analysis projects that require competency on metallography, optical microscopy, hardness testing, scanning electron microscopy and energy dispersive X-ray spectroscopy. Hands-on experience will be gained.

P: (1) ENME207 and (2) ENME307, or equivalent or with instructor permission. and EMTH210, ENME201, ENME202, ENME215, EMTH271, ENME203, ENME221

ENME427-24S2 (C) **Semester 2**

ENME451 Biomechanics
15 Points 0.1250 EFTS
This course will cover research techniques in biomechanics using data capture equipment and provides a framework in which to analyse movement, force generation, and physiology through an understanding of Cartesian vector analysis, analytical methods and tools for the analysis of the human body. Students will be equipped to make quantitative measurements and apply the principles of biomechanics to measuring performance.

P: 30 points of ENME at 300 level and EMTH210, ENME201, ENME202, ENME215, EMTH271, ENME203, ENME207, ENME221

ENME451-24S2 (C) **Semester 2**

ENME460 Aerospace Propulsion
15 Points 0.1250 EFTS
Carrying out thermodynamic and flow analyses of engine components; understanding the aero-thermodynamic aspects of aircraft engine component design and their performance relationship.

P: EMTH210, ENME201, ENME202, ENME215, EMTH271, ENME203, ENME207, ENME221; and approval from Head of Department.
R: ENME660
ENME460-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

ENME465 Heating Ventilation and Air Conditioning (HVAC) Engineering
15 Points 0.1250 EFTS
This course is intended for students who are interested in the field of Building Services. The overall objective of this course is to prepare students for professional practice in the area of mechanical system design to satisfy the requirements for a comfortable, healthy, and productive indoor environment for commercial buildings. The course draws on previous student experiences in physics, thermodynamics, fluid mechanics, and heat and mass transfer. Upon completion of the course, students will possess the skills to calculate heating, cooling, and ventilation requirements for buildings, design and evaluate conventional HVAC systems to meet these requirements, and design and evaluate low energy systems for high performance buildings
P: UC MECH Students should have passed: ENME215, ENME315, ENME314, EMTH210 ENME201 ENME202 EMTH271 ENME203 ENME207 ENME221 Students from other disciplines or other schools should have passed the courses that are covered in undergraduate level: Thermodynamics, Heat Transfer, Fluid Mechanics.
R: ENME665
ENME465-24S1 (C) **Semester 1**

ENME480 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department
ENME480-24S1 (C) **Semester 1**
ENME480-24W (C) **Whole Year (S1 and S2)**
ENME480-24S2 (C) **Semester 2**

ENME488 Special Topic: Mechanics of Flight and Spaceflight
15 Points 0.1250 EFTS
Special Topic.
P: EMTH271
ENME488-24S2 (C) **Semester 2**

ENME492 Industry 4.0: Intelligent design and manufacturing
15 Points 0.1250 EFTS
The course provides students an opportunity to get prepared for Industry 4.0 (the Fourth Industrial Revolution) with a focus on advanced applications in intelligent design and manufacturing. Students' understanding and capabilities in design and manufacturing will be further developed with the latest technological developments in Industry 4.0, such as additive manufacturing, generative design, predictive maintenance, smart manufacturing, etc. Students will get familiar with both theories and industrial methodology/platforms of Industry 4.0 by working both individually and in groups. Hands-on experience will also be gained through labs and course projects. Particularly, students will learn how to identify an industrial problem, implement Industry 4.0 technologies, develop intelligent design and manufacturing solutions, build prototypes using industrial methodology/platforms, and conduct performance analysis. After taking this course, students will be well prepared for Industry 4.0 with key technological skills and hand-on experience to develop intelligent design and manufacturing solutions that are changing the whole industry.
P: ENME301, ENME311 or ENMT301 and EMTH210, ENME201, ENME202, ENME215, EMTH271, ENME203, ENME207, ENME221
R: ENME692
ENME492-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENME603 Advanced Linear Systems Control and System Identification
15 Points 0.1250 EFTS
State-space modelling, solution and analysis of state-space equations. Control systems aspects include state feedback and pole placement, state estimation and optimal control. System identification, which is complementarily related to control systems design/analysis will develop and solve linear methods of model identification and creation from data.
P: Subject to approval of the Head of Department.
R: ENME403
RP: Bachelors degree in Engineering or equivalent
ENME603-24S1 (C) **Semester 1**

ENME604 Advanced Aerodynamics and Ground Vehicle Dynamics
15 Points 0.1250 EFTS
Aerofoil theory; Flat plate lift and drag; Aerofoil lift and drag; Predicting aerofoil data with Xfoil; Boundary layer theory; Aircraft performance; Stability and control in flight; Wind tunnel testing; Glider design, build and test; Propeller design; BEMT method; High speed (compressibility) effects; Wheeled ground vehicles: load transfer, tyre design, traction and rolling resistance, aerodynamics, suspension and steering
P: Subject to approval of the Head of Department.
R: ENME404
RP: Bachelors degree in Engineering or equivalent
ENME604-24S2 (C) **Semester 2**

ENME607 Advanced Materials Science and Engineering
15 Points 0.1250 EFTS
Materials processing; phase transformations in metals and alloys; aluminium and ferrous alloys.
P: Subject to approval of the Head of Department.
R: ENME407
RP: Bachelors degree in Engineering or equivalent
ENME607-24S1 (C) **Semester 1**

ENME618 Advanced Engineering Management and Professional Practice for Mechanical Engineers
15 Points 0.1250 EFTS
The development of engineering management skills is essential to practice as a professional engineer. Engineers carry out technical analyses, but technology is always embedded in the context of society, and usually also business. Engineers therefore need to be able to integrate their solutions and planning within these broader contexts. This course covers the main topics in engineering management and professional practice: project management, professional engineering competence and careers, environmental and societal dimensions, cultural and societal expectations, personal harm, health and safety, ethics, risk management, product liability, torts, managing people, team and conflict, structure of organisations, organisational change, managing a financial budget, cashflow, marketing, vision and strategy, intellectual property protection, entrepreneurship. The focus throughout the course is on the mechanical engineering contexts, including new product development and production engineering. The course develops students' ability to solve problems in these various other areas, and produce integrative solutions for prospective engineering ventures.
P: Subject to approval of the Head of Department.
R: ENME418
RP: Bachelors degree in Engineering or equivalent
ENME618-24S2 (C) **Semester 2**

ENME623 Advanced Instrumentation and Sensors
15 Points 0.1250 EFTS
Deepen and broaden education of Mechanical Engineering and Mechatronics Engineering in the essential elements of instrumentation and sensing technologies. Statistical techniques for measurement data analysis, measurement uncertainty analysis, measurement system modelling and analysis, mechanical measurements, motion measurement and control, signal conditioning, industrial and sensor networks, instrument design using Labview.
P: Subject to approval of the Head of Department.
R: ENME423
RP: Bachelors degree in Engineering or equivalent
ENME623-24S1 (C) **Semester 1**

ENME660 Aerospace Propulsion
15 Points 0.1250 EFTS
Carrying out thermodynamic and flow analyses of engine components; understanding the aero-thermodynamic aspects of aircraft engine component design and their performance relationship.
P: Approval from Head of Department.
R: ENME460
ENME660-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

ENME675 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
ENME675-24A (C) **Starts Anytime**
ENME675-24S1 (C) **Semester 1**
ENME675-24S2 (C) **Semester 2**

ENME680 Project
60 Points 0.5000 EFTS
P: Subject to approval of the Head of Department.
ENME680-24A (C) **Starts Anytime**
ENME680-24W (C) **Whole Year (S1 and S2)**

ENME682 Special Topic in Mechanical Engineering - Project
30 Points 0.2500 EFTS
P: Subject to approval of the Head of Department
ENME682-24S1 (C) **Semester 1**
ENME682-24W (C) **Whole Year (S1 and S2)**
ENME682-24S2 (C) **Semester 2**

ENME690 ME Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENME690-24A (C) Starts Anytime
Part-time enrolment (0.65 EFTS) is available on approval.

ENME692 Industry 4.0: Intelligent design and manufacturing
15 Points 0.1250 EFTS
The course provides students an opportunity to get prepared for Industry 4.0 (the Fourth Industrial Revolution) with a focus on advanced applications in intelligent design and manufacturing. Students' understanding and capabilities in design and manufacturing will be further developed with the latest technological developments in Industry 4.0, such as additive manufacturing, generative design, predictive maintenance, Industrial Artificial Intelligence (IAI), Industrial Internet of Things (IIoT), etc. Students will get familiar with both theories and industrial methodology/platforms of Industry 4.0 by working both individually and in groups. Hands-on experience will also be gained through labs and course projects. Particularly, students will learn how to identify an industrial problem, implement Industry 4.0 technologies, develop intelligent design and manufacturing solutions, build prototypes using industrial methodology/platforms, and conduct performance analysis. After taking this course, students will be well prepared for Industry 4.0 with key technological skills and hand-on experience to develop intelligent design and manufacturing solutions that are changing the whole society.
P: ENME301, ENME311 or ENMT301
R: ENME492
ENME692-24S1 (C) Semester 1

ENME790 Mechanical Engineering PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
ENME790-24A (C) Starts Anytime
ENME790-24A (D) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Media and Communication

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

COMS101 Media and Society
15 Points 0.1250 EFTS
COMS101 explores the relationship between society and media - including social media, print, broadcasting, and all kinds of online spaces. It asks how our understandings of the world and people around us are mediated, how media have shaped society, and how society is reflected and produced through media. We will explore topics like media audiences, technologies, ownership and work; the frames of representation, power, and identity; and analytical tools like semiotics, discourse, and narrative. COMS101 is a stage one course that does not require any prior media study, but it builds on everything you have ever watched, listened to, interacted with, and produced. This course has on-campus and distance options. It includes weekly written exercises and requires active in-class engagement on campus, or in the distance stream to develop core university skills and learn effectively from the teaching staff and from each other.
COMS101-24S1 (C) Semester 1
COMS101-24S1 (D) Semester 1

COMS102 Introduction to News and Journalism
15 Points 0.1250 EFTS
This course provides students with an understanding of how news journalism works and why it looks the way it does. The course includes practical work designed to help students understand news practice from the inside and outside. The focus will be on Aotearoa New Zealand cases and particularly on the representation of te ao Māori in the news.
COMS102-24S2 (C) Semester 2
COMS102-24S2 (D) Semester 2

COMS104 Introduction to Strategic Communication
15 Points 0.1250 EFTS
This course examines the role of strategic communication in society as an economic and political force. Strategic communication attempts to persuade and argue for a particular position that one is advocating for - whether that be on behalf of a business, a governmental policy, or a social cause. Obvious examples from within media are public relations and advertising, however, this course will examine how sponsored messaging has affected social institutions, from education to politics to media to health to philanthropy. The second half of the course is focused on building the skills necessary to create effective strategic messages. This course has on-campus and distance options, and requires active participation.
COMS104-24S2 (C) Semester 2
COMS104-24S2 (D) Semester 2

COMS201 Media Audiences
15 Points 0.1250 EFTS
How does our media consumption shape our opinions, actions, identities and lives? How do audiences influence the production and circulation of media? How do we create our own media presence online, and act as an audience for each other? This course examines the relationship between audiences and media. We discuss theory and research that represents audiences as passive consumers of media products, active decoders of media texts, producers of our own representations online, and participants in interactive media production. The course looks at a broad range of media forms and content to reflect and build on your own experiences of being media audience members. "Media Audiences" will encourage you to reflect on your own relationship with media, and to consider the broader contexts that shape your listening, viewing, reading, and interaction. This course has on-campus and distance options. It has a one hour lecture and a two-hour workshop each week. The course includes group work in classes and for assessments, and requires active in-class engagement. You will advance core skills in reading and carrying out research, with reflection, collaborative work, networking, creativity, writing and presentation.
P: Any 15 points at 100 level from COMS or CULT, or any 60 points at 100 level from the Schedule V of the BA.
R: CULT201
EQ: CULT201
COMS201-24S2 (C) Semester 2
COMS201-24S2 (D) Semester 2

COMS204 Advertising and Cultural Consumption
15 Points 0.1250 EFTS
Advertising has become a central component of our contemporary cultural environment that finances all of the communication industries. However, the effects of advertising may lie far outside only the funding of media systems. This course explores the relationship between advertising, consumerism, identity, the environment and citizenship. You will learn be deconstructing the system, analysing advertisements, examining the effects of advertising on identity, and looking into the rise of ethical brands and sustainability. Then will study advertising from an insider perspective, finding out how advertising agencies work and ads are created. This course has on-campus and distance options. It includes group work and requires active engagement in class, or online for distance students, to create and share work with others, in order to learn from and support each other.
P: Any 15 points at 100 level from COMS, or any 60 points at 100 level from the Schedule V of the BA.
COMS204-24S1 (C) Semester 1
COMS204-24S1 (D) Semester 1

COMS205 Media and Politics
15 Points 0.1250 EFTS
The course provides an understanding of the role of the media in domestic and international politics. It does this by analysing key theoretical assumptions and debates on the role of media institutions in the struggle for power domestically and internationally. This course includes group work and requires active in-class engagement. It has on-campus and distance options. It features internationally-recognised top experts in the field of political communication as our guest speakers. Research, critical debate, collaborative work, networking, creativity, writing and presentation are among the core skills this course aims to advance.
P: Any 15 points at 100 level from COMS or POLS, or any 60 points at 100 level from the Schedule V of the BA.
R: POLS232
EQ: POLS232
COMS205-24S1 (C) Semester 1
COMS205-24S1 (D) Semester 1

COMS207 Social Media
15 Points 0.1250 EFTS
This course contains practical work in the community and groupwork. The course prepares students to do public communication in a rapidly changing media environment. The first half of the course explores how a range of social media platforms work and how professional communicators are attempting to use it. Topics include networks, online community, social media analytics and social media campaigns. In the second half of the course students apply these ideas in small-group projects for a community organisation or company. This course is available only to students enrolled in the Bachelor of Communication.
P: 15 points COMS or 60 points BC Schedule V. Subject to approval by the Head of Department.
R: COMS222 (2008-2012), DIGI207
EQ: DIGI207
COMS207-24S2 (C) Semester 2

COMS225 Politics and New Media
15 Points 0.1250 EFTS
A Facebook profile is required to take part in this course. This course is being offered at two universities at once in Finland and Aotearoa New Zealand. Students will take part in discussions with students from the other university and will be taught by academics from each university, with a tutor and lecturer at Canterbury coordinating the local version of the course. The course studies the latest developments on how public life and politics are being shaped by web-based communication. You will be asked to think critically about the globalisation of politics online, about the divisions between haves and have nots and about the ways different groups pursue their agendas online.
P: ny 15 points at 100 level from COMS, or any 60 points at 100 level from the Schedule V of the BA.
COMS225-24SU1 (C) Summer (Jan 24)
COMS225-24SU1 (D) Summer (Jan 24)

COMS231 Digital Media Production
15 Points 0.1250 EFTS
This practical course teaches some of the core production skills that all communication practitioners need. You'll be introduced to basic digital media skills and shown how to produce and package content for online and mobile platforms. As well as being asked to create work, you'll be asked to reflect on it in the context of broader trends in media practice and the ethical responsibilities of digital communication. Please note, this course has a strongly practical focus and requires active in-class engagement for hands-on activities (such as photographing, filming and editing) and sharing and discussing work with others. It is not a distance course. This course is restricted to students enrolled in the Bachelor of Communication or Graduate Diplomas in Journalism or Strategic Communication.

P: 15 points COMS or 60 points BC Schedule V. Subject to approval by the Head of Department.

COMS231-24S1 (C) **Semester 1**

COMS232 Risk and Crisis Communication
15 Points 0.1250 EFTS
This applied course introduces students to a major area of the planning of communication, the management of risk. Theories of risk, crisis and the risk society are described, before the course focuses in detail on the practice of risk communication, including communication planning, crafting messages and involving communities in collective risk decision-making. Risks explored range from individuals' health and safety, disasters, reputational crises and pervasive risks such as climate change. This course has on-campus and distance options. You will learn from professional guests, and from each other, to develop skills in evaluating and planning crisis response.

P: Any 15 points at 100 level from COMS, or either ENVR101 or GEOG106, or any 60 points at 100 level from the Schedule V of the BA.

COMS232-24S2 (C) **Semester 2**
COMS232-24S2 (D) **Semester 2**

COMS233 Media Law for Journalists
15 Points 0.1250 EFTS
This course aims to give you the foundational knowledge you need to practice ethically and legally as a journalist. By the end of the course you're expected to have developed a basic understanding of the range and impact of laws and regulations restricting the media and journalists in New Zealand, as well as practical skills in court reporting. You will be required to attend a courts field trip, and to create and share work with others in order to learn from and support each other. Please note, the course's practical focus requires active in-class engagement. It is not a distance course. Note: This course is restricted to students enrolled in the Bachelor of Communication (Journalism) or Graduate Diploma in Journalism.

P: Limited Entry: Subject to admission to the Journalism Major and permission from the Head of Department.
R: LAWS396

COMS233-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

COMS305 Media and Social Change
30 Points 0.2500 EFTS
This course analyses the role of the media in social change and question whether media can, in fact, produce consensus within society, and if those changes are controllable by the artist/writer/producer, the audience, or the state. It does this by exploring theoretical underpinnings of societal shifts through the framework of the media as an important institution in society and in the construction of social reality. The course will invite students to further understand the role of the media in power relations by analysing such notions and processes as ideology, hegemony, representations, and media ethics. This course includes group work and requires active in-class engagement. This is not a distance course. This course has a strongly practical focus that requires active in-class engagement. This course requires students to create and share work with others, in order to learn from and support each other.

P: Any 30 points at 200 level from COMS, or any 60 points at 200 level from the Schedule V of the BA.

COMS305-24S1 (C) **Semester 1**

COMS306 Media Communication in International Context
30 Points 0.2500 EFTS
The course sets out to provide a critical insight and analysis into the role of media in contemporary international contexts. Its focus is on political communication during conflicts and wars, as well as its contribution to international collaborations and cross-border and cross-culture dialogues. Through a series of in-depth case studies, the course provides a comprehensive review of the key concepts and theories on the media's impact on, and role in international political communication. This course includes group work with students in the course collaborating with students from different countries, and requires active in-class engagement. It has on-campus and distance options. It features internationally-recognised top experts as our guest speakers. Research, team work, international collaboration, creativity, writing, presentation and cross-cultural skills are among the core skills this course aims to advance.

P: Any 30 points at 200 level from COMS or POLS, or any 60 points at 200 level from the Schedule V of the BA.
R: POLS332
EQ: POLS332

COMS306-24S2 (C) **Semester 2**
COMS306-24S2 (D) **Semester 2**

COMS320 Strategic Campaign Development
30 Points 0.2500 EFTS
This advanced course in strategic communication will start with a broad introduction to the process of strategic campaign planning. A significant portion of the course will be devoted to different situations that a campaign creator may come across. The course will talk about theoretical and professional strategies in advertising and public relations. Students will learn ways to create different types of campaign messages. This is not a distance course. This course teaches some of the core skills that all communication professionals will need. It includes group work and requires active in-class engagement.

P: Any 30 points at 200 level from COMS, or any 60 points at 200 level from the Schedule V of the BA.

COMS320-24S1 (C) **Semester 1**

COMS330 Communication in Context
30 Points 0.2500 EFTS
This course enables students to put their professional knowledge into a broader context of the communication landscape and the wider social landscape. The course will be divided into a series of modules in which different aspects of the context will be studied. Students will develop competence to work in bicultural and global contexts, learn about the responsibilities of a good communication practitioner and be asked to reflect on the kind of role they wish to fill. This course is restricted to students enrolled in the Bachelor of Communication or Graduate Diplomas in Journalism or Strategic Communication. The course cannot be done at a distance as the learning involves in-person discussion and a noho marae.

P: 30 points COMS 200-level or 60 points BC Schedule V. HoD mandatory.

COMS330-24S1 (C) **Semester 1**

COMS331 Researching and Reporting News
30 Points 0.2500 EFTS
This course provides an introduction to the foundational skills and knowledge required for communicating news and information to various publics. You'll learn how to develop writing and multimedia skills to produce engaging digital content. You'll also gain knowledge of your ethical responsibilities and learn to critically reflect on your own and others' media practice. The course combines analytical skills with practical experience, including fieldwork and work placement opportunities, to help consolidate the links between theory and practice and develop independence in professional work. Please note, the course's strongly practical focus requires active in-class engagement. It is not a distance course. Note: This course is restricted to students enrolled in the Bachelor of Communication (Journalism) or Graduate Diploma in Journalism.

P: Limited Entry. (i) COMS 231, COMS 232, COMS 233. (ii) Permission from the Head of Department.

COMS331-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

COMS332 News Production
30 Points 0.2500 EFTS
This course builds on the foundational skills and knowledge required for communicating news and information to various publics. You will learn how to develop your reporting and multimedia skills to produce engaging digital content. You will also gain knowledge of your ethical responsibilities and learn to critically reflect on your own and others' media practice. The course combines analytical skills with practical experience, including fieldwork and work placement opportunities, to help consolidate the links between theory and practice and develop independence in professional work. Please note, the course's strongly practical focus requires active in-class engagement. It is not a distance course. Note: This course is restricted to students enrolled in the Bachelor of Communication (Journalism) or Graduate Diploma in Journalism.

P: Limited Entry. (i) COMS 331 (ii) Permission from the Head of Department.

COMS332-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

COMS333 Podcasting Project
30 Points 0.2500 EFTS
COMS333 examines podcasts as a media form, and develops techniques of podcast making. You will explore the technologies that lead to podcasting, along with histories of audio storytelling. You will develop a collaborative podcast project. This is not a distance course. It teaches practical skills and requires students to create and share work with others, in order to learn from and support each other. In COMS333 you will advance core skills in audio production, textual analysis, media archaeology, collaborative work, networking, creativity, writing and presentation.

P: 15 points at 200-level in COMS. Students without this prerequisite but with at least a B average in 60 points of relevant courses, may enter the course with the approval of the Department Co-ordinator or the Undergraduate Co-ordinator for COMS.

COMS333-24S2 (C) **Semester 2**

PACE395 Internship
30 Points 0.2500 EFTS
What can you do with your major? With your degree? The purpose of the internship course is to explore both the ideological and practical assumptions guiding this question. The course is designed to be a critical, theoretical and "real-world" examination of the practices and ideologies inherent in both community and business organisations. You will apply the analytical skills acquired through your major, and through class seminars and readings, to a project designed by a local company or community group. Please check out the website for further information and specific project descriptions: www.arts.canterbury.ac.nz/internships

P: 150 points, special application and interview, and permission of the Internship Director.
R: ARTS395
EQ: ARTS395

PACE395-23SU2 (C) **Summer (Nov 23)**
PACE395-24A (C) **Starts Anytime**
PACE395-24S1 (C) **Semester 1**
PACE395-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations. A student will be selected for a specific project. Only students accepted for projects will be allowed into the course. Please go to http://www.arts.canterbury.ac.nz/internships for more information.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

COMS408 Communication Ethics
30 Points 0.2500 EFTS
This course provides students with some ethical tools to reflect on professional communication practice and their own goals and values. The course covers professional ethics frameworks, theories of dialogue and engagement with others, the use of postcolonial ethics to reflect on partnership between te ao Māori and te ao Pakeha and development of personal values. The course has a flipped classroom model, where students reflect on cases, before discussion in class.

P: Subject to approval of the Head of Department.
R: COMS422, PHIL469

COMS408-24S1 (C) **Semester 1**

COMS420 Public Diplomacy
30 Points 0.2500 EFTS
Public diplomacy relates to efforts by state and non-state actors to influence public opinion in other countries. With the growth of soft power and new media and information technologies, public diplomacy is of growing importance in international relations. This course reviews the emerging theoretical literature on public diplomacy and a number of case studies on how different states and multilateral organisations have used public diplomacy in recent years to improve their international image. This is not a distance course. This course includes group work and has a strongly practical focus -- cooperation with diplomats and international relations practitioners -- that requires active in-class engagement. This course teaches a number of the core skills that communicators working in the international context at home and abroad will need. It features diplomats and internationally-recognised leading experts of public diplomacy as our guest speakers.

P: Subject to approval of the Programme Coordinator.
R: DIPL430, POLS430

COMS420-24S2 (C) **Semester 2**

COMS421 Strategic Communication Theory and Application
30 Points 0.2500 EFTS
This introduces theories and research about different aspects in the practices of strategic communication, including the groups/organizations, targets of the messages, the media outlet for the messages. How the theories can be applied in real-life situations will be explored, including professional strategies in advertising and public relations. Ethical practices in the professional environment will be discussed. You will develop a proposal for extended research on communication strategies that can prepare for the Masters of Strategic Communication dissertation. This is not a distance course. This course teaches skills in analysis and research and requires students to develop and share research and analysis with others, in order to learn from and support each other.

P: Subject to approval of the Head of Department.

COMS421-24S1 (C) **Semester 1**

COMS425 Campaign Planning with Social Data Analysis
30 Points 0.2500 EFTS
This is a course about planning media campaigns, in particular, it focuses on the use of social data analysis in planning campaigns. The course will introduce what campaigns are, their purposes and effects, their importance in the society, and the strategies of developing a media advocacy plan. A significant portion of the course will be about the use of social data analysis, including big data and social network analysis, in informing and evaluating campaigns. Students will be given opportunities to manage social data and develop their campaign plans according to their interests based on the data. Such plans can be related to social policies, public health and safety, human rights, etc., and can be delivered through different communication channels including traditional mass media and social media. Controversies around the ethical uses of social data for campaign planning will be discussed, and students will need to identify ethical practices of using the data. This course requires active in-class engagement. It is not a distance course.

P: COMS421. Subject to approval of the Head of Department.

COMS425-24S2 (C) **Semester 2**

COMS480 Research Topic
30 Points 0.2500 EFTS
A research paper, that shall not normally exceed 10,000 words, on an aspect of Mass Communication which must be submitted in the year of enrolment unless an extension is approved by the Head of Department.

P: Subject to approval of the Programme Co-ordinator.

COMS480-24S1 (C) **Semester 1**
COMS480-24S2 (C) **Semester 2**

COMS650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation

P: Subject to approval of the Head of Department.

COMS650-24A (C) **Starts Anytime**
COMS650-24S1 (C) **Semester 1**
COMS650-24S2 (C) **Semester 2**

COMS690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.

COMS690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

COMS692 Dissertation in Professional Communication
60 Points 0.5000 EFTS
Students will complete a dissertation, normally 15,000 - 20,000 words in length, on a topic of their choice, under academic supervision.

P: Subject to approval of the Head of Department.

COMS692-24A (C) **Starts Anytime**
COMS692-24S1 (C) **Semester 1**

COMS790 Media and Communication PhD
120 Points 1.0000 EFTS
P: Subject to approval by the Head of Department.

COMS790-24A (C) **Starts Anytime**
COMS790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Mechatronics Engineering

Te Tari Pūhanga Pūrere | Department of Mechanical Engineering

ENMT211 Principles of Mechatronics
15 Points 0.1250 EFTS
Introduction to Mechatronics Engineering as a discipline. Fundamentals of sensors, actuators, instrumentation, and control systems and communications systems, and how they can be integrated to form a Mechatronics system.

P: Subject to the approval of the Dean of Engineering
R: ENMT201

ENMT211-24S1 (C) **Semester 1**

ENMT221 Mechatronics Design 1
15 Points 0.1250 EFTS
Introduction to Mechatronics Engineering Design. Fundamentals of the design and manufacturing processes and the tools used in these processes, including engineering drawings, CAD, rapid prototyping.

P: ENMT211
R: ENMT201

ENMT221-24S2 (C) **Semester 2**

ENMT301 Mechatronics System Design
30 Points 0.2500 EFTS
Developing skills in the mechatronic design process. Design and selection of components common to mechatronic systems using engineering science taught in other courses. Application of modern tools and processes to mechatronic design. Developing engineering communication skills in the context of design.

P: ENMT201, or ENMT211 and ENMT221

ENMT301-24W (C) **Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

ENMT401 Mechatronics Honours Research and Development Project
30 Points 0.2500 EFTS
Capstone research and development project. Students apply knowledge and skills to solve real-life engineering problems; develop professional problem-solving skills and independent research ability.
P: ENMT301, ENME303, ENME302, ENCE361, ENEL372
ENMT401-24W (C) **Whole Year (S1 and S2)**
ENMT401-24S2 (C) **Semester 2**

ENMT482 Robotics
15 Points 0.1250 EFTS
This course is structured as two parts: (1) articulated robot manipulators and (2) autonomous mobile robotics. Articulated manipulators form an important class of robots that are commonly used in industrial situations. The purpose of this part of the course is to introduce students to fundamental concepts of geometry, kinematics, dynamics, and control of robotic systems allowing students to model and analyse a robot manipulator. The autonomous mobile robotics part of the course is an introduction to the probablistic robotics techniques that underpin self-driving cars and other autonomous robots. This course is project-based and students will be given the opportunity to apply the material in both simulation and with real industrial and research robots through project work.
P: ENME403
ENMT482-24S2 (C) **Semester 2**

Medical Physics

Te Kura Matū | School of Physical and Chemical Sciences

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MDPH401 Anatomy and Physiology
15 Points 0.1250 EFTS
Human anatomy, physiology, pathophysiology, cell biology, cancer, physiological measurement, medical terminology.
P: ENME351
MDPH401-24S1 (C) **Semester 1**

MDPH402 Nuclear Medicine
15 Points 0.1250 EFTS
Radioactive decay and the choice of radionuclides, radiopharmaceuticals, imaging systems in nuclear medicine, diagnostic applications of nuclear medicine, radiation protection.
P: Subject to approval of the Head of Department.
MDPH402-24S2 (C) **Semester 2**

MDPH403 Radiation Physics
15 Points 0.1250 EFTS
Ionising radiation, interactions, energy deposition, nuclear models, radiation units, radiation generation, and isotope production.
P: Subject to approval of the Head of Department
R: PHYS403
EQ: PHYS403
MDPH403-24S1 (C) **Semester 1**

MDPH404 Radiation Biology
15 Points 0.1250 EFTS
Radiation measurement, radiation biology, carcinogenesis, ICRP system of radiation protection, radiation safety.
P: Subject to approval of the Head of Department
MDPH404-24S1 (C) **Semester 1**

MDPH405 Radiation Therapy
15 Points 0.1250 EFTS
Radiotherapy equipment, calibration, phantoms, radiotherapy dosimetry, beam data, beam modifiers, patient positioning, quality assurance.
P: Subject to approval of the Head of Department.
MDPH405-24S2 (C) **Semester 2**

MDPH406 Medical Imaging
15 Points 0.1250 EFTS
Radiographic practice and terminology, image perception, x-ray, fluoroscopy, CT, MRI, ultrasound, digital radiographic image measurement, patient dosimetry, occupational radiation dose factors, quality assurance.
P: Subject to approval of the Head of Department.
EQ: PHYS406
MDPH406-24S2 (C) **Semester 2**

MDPH407 Research Tools
15 Points 0.1250 EFTS
This course is preparation for research in the Medical Physics area and includes modules on writing, presentation and typesetting skills, programming, statistics, data analysis, optimization, medical treatment planning and Monte Carlo modelling of radiation transport.
P: Subject to approval of the Head of Department
R: PHYS407
MDPH407-24W (C) **Whole Year (S1 and S2)**
MDPH407-24S1 (C) **Semester 1**

MDPH408 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
MDPH408-24S1 (C) **Semester 1**

MDPH409 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
MDPH409-24S2 (C) **Semester 2**

MDPH410 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
MDPH410-24S2 (C) **Semester 2**

MDPH480 Medical Physics Research Project
30 Points 0.2500 EFTS
An independent research project in Medical Physics for 400-level students
P: Entry subject to approval of the Head of Department
MDPH480-24A (C) **Starts Anytime**

MDPH690 MSc Thesis for Medical Physics
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
MDPH690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

MPHC690 MSc Thesis for Medical Physics (Clinical)
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
MPHC690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

MDPH790 Medical Physics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
MDPH790-24A (C) **Starts Anytime**
MDPH790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

MPHC790 Medical Physics (Clinical) PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
MPHC790-24A (C) **Starts Anytime**
MPHC790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Microbiology

Te Kura Pūtaiao Koiora | School of Biological Sciences

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MBIO690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MBIO690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

MBIO790 Microbiology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MBIO790-24A (C) **Starts Anytime**
MBIO790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Moving Image

School of Creative and Digital Arts

MOVI211 Film 2A
45 Points 0.3750 EFTS
Students will be introduced to developing technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Film practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.
P: FINA103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.
MOVI211-24S1 (C) **Semester 1**

MOVI212 Film 2B
45 Points 0.3750 EFTS
Students will continue the development of technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Film practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.
P: MOVI211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.
MOVI212-24S2 (C) **Semester 2**

MOVI311 Film 3
90 Points 0.7500 EFTS
P: MOVI212
MOVI311-24W (C) **Whole Year (S1 and S2)**

MOVI411 Film 4
90 Points 0.7500 EFTS
P: MOVI311
MOVI411-24W (C) **Whole Year (S1 and S2)**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MOVI601 Film
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MOVI601-24A (C) **Starts Anytime**

Music

School of Creative and Digital Arts

MUSA100 Essentials in Music Techniques
15 Points 0.1250 EFTS
This course provides students with skills in musicianship, music theory & creative composition. Students will have a good understanding of chords and chord progressions, melodic patterns and notation systems, and will have acquired skills in sight singing and melodic dictation.
R: MUSI107
MUSA100-24S1 (C) **Semester 1**

MUSA101 Musicianship, Harmony and Analysis 1
15 Points 0.1250 EFTS
Continued development of students' skills in music analysis, harmony (including SATB part writing) and musicianship (sight singing, melodic and harmonic dictation, and keyboard harmonisation).
P: MUSA100
R: MUSI112, MUSI171
MUSA101-24S2 (C) **Semester 2**

MUSA112 Current Trends in Composition
15 Points 0.1250 EFTS
A survey of techniques and trends in post-tonal music, with an emphasis on present-day repertoire. The course aims to give a global perspective on the plurality of evolving cultures of contemporary art music that exist today. From this perspective the student can take their first steps, or further steps, towards identifying their own unique voice and finding their place in the world of contemporary music. Advanced concepts in musical materials, transformation, development, handling of form, and instrumental performance techniques, are also taught.
P: MUSA100
R: MUSA212
MUSA112-24S2 (A) **Semester 2**

MUSA114 Techniques of Song Writing
15 Points 0.1250 EFTS
MUSA114 teaches foundational techniques in popular song writing. Topics include creating memorable melodies, effective harmonisation and use of common chord progressions, creating and developing compelling lyric concepts, and managing sectional forms. Students hone their writing skills while preparing a portfolio of songs.
R: MUSA214
MUSA114-24S2 (A) **Semester 2**

MUSA126 Sound Technologies
15 Points 0.1250 EFTS
This course teaches practical skills in digital sound for musicians, filmmakers, game developers, aspiring "bedroom producers," and anyone interested in working with sound in the digital domain. Students learn how to match sounds with moving images, how to edit and manipulate sound and MIDI files in a Digital Audio Workstation (DAW), and fundamental concepts and terminology that enable them to communicate effectively with music technology experts. Instruction includes lectures and hands-on studio tutorial sessions.
R: MUSA125, DIGI126
EQ: DIGI126
MUSA126-24S1 (C) **Semester 1**

MUSA132 Musics of the World
15 Points 0.1250 EFTS
This course explores musical traditions from a range of geographical regions and introduces key concepts for the study of music in culture.
R: MUSA232 and MUSA332
MUSA132-24S1 (C) **Semester 1**

MUSA141 Performance 1A
15 Points 0.1250 EFTS
Students develop technical skills in an instrument or voice, music knowledge and understanding through performance on an instrument or with voice, and develop a knowledge of the repertoire for that specific instrument or voice. This course is only available to students in the Mus.B.
P: Subject to approval of the Head of School following an audition.
R: MUSI141
MUSA141-24S1 (A) **Semester 1**

MUSA142 Performance 1B
15 Points 0.1250 EFTS
This course builds on MUSA 141 to provide students with further technical skills, musical knowledge and understanding through performance on an instrument or with voice. Students will gain further knowledge of the repertoire for their particular instrument and undertake a concert performance at the end of the semester. This course is only available to students in the Mus.B.

P: MUSA141
R: MUSI141
MUSA142-24S1 (A) **Semester 1**
MUSA142-24S2 (A) **Semester 2**

MUSA143 Performance 1 (Secondary)
15 Points 0.1250 EFTS
This course enables students to develop technical skills in an instrument or voice, music knowledge and understanding through performance on an instrument or with voice, and develop knowledge of the repertoire for that specific instrument or voice. It is designed for students from a non-Performance major (or a non-music degree), or for Performance Major students who wish to study a relevant second instrument (or possibly voice).
P: Subject to approval of the Head of School following an audition.
R: MUSI140
MUSA143-24W (A) **Whole Year (S1 and S2)**

MUSA152 Acoustics and Recording Techniques
15 Points 0.1250 EFTS
This course helps the student to develop skills in DAW operation, microphone techniques, and fundamentals of acoustics and digital audio required for complex multitrack recording projects. Students are taught how to apply these skills in a range of production situations, including orchestral, instrumental, and vocal ensemble recording. The concept of critical listening is also introduced, along with practical guidelines for noise and hearing management.
R: MUSI180, DISC233
MUSA152-24S2 (C) **Semester 2**

MUSA193 Ensemble 1
15 Points 0.1250 EFTS
The course aims to develop students' performance and rehearsal skills in one or more music ensembles ranging from large - such as orchestra (CYO), Consortia, UC Gamelan Ensemble - to small ensembles such as 3-piece contemporary bands or chamber groups.
P: Applicants will either be accepted on the basis of their audition for Performance courses, or on the basis of a successful short audition with the Course co-ordinator or their delegate.
R: MUSA191, MUSA192, MUSI142, MUSI143, MUSI144, MUSI145, MUSI194, MUSI198.
MUSA193-24W (A) **Whole Year (S1 and S2)**

MUSA200 Musicianship, Harmony and Analysis 2
15 Points 0.1250 EFTS
This course further develops skills in musicianship and analysis, including counterpoint and chromatic harmony.
P: MUSA101
R: MUSI220
MUSA200-24S2 (C) **Semester 2**

MUSA211 Composition Studio
15 Points 0.1250 EFTS
MUSA211 presents a range of approaches to working with musical materials across musical genres. Students learn about aspects of computer assisted composition, principles of vocal writing, high level structuring processes, scoring for Taonga Puoro, and explore ways to incorporate these into their own creative practice. Students at 200 level gain mentoring experience of 100 level composers and song writers.
P: MUSA100 and one of MUSA110, MUSA112, MUSA114 or MUSA115
R: MUSA311
MUSA211-24S1 (A) **Semester 1**

MUSA212 Current Trends in Composition
15 Points 0.1250 EFTS
A survey of techniques and trends in post-tonal music, with an emphasis on present-day repertoire. The course aims to give a global perspective on the plurality of evolving cultures of contemporary art music that exist today. From this perspective the student can take their first steps, or further steps, towards identifying their own unique voice and finding their place in the world of contemporary music. Advanced concepts in musical materials, transformation, development, handling of form, and instrumental performance techniques, are also taught.
P: MUSA100; and one of MUSA110, MUSA114, MUSA115
R: MUSA112
MUSA212-24S2 (A) **Semester 2**

MUSA214 Techniques of Song Writing
15 Points 0.1250 EFTS
MUSA214 teaches foundational techniques in popular song writing. Topics include creating memorable melodies, effective harmonisation and the use of common chord progressions, creating and developing compelling lyric concepts, and managing sectional forms. Students hone their writing skills while preparing a portfolio of songs. Students will also gain experience mentoring song writers enrolled in MUSA114.
P: One of MUSA110, MUSA112, MUSA115, or MUSA213.
R: MUSA114, MUSA220
MUSA214-24S2 (A) **Semester 2**

MUSA224 Orchestration and Arranging
15 Points 0.1250 EFTS
Learn how to score and arrange for symphony orchestra, chamber orchestra, and large ensembles.
P: One of MUSA100, MUSA101, MUSA110, MUSA112, MUSA114, MUSA115.
R: MUSI224
MUSA224-24S1 (C) **Semester 1**

MUSA228 Audio Production
15 Points 0.1250 EFTS
In this course students will learn how to create their own music and audio content in a music production studio, and prepare it for delivery on streaming or other web-based platforms.
P: MUSA125 or MUSA152
R: MUSA128
MUSA228-24S1 (C) **Semester 1**

MUSA229 Introduction to Game Audio
15 Points 0.1250 EFTS
Learn foundation skills in sound design and music for games. The course will survey current industry practices, and students will gain knowledge of a variety of approaches to audio creation, editing and integration into video games. No prior experience in music, sound, or game design is required.
P: 45 points from any courses.
R: PROD229
MUSA229-24S2 (C) **Semester 2**

MUSA230 Creative Sound Studio
15 Points 0.1250 EFTS
MUSA230 teaches fundamental studio techniques in digital sound creation and manipulation that can be applied in a range of different creative settings: Electronic Music, Soundscape, sound design, remixing, and more. Along the way they become familiar with some of the most significant historic and contemporary artistic trends in the creation of digital music. The culmination of the course is the creation of a portfolio of digital sound-based works: electroacoustic compositions, live electronic performances, EDM remixes, field recordings... or a brand new digital sound genre.
P: MUSA125
R: MUSA330
MUSA230-24S1 (C) **Semester 1**

MUSA234 Contemporary Music
15 Points 0.1250 EFTS
Exploring musical developments in the 20th century and beyond that help us understand the present-day musical world, focusing on concepts such as modernism and postmodernism and the links between social/economic and musical change.
P: Any 45 points
R: MUSA334
MUSA234-24S2 (C) **Semester 2**

MUSA237 Early Music
15 Points 0.1250 EFTS
Case studies in music history focusing on the relationship between music and two of its key supporting institutions of the early/early modern era: church and state.
P: Any 45 points
R: MUSA337
MUSA237-24S1 (C) **Semester 1**

MUSA241 Performance Major 2A
15 Points 0.1250 EFTS
Performance work involving weekly individual lessons, performance classes and ensemble training in an approved instrument or in voice.
P: MUSA142 with a C grade or higher, or MUSA143 with an A grade or higher; and at least 15 points from MUSA100, MUSA101, MUSA110, MUSA112, MUSA114, MUSA115, MUSA125, or MUSA132.
R: MUSI 241
MUSA241-24S1 (A) **Semester 1**
MUSA241-24S2 (A) **Semester 2**

MUSA242 Performance 2B
15 Points 0.1250 EFTS
Performance work involving weekly individual lessons, performance classes and ensemble training in an approved instrument or in voice.
P: MUSA241
R: MUSI241
MUSA242-24S2 (A) **Semester 2**

MUSA243 Performance 2 (Secondary)
15 Points 0.1250 EFTS
This course aims to further develop technical skills in an instrument or voice, either for students from a non-Performance major (or a non-music degree), or for Performance Major students who wish to study a relevant second instrument (or possibly voice).

P: MUSA143
R: MUSI240
MUSA243-24W (A) **Whole Year (S1 and S2)**

MUSA250 Community Music
15 Points 0.1250 EFTS
This course provides an introduction to the field of community music both in bicultural Aotearoa New Zealand and internationally. Students learn to create and understand music activities that build community and foster social engagement.

P: Any 45 points.
MUSA250-24S1 (C) **Semester 1**

MUSA252 Kapa Haka - Introducing Māori Performing Arts
15 Points 0.1250 EFTS
Designed for Māori and non-Māori, performance competent and new learners, language and non-language students this course takes the class on a journey of exploration to a high level of performance studying the mythological and traditional origins and tikanga of performing arts, Mōteatea (traditional song), poi (ball dance), waiata ā-ringa (action song), haka and the art of warfare, mau rakau (weaponry - tī rakau, tītī tōrea, hāpai rākau, taiaha, patu), the role of male and female leaders, biographies of important composers, the renaissance of performing arts and competition. Students learn a full performance bracket and a selection of ancient, historical and sacred classic tribal anthems including: E pā tō hau; Kikiki, Tika tonu, Taku rakau, Ruaumoko, E rere te ao, Ka eke ki Wairaka

P: Any 15 points at 100 level from MAOR, MUSA, or TREO, or any 60 points at 100 level from the Schedule V of the MusB or the Schedule V of the BA.
R: MAOR 282,TREO 282, MAOR 382, TREO 382
EQ: MAOR 282, TREO 282
MUSA252-24S2 (C) **Semester 2**

MUSA293 Ensemble 2
15 Points 0.1250 EFTS
The course aims to further develop students' performance and rehearsal skills in one or more music ensembles ranging from large - such as orchestra (CYO), Consortia, or UC Gamelan Ensemble - to small ensembles such as 3-piece contemporary bands or chamber groups.

P: MUSA191, MUSA192, or MUSA193.
R: MUSA291, MUSA292, MUSI294.
MUSA293-24W (A) **Whole Year (S1 and S2)**

MUSA300 Musicianship, Harmony, and Analysis 3
15 Points 0.1250 EFTS
This course provides students with advanced skills in musicianship (sight-singing, ear training and score reading), harmony (including jazz harmony and chromatic common-practice harmony), and analysis of music from a diverse range of genres.

P: MUSA200
R: MUSA201
MUSA300-24S1 (C) **Semester 1**

MUSA311 Composition Studio
30 Points 0.2500 EFTS
MUSA311 presents a range of approaches to working with musical materials across musical genres. Students learn about aspects of computer assisted composition, principles of vocal writing, high level structuring processes, scoring for Taonga Puoro, and explore ways to incorporate these into their own creative practice. Students at 300 level students gain experience in tiered mentoring.

P: One of MUSA210, MUSA212, MUSA213, MUSA214, MUSA215
R: MUSA211
MUSA311-24S1 (A) **Semester 1**

MUSA330 Creative Sound Studio
30 Points 0.2500 EFTS
MUSA330 teaches fundamental studio techniques in digital sound creation and manipulation that can be applied in a range of different creative settings: Electronic Music, Soundscape, sound design, remixing, and more. Along the way they become familiar with some of the most significant historic and contemporary artistic trends in the creation of digital music. The culmination of the course is the creation of a portfolio of digital sound-based works: electroacoustic compositions, live electronic performances, EDM remixes, field recordings... or a brand new digital sound genre.

P: MUSA228 or MUSA229
MUSA330-24S1 (C) **Semester 1**

MUSA334 Contemporary Music
15 Points 0.1250 EFTS
Exploring musical developments in the 20th century and beyond that help us understand the present-day musical world, focusing on concepts such as modernism and postmodernism and the links between social/economic and musical change.

P: Any 45 points at 200 level or above.
R: MUSA234
MUSA334-24S2 (C) **Semester 2**

MUSA337 Early Music
15 Points 0.1250 EFTS
Case studies in music history focusing on the relationship between music and two of its key supporting institutions of the early/early modern era: church and state.

P: Any 45 points at 200 level or above
R: MUSA237
MUSA337-24S1 (C) **Semester 1**

MUSA341 Performance 3A
30 Points 0.2500 EFTS
Performance work involving weekly individual lessons, performance classes and ensemble training in an approved instrument (or in voice) and the presentation of a public recital.

P: MUSA242 with a C grade or higher, and at least 30 pts from MUSA100, MUSA101, MUSA110, MUSA112, MUSA114, MUSA115, MUSA125, MUSA132, MUSA200, MUSA210, MUSA211, MUSA212, MUSA213, MUSA214, MUSA215, MUSA231, MUSA233, MUSA234, MUSA236, or MUSA250.
R: MUSI341
MUSA341-24S1 (A) **Semester 1**

MUSA393 Ensemble 3
15 Points 0.1250 EFTS
The course aims to provide significant performance and rehearsal experiences in one or more music ensemble(s) ranging from large - such as orchestra (CYO), Consortia, or UC Gamelan Ensemble - to small ensembles such as 3-piece contemporary bands or chamber groups.

P: MUSA291, MUSA292, or MUSA293.
R: MUSA391, MUSA392, MUSI391, MUSI398.
MUSA393-24W (A) **Whole Year (S1 and S2)**

MUSA398 Capstone Project
30 Points 0.2500 EFTS
Students will produce a substantial body of creative or scholarly work in a topic related to their major. An appropriate staff supervisor will be assigned, usually from within the student's major, or having expertise in the proposed area of study. Student work might include performances, compositions, reviews, public forms of writing and presentation, or any combination thereof. Regular student forums will take place during the semester, and students will present their work in progress to peers in at least one of these.

P: 30 points of MUSA at 200-level and Permission of Academic Director of Music.
MUSA398-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MUSA650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation

P: Subject to approval of the Head of Department.
MUSA650-24A (C) **Starts Anytime**
MUSA650-24S1 (C) **Semester 1**
MUSA650-24S2 (C) **Semester 2**

MUSI470 Creative Practice
60 Points 0.5000 EFTS
Students prepare a portfolio of representative creative work. The course is geared towards musicians whose creative practice spans more than one discipline, for example composer-performers, singer-songwriters, songwriter-producers. Students wishing to explore music making in combination with other art forms, for example film or visual art, can also take the course as long as an appropriate supervisory team can be found.

P: MUSA398 Capstone Project and permission of the Head of School
MUSI470-24W (C) **Whole Year (S1 and S2)**

MUSI471 Composition 4
60 Points 0.5000 EFTS
Compiling a portfolio of compositions (notated scores, together with some recordings)

P: MUSA 322 with a grade of B or higher, and approval of Head of School
R: MUSI409, MUSI420
MUSI471-24W (C) **Whole Year (S1 and S2)**

MUSI473 Performance 4
60 Points 0.5000 EFTS
Advanced study in, and mastery of, the performance of an instrument or voice.
P: MUSA342 or MUSI341 with a grade of B+ or higher, and approval of Head of School
R: MUSI441
MUSI473-24W (A) **Whole Year (S1 and S2)**

MUSI481 Research Project
30 Points 0.2500 EFTS
A supervised research project leading to a written paper.
P: Subject to approval of the Head of School.
MUSI481-24W (C) **Whole Year (S1 and S2)**

MUSI690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MUSI690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

MUSI692 MMus Performance
120 Points 1.0000 EFTS
Advanced performance together with supporting documentation.
P: MUSI473 or equivalent, and approval of Head of Music
MUSI692-24A (C) **Starts Anytime**

MUSI693 MMus Composition
120 Points 1.0000 EFTS
Production of a significant portfolio of compositions (notated and/or digital and/or performed live) together with supporting documentation
P: MUSI471, or subject to approval of Head of School
MUSI693-24A (C) **Starts Anytime**

MUSI795 Music DMA
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
MUSI795-24A (C) **Starts Anytime**
MUSI795-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

MUSI790 Music PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Coordinator.
MUSI790-24A (C) **Starts Anytime**
MUSI790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Natural Resources Engineering

Te Tari Pūhanga Metarahi, Rawa Taiao | Department of Civil and Natural Resources Engineering

ENCN201 Communication Skills Portfolio 1
0 Points 0.0000 EFTS
Introduction to communication skills required by practicing professional engineers.
P: Entry to first professional year of CNRE.
ENCN201-24W (C) **Whole Year (S1 and S2)**

ENCN213 Structural Design Studio
15 Points 0.1250 EFTS
Loads and load paths in buildings and bridges. Design calculations for timber and steel structures. Engineering drawing. Construction and testing of simple structures.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI211
ENCN213-24S2 (C) **Semester 2**

ENCN221 Engineering Materials
15 Points 0.1250 EFTS
Introduction to engineering materials. Materials science. Metals, granular materials, asphalt, concrete, masonry, timber, plastics/ceramics. Sustainability issues and material selection.
P: Subject to approval of the Dean of Engineering and Forestry
ENCN221-24S1 (C) **Semester 1**

ENCN231 Solid Mechanics
15 Points 0.1250 EFTS
Introduction to solid and structural mechanics: analysis of statically determinate structures; stress and strain; behaviour of beams and columns; analysis of deformations; torsion.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI230, ENCI234
ENCN231-24S1 (C) **Semester 1**

ENCN242 Fluid Mechanics and Hydrology
15 Points 0.1250 EFTS
Fluid Properties. Hydrostatics. Mass, energy and momentum fluxes. Applications to hydraulic systems. Hydrological processes. Design storms and flows.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI241
ENCN242-24S2 (C) **Semester 2**

ENCN253 Soil Mechanics
15 Points 0.1250 EFTS
Properties and behaviour of rocks. Formation, properties and classification of soils. Strength and stiffness of soils. Applications to slopes, retaining walls, and site characterisation.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENCI252, ENCI271
ENCN253-24S2 (C) **Semester 2**

ENCN281 Environmental Engineering
15 Points 0.1250 EFTS
Water quality parameters; mass balances; kinetics; surface water quality modelling; ecological systems; treatment of water, wastewater, solid and hazardous wastes; water quality field activities.
P: Subject to approval of the Dean of Engineering and Forestry
R: ENNR203, ENCI383
ENCN281-24S1 (C) **Semester 1**

ENCN301 Communication Skills Portfolio 2
0 Points 0.0000 EFTS
Development of communication skills required by practicing professional engineers. Sketches, oral presentation, and various types of written reports.
P: ENCN201
ENCN301-24W (C) **Whole Year (S1 and S2)**

ENCN304 Deterministic Mathematical Methods
15 Points 0.1250 EFTS
Analytical and numerical methods for engineering problems. Vector calculus. Systems of linear equations. Systems of ordinary differential equations. Partial differential equations.
P: EMTH210
R: ENCI302
ENCN304-24S1 (C) **Semester 1**

ENCN342 Hydraulics and Applied Hydrology
15 Points 0.1250 EFTS
Open channel flow; pipe networks; scale and dimensional analysis; surface and ground water.
P: ENCN242
R: ENCI341
ENCN342-24S2 (C) **Semester 2**

ENCN353 Geotechnical Engineering
15 Points 0.1250 EFTS
Mohr's circle; time-dependent soil behaviour; settlement; capacity and failure of foundations; field investigations; slope stability; earth pressure theories and retaining structures.
P: ENCN253
R: ENCI351
ENCN353-24S1 (C) **Semester 1**

ENCN371 Project and Infrastructure Management
15 Points 0.1250 EFTS
Project and infrastructure asset management, procurement methods, estimating, finance and accounting, economic appraisal, uncertainty and decision-making.
R: ENCI363, ENCI403
ENCN371-24S2 (C) **Semester 2**

ENNR320 Environmental Impact Modelling and Assessment
15 Points 0.1250 EFTS
Integrated analysis of water, land, and ecology for understanding environmental impacts of engineering projects. GIS, spatial analysis, soils, vegetation, food/fibre production, ecological engineering principles, environmental impact metrics and assessments, catchment-level policy, systems analysis.
P: ENCN242
R: ENNR306
ENNR320-24S1 (C) **Semester 1**

ENCN401 Engineering in Developing Communities
15 Points 0.1250 EFTS
Water supply and sanitation (solid and liquid waste management) issues in developing communities, agricultural issues and impacts of land-use changes, humanitarian aid during natural disaster relief, engineering in a cultural and sustainable context using appropriate technology.
P: EMTH210, ENCI199, ENCN201, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN205
R: ENNR451
ENCN401-24S1 (C) **Semester 1**

ENCN412 Traffic Engineering
15 Points 0.1250 EFTS
Transport planning. Traffic flow theory. Roadway and intersection design. Road safety. Traffic surveys. Transport project evaluation. Environmental impacts. Traffic management.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN304, ENCN361
R: ENCI412
ENCN412-24S1 (C) **Semester 1**

ENCN415 Pavement Engineering
15 Points 0.1250 EFTS
Effect of traffic and environment on pavement. Analysis of stress from axle loads. Characterisation of pavement materials. Empirical and mechanistic-empirical design methods.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281
R: ENCI415
ENCN415-24S1 (C) **Semester 1**

ENCN423 Sustainable Energy Technologies
15 Points 0.1250 EFTS
Introduction into energy technologies, resources and design. Solar, wind, hydro, biomass and geothermal resources. Demand-side management and storage. Low-energy buildings. Global and local perspectives.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281
R: ENME405
EQ: ENNR423
ENCN423-24S1 (C) **Semester 1**

ENCN441 Fluid Mechanics of Environmental Systems
15 Points 0.1250 EFTS
Navier-Stokes equations. Scale and dimensional analysis. Description and modelling of turbulence. Dispersion in rivers. Dynamics of jets and plumes and applications to building ventilation.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN342
R: ENCN445
ENCN441-24S1 (C) **Semester 1**

ENCN442 Integrated Surface Water and Groundwater Engineering
15 Points 0.1250 EFTS
Dynamics and management of surface water and groundwater systems including modelling of water demand, surface processes, recharge, abstraction and integration of water infrastructure.
P: EMTH210, ENCI199, ENCN201, ENCN205 ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN342
ENCN442-24S1 (C) **Semester 1**

ENCN446 Fluid Mechanics of Built Systems
15 Points 0.1250 EFTS
Pipeline unsteady flow; pipe networks; ocean waves; coastal engineering; time and frequency domain modelling.
P: EMTH 210, ENCI 199, ENCN 201, ENCN 205, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 281, ENCN342
R: ENCN444, ENCN445
ENCN446-24S1 (C) **Semester 1**

ENCN452 Advanced Geotechnical Engineering
15 Points 0.1250 EFTS
Stress-strain behaviour of soils. Critical-state soil mechanics. Approximations and limitations for geotechnical analyses. Piles under axial and lateral loading. Shallow foundations.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN353
R: ENCI452
ENCN452-24S1 (C) **Semester 1**

ENCN454 Introduction to Geotechnical Earthquake Engineering
15 Points 0.1250 EFTS
Seismic behaviour of retaining walls, shallow and deep foundations, embankments, and slopes. Liquefaction. Case studies, design applications, and advanced methods of analysis.
P: EMTH210, ENCI199, ENCN201, ENCN205, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN281, ENCN353
R: ENCI620
ENCN454-24S1 (C) **Semester 1**

ENCN493 Project
30 Points 0.2500 EFTS
Engineering Research Project
P: EMTH210, ENCI199, ENCN201, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN261, ENCN281, ENCN301
R: ENCI493, ENCI494, ENCN494
ENCN493-24X1 (C)
ENCN493-24X2 (C)

ENGR403 Fire Engineering
15 Points 0.1250 EFTS
Introduction to Fire Engineering. Fire ignition, flame spread and flame height. The performance of construction materials and fire resistance. People movement and behaviour during fires. Fire detection, suppression and smoke extract systems. Wildland fires, fire investigation, fire-fighting.
P: Subject to approval of the Director of Studies
ENGR403-24SU1 (C) **Summer (Jan 24)**
ENGR403-24S1 (C) **Semester 1**

ENNR413 Integrated Natural Resources Engineering Design
30 Points 0.2500 EFTS
Integrated design of complex Natural Resources engineering projects; professional and teamwork analysis; economic, environmental, and bicultural issues; life-long learning.
P: EMTH210, ENCI199, ENCN201, ENCN213, ENCN221, ENCN231, ENCN242, ENCN253, ENCN261, ENCN281, ENCN 301, ENCN 371, ENCN 375
R: ENCI313, ENNR313
EQ: ENCI413
ENNR413-24S2 (C) **Semester 2**

Pacific Studies

Macmillan Brown Centre for Pacific Studies

PACS102 Te Ara o Tawhaki: Māori Thought, Beliefs and Practices
15 Points 0.1250 EFTS
This course provides an introduction to Māori knowledges and metaphysics through a study of topics such as voyaging, art and aesthetics, warfare, conflict and peace. We also look at how approaches to Māori knowledges and their impacts are critiqued.
R: MAOR107
EQ: MAOR107
PACS102-24S1 (C) **Semester 1**

PACS111 The Global Pacific
15 Points 0.1250 EFTS
This course provides a rich foundation of the history, diversity, and contemporary issues of the Pacific, including the diaspora of Pacific communities. Students will learn about Indigenous Pacific epistemologies, world views, cultures, knowledges, identities, and experiences. Students will also explore key Pacific structures, systems, cultures, and societies in the changing modern world. Pacific agency, the transnationalism of Pacific identity, and critical contemporary issues of

sustainability and innovation will provide essential knowledge for students who want to explore further into areas of inclusion, diversity, empowerment, and positive transformation.

PACS111-24S1 (C) **Semester 1**
PACS111-24S1 (D) **Semester 1**

PACS211 The Contemporary and Transnational Pacific
15 Points 0.1250 EFTS

This course examines the contemporary interface of global forces that reconfigure the organisation of power within the Pacific. An exploration of transnational processes, paradigms and conceptualisations of the local, national, regional and global impacts will be explored with a critical lens of inclusion, diversity and empowerment. Students will analyse theoretical and conceptual underpinnings of global politics, education, health, wellbeing, employment, identity and power. Key research about Pacific community engagement and the economic relations between the islands, Aotearoa and the Pacific region will be supported by the perspectives of local and national Pacific community leaders. Contemporary issues related to colonialism, migration, racism, postcolonial contexts, aid in the Pacific, security and the role of the social media will also be critically analysed.

P: Any 45 points at 100-level

PACS211-24S1 (C) **Semester 1**
PACS211-24S1 (D) **Semester 1**

PACS221 Pacific Sustainability and Climate Resilience
15 Points 0.1250 EFTS

This course examines ways in which community-based and Indigenous innovation have been used to build up strategies of adaptation and resilience in oceanic communities, focusing on the Pacific. Deconstructing the deficit narratives characterising the Pacific Islands as inherently susceptible and reconceptualising the concepts of resilience and sustainability for socio-ecological justice is a key component of this course. Through thousands of years of navigation around the largest ocean on the planet and adapting to extreme weather systems such as cyclones and other climate change induced calamities, Pacific peoples have developed a high level of human innovation and resilience, which have formed their cultural strategies for survival. Community and Indigenous knowledge relating to buildings, adaptive social organization, food security, farming, environmental restoration, coastal management will be explored. The critical issues of sustainability, resilience and adaptation to climate change and other natural and human created challenges in the Pacific. The Pacific Islands are at the forefront of extreme weather patterns and the course examines the ways in which Indigenous knowledge, humanities, science and technology can work together to respond to the expanding and deepening environmental and human impacts.

P: Any 45 points at 100-level

PACS221-24S2 (C) **Semester 2**
PACS221-24S2 (D) **Semester 2**

PACS303 International Politics: Aotearoa New Zealand Foreign Policy
30 Points 0.2500 EFTS

This course will critically examine Aotearoa New Zealand's past and present foreign policy while exploring future foreign policy directions.

P: Any 30 points at 200 level from PACS or POLS, or any 60 points at 200 level from the Schedule V of the BA.
R: POLS308
EQ: POLS308

PACS303-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

PACS424 Independent Course of Study: Nexus between the COVD-19 Pandemic and Human Security amongst the Pacific Population
30 Points 0.2500 EFTS

P: Subject to the approval of the Head of Department.

PACS424-24A (C) **Starts Anytime**

PACS690 MA Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

PACS690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

PACS790 Pacific Studies PhD
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

PACS790-24A (C) **Starts Anytime**
PACS790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Painting

School of Creative and Digital Arts

PAIN211 Painting 2A
45 Points 0.3750 EFTS

Students will be introduced to developing technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Painting practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.

P: FINA103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

PAIN211-24S1 (C) **Semester 1**

PAIN212 Painting 2B
45 Points 0.3750 EFTS

Students will continue the development of technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Painting practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.

P: PAIN211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

PAIN212-24S2 (C) **Semester 2**

PAIN311 Painting 3
90 Points 0.7500 EFTS

P: PAIN212

PAIN311-24W (C) **Whole Year (S1 and S2)**

PAIN411 Painting 4
90 Points 0.7500 EFTS

P: PAIN311

PAIN411-24W (C) **Whole Year (S1 and S2)**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

PAIN601 Painting MFA
120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

PAIN601-24A (C) **Starts Anytime**

Philosophy

School of Humanities

PHIL110 Science: Good, Bad, and Bogus
15 Points 0.1250 EFTS

This course is a critical thinker's toolkit. It will teach you 20 principles you can use to tell science from pseudo-science, truth from falsehood, logic from rhetoric, sound reasoning from wishful thinking, effective medicine from quackery, and good evidence from lies, fraud and fakery. The critical thinking skills you learn in this course will be vital if you go on to do more philosophy. They are also readily applicable to other disciplines, and should help you steer clear of scam-artists, charlatans, confidence-tricksters and get-rich-quick-schemes in the world outside of academia. Topics covered include the fallibility of the senses, the fallibility of memory, the placebo effect, the tricks of the cold reader's trade, confirmation bias, the Barnum effect, relativism, mind viruses, the basics of logic, formal and informal fallacies, and the scientific evaluation of competing hypotheses.

R: HAPS110

PHIL110-24S1 (C) **Semester 1**
PHIL110-24S1 (D) **Semester 1**

PHIL133 Philosophy and Human Nature
15 Points 0.1250 EFTS

The human record is full of contradictions. We are capable all at once of selfless love and murderous depravity; of sublime rational insight and base stupidity; of soul-baring honesty and habitual duplicity; of principled rebellion and obsequious deference to authority; of generosity and jealousy. What, then, is our true nature? Are we rational creatures or are we enslaved by our passions? Are we moral creatures or are we fundamentally selfish? Can we improve the human situation either individually or collectively? Does it all depend on our evolutionary history? This course is an introduction to Western philosophy through the ideas of Plato, Aristotle, Hobbes, Hume, Kant, Marx, Nietzsche, Darwin, and other influential thinkers as they puzzle over the riddles of human nature.

PHIL133-24S2 (C) **Semester 2**

PHIL136 Ethics Today
15 Points 0.1250 EFTS

PHIL136-23SU2 (C) **Summer (Nov 23)**
PHIL136-23SU2 (D) **Summer (Nov 23)**

PHIL137 Big Data, Artificial Intelligence and Ethics
15 Points 0.1250 EFTS

Computing technology has already revolutionized our lives and shows no signs of stopping. Algorithms are everywhere. AI powered by our data are increasingly determining our lives. The implementation of this technology has leapt ahead of our understanding of its ethical, societal, legal, and political significance. From self-driving cars to autonomous weapons, data-brokers to the metaverse, no aspects of our lives will be the same again. In this class, we shall learn about, and bring together in conversation, cutting edge work from both within and outside academic philosophy concerning the challenges posed by the ever-increasing use of computing technology and A.I. Questions raised in the course include: do tech companies violate our right to privacy when they harvest our data? Can automated algorithmic decision-making deliver us a future free of human bias? How could you tell whether a computer has a mind? And is the human brain in fact a computer?

R: POLS137, DIGI102
EQ: POLS137, DIGI102

PHIL137-24S2 (C) **Semester 2**
PHIL137-24S2 (D) **Semester 2**

PHIL138 Logic and Critical Thinking
15 Points 0.1250 EFTS

Thinking rationally involves many skills. This course will help students acquire and develop those skills.

R: PHIL132 (prior to 2006), MATH130, PHIL134/MATH134

PHIL138-24SU1 (D) **Summer (Jan 24)**
PHIL138-24SU1 (C) **Summer (Jan 24)**

PHIL139 Ethics, Politics and Justice
15 Points 0.1250 EFTS

How we should live our lives is the most important question of all. What makes our actions right or wrong? Is it our culture, our emotions, facts about the world, or God's commands? Are pleasure and happiness all that really matters? What should we do when justice and freedom conflict with happiness or with each other? Should we always obey the law? Is taxation legalised theft? This course introduces students to moral and political philosophy by examining ideas and arguments about how we should live our personal, social and political lives.

PHIL139-24S2 (D) **Semester 2**
PHIL139-24S2 (C) **Semester 2**

PHIL203 Dinosaurs, Quarks and Quasars: The Philosophy of Science
15 Points 0.1250 EFTS

Science studies the world, but what discipline studies science itself -- what it is, how it works, and why it works so well? Answer: the philosophy of science. Questions tackled in this course include: how do scientists develop theories, test them, and adjudicate between rival explanations of natural phenomena? Does the careful application of the scientific method lead to truth and certainty? Do unobservable entities, like quarks, really exist, or are they merely useful fictions? And should scientists try to show their theories are false instead of trying to show they are true? The course will be of interest to anyone fascinated by science, its history, its aims, and its methods, and will be value to scientists-in-training in providing a broad perspective on the extraordinary philosophical puzzles and perplexities hovering over all scientific inquiry.

P: Any 15 points at 100 level in PHIL, or any 60 points at 100 level from the Schedule V of the BA or the BSc.
R: PHIL223, PHIL303

PHIL203-24S1 (C) **Semester 1**
PHIL203-24S1 (D) **Semester 1**

PHIL208 The Brain Gym: An Introduction to Logic
15 Points 0.1250 EFTS

An introduction to logical reasoning, critical analysis, and the art of proof.

P: Any 15 points at 100 level in PHIL, COSC, LING, MATH, or from the BE(Hons), or any 60 points at 100 level from any subject.
R: PHIL225, PHIL246, PHIL346, PHIL308, MATH208, MATH308

PHIL208-24S1 (C) **Semester 1**
PHIL208-24S1 (D) **Semester 1**

PHIL229 Philosophy of Religion: Rationality, Science, and the God Hypothesis
15 Points 0.1250 EFTS

Why does the universe exist, rather than nothing at all? Does life imply a designer? Can we show by pure logic that a supreme being exists? Is a person a non-physical soul or only a neural net encased in a skull? Can I survive my death or is belief in an afterlife a trick of evolution? Isn't all the suffering in the world evidence against the hypothesis of a benevolent God? Can human beings tell what is morally right and wrong, or do we need a 'God's-eye-view'? Is science compatible with religion? Is there one and only one true religion? What is 'faith' and what is 'reason' - and who decides? This course presupposes no prior knowledge of the philosophy of religion; it is aimed at students from a wide range of backgrounds, as well as philosophy majors.

P: Any 15 points at 100 level in PHIL, or any 60 points at 100 level from the Schedule V of the BA or the BSc.
R: RELS210, PHIL318

PHIL229-24S1 (C) **Semester 1**
PHIL229-24S1 (D) **Semester 1**

PHIL233 Epistemology and Metaphysics
15 Points 0.1250 EFTS

This course is an introduction to selected topics in the theory of knowledge and of reality. For example: What is a physical object? Are you the same physical object now that you were 10 years ago? What makes the black squiggles you're now reading mean something? Are meanings ideas? Do deep metaphysical statements, such as 'I am the only conscious being in the universe' or 'Everything is fated', really say anything? Do males and females have different ways of knowing? What is time? Do humans have free will? Is cause-and-effect real, or just a way of looking at things? This course presupposes no prior knowledge of philosophy; it is aimed at students from a wide range of backgrounds, as well as philosophy majors.

P: Any 15 points at 100 level in PHIL, or any 60 points at 100 level from the Schedule V of the BA or the BSc.

PHIL233-24S2 (D) **Semester 2**
PHIL233-24S2 (C) **Semester 2**

PHIL236 Ethics
15 Points 0.1250 EFTS

In this course, we look at concepts and theories in normative ethics and metaethics. Normative ethics deals with the foundations of moral theory. What determines whether an action is right or wrong, good or bad? What principles should we live by? Utilitarianism, deontology and virtue ethics provide three influential answers. Part I of the course studies these theories in detail, considering the ideas of Mill, Kant and Aristotle along the way. Metaethics deals with second-order questions about ethical thought and talk. Are there moral facts and moral truths? Could moral judgements be objectively true? What is the relation between moral facts and scientific or natural facts? How, if at all, can we acquire moral knowledge? What role do the emotions play in moral judgement? Part II of the course focuses on these and similar questions.

P: Any 15 points at 100 level from PHIL, or any 60 points at 100 level from the Schedule V of the BA.
R: PHIL321

PHIL236-24S2 (C) **Semester 2**

PHIL240 Bioethics: Life, Death, and Medicine
15 Points 0.1250 EFTS

Bioethics is the study of ethical problems in healthcare, research, technology and the environment. Bioethical problems arise every day, affecting societies, people and non-human animals. This course covers a wide range of issues, including: research on human and non-human animals; reproductive technologies, such as surrogacy and genetic testing; the use of data to monitor and control human actions; conflicts between privacy and autonomy and the public good, and decisions about protecting, killing and letting die, including healthcare, abortion, and euthanasia. The course includes an introduction to ethical values and principles, ways of dealing with moral disagreements, and reflection on what it means for something to be worth moral consideration.

P: Any 15 points at 100 level in PHIL, HSRV, HLTH, LAWS, or POLS, or any 60 points at 100 level from the Schedule V of the BA or the BSc.
R: PHIL324, POLS225

PHIL240-24S2 (C) **Semester 2**
PHIL240-24S2 (D) **Semester 2**

PHIL249 Environmental Ethics
15 Points 0.1250 EFTS

Humanity faces threatening environmental problems, not least climate change. Can science, technology and free markets provide the solutions - or must we reconsider our values and priorities? Is nature inherently valuable? What should be protected for future generations? Do we have moral duties to non-human animals, including endangered species? PHIL249 examines recent philosophical responses to these and other questions in environmental ethics. This course is for students in Arts, Science, Engineering, Business and Law; no background in philosophy is required.

P: Any 15 points at 100 level in PHIL, or any 60 points at 100 level from the Schedule V of the BA or the BSc.
RP: 15 points of 100 level Philosophy, or 30 points or more of humanities, social science, science, engineering, economics, or commerce studies and an interest in reflective critical debate.

PHIL249-24SU1 (D) **Summer (Jan 24)**
PHIL249-24SU1 (C) **Summer (Jan 24)**

PHIL250 Turing: From the Computer Revolution to the Philosophy of AI
15 Points 0.1250 EFTS

This course tells you (nearly) everything you ever wanted to know about Alan Turing, the birth of the computer, and the Philosophy of Artificial Intelligence. It is a problem-based course, equally suitable for Arts, Science, Engineering, and Law students.

P: Any 15 points at 100 level in PHIL, COSC, LING, MATH, or PSYC, or any 60 points at 100 level from the Schedule V of the BA or the BSc.
R: COSC260
EQ: COSC260

PHIL250-24S2 (C) **Semester 2**
PHIL250-24S2 (D) **Semester 2**

PHIL252 Philosophical Issues in Cognitive Science and AI

15 Points 0.1250 EFTS

This course is an introduction to two vibrant and interrelated subfields of philosophy: the philosophy of cognitive science and the philosophy of artificial intelligence. Cognitive science is the interdisciplinary study of the mind. Its constituent disciplines include psychology, neuroscience, computer science, AI, and philosophy. The philosophy of cognitive science concerns philosophical issues that arise out of the scientific study of the mind. Artificial intelligence is the simulation of certain processes, typically associated with human minds, by machines - especially computer systems. It is an important branch of cognitive science. The philosophy of artificial intelligence concerns itself with those philosophical issues that arise out of reflection upon the possibility of artificial intelligence. Key questions raised in the course include: What is the nature of mind? Are mental processes computational processes? Could a machine have a mind? If a machine were intelligent and conscious, would it have moral significance?

P: Any 15 points at 100 level in PHIL, or any 60 points at 100 level from the Schedule V of the BA or the BSc.
R: PHIL238 (before 2016)
EQ: PHIL238 (before 2016)

PHIL252-24S2 (D) **Semester 2**
PHIL252-24S2 (C) **Semester 2**

PHIL303 Quarks, Quasars and Dinosaurs: The Philosophy of Science

15 Points 0.1250 EFTS

This course examines a number of ground breaking discoveries, breakthroughs and conceptual revolutions in the history of science, with an eye to the lessons they hold about what Science is and how it works. Fundamental questions the course considers are: How do scientists develop theories, test them, and adjudicate between rival explanations of natural phenomena? What is the scientific method? Why does this method yield such uncannily accurate predictions about future events? By what criteria can genuine sciences, like Physics, Chemistry and Biology, be distinguished from pseudosciences like Astrology and Homeopathy? Is Science progressing slowly but steadily towards a grand, unified Theory of Everything, or is the idea of scientific progress just a myth? Do the unobservable entities that scientists postulate - quarks, gluons, and their ilk - really exist, or are they merely predictively useful fictions? Should scientists try to verify their theories, or falsify them? What is scientific objectivity, and is it attainable? The course will be of interest to anyone fascinated by Science, its history, its aims, and its methods. It is intended to be especially valuable to scientists-in-training, in providing a broad perspective of the philosophical issues that hover over all scientific inquiry.

P: Any 30 points at 200 level in PHIL, or any 60 points at 200 level from the Schedule V of the BA or BSc.
R: PHIL203

PHIL303-24S1 (C) **Semester 1**
PHIL303-24S1 (D) **Semester 1**

PHIL305 Paradoxes

30 Points 0.2500 EFTS

This course surveys a wide range of paradoxes and bizarre brain-twisters drawn from all corners of philosophy.

P: Any 30 points at 200 level in PHIL, COSC, or MATH, or any 60 points at 200 level from the Schedule V of the BA or BSc.
R: PHIL494, PHIL444

PHIL305-24S1 (C) **Semester 1**
PHIL305-24S1 (D) **Semester 1**

PHIL308 The Brain Gym: An Introduction to Logic

15 Points 0.1250 EFTS

An introduction to logical reasoning, critical analysis, and the art of proof.

P: Any 30 points at 200 level in PHIL, COSC, LING, MATH or from the BE(Hons), or any 60 points at 200 level from the Schedule V of the BA or BSc.
R: PHIL225, PHIL246, PHIL346, PHIL208, MATH208, MATH308

PHIL308-24S1 (C) **Semester 1**
PHIL308-24S1 (D) **Semester 1**

PHIL310 History of Philosophy

30 Points 0.2500 EFTS

This course introduces you to the philosophy of the early modern period. We shall pay particular attention to the epistemological and metaphysical questions addressed by Descartes in his Meditations and by Hume in Book 1 of his A Treatise of Human Nature. We also study Hume's moral theory in Bk. III of the Treatise, Locke's epistemology and Berkeley's metaphysics. Topics covered include rationalism and empiricism, dreaming, scepticism, proofs of the existence of God, mind-body dualism, idealism, the nature of self, personal identity, causation, reason and the passions. Is knowledge based on reason or experience? Can I be sure that I'm not dreaming? Can I be sure of anything? What, in any case, is this 'I'? What is the relationship between mind and body? What is it to remain the same person over time? Does the external world exist and, if so, what is its nature? Can 'ought' be derived from 'is'? Is morality based on reason or the passions?

P: Any 30 points at 200 level from PHIL, or any 60 points at 200 level from the Schedule V of the BA.

PHIL310-24S1 (C) **Semester 1**

PHIL311 Meaning, Mind, and the Nature of Philosophy

30 Points 0.2500 EFTS

Do we think in words? If I say 'I'm in pain', do you really know what I mean? How can we talk about what doesn't exist - tomorrow, Harry Potter, or the possible world where you win $1 million on Lotto? Can machines have concepts? Why does every attempt to solve a philosophical problem simply raise more problems, sometimes even worse ones? We look at central philosophical problems through the eyes of some of the greatest and most challenging philosophers of the 20th and 21st centuries.

P: Any 30 points at 200 level from PHIL, or any 60 points at 200 level from the Schedule V of the BA or the BSc.
R: PHIL464, PHIL497

PHIL311-24S2 (C) **Semester 2**
PHIL311-24S2 (D) **Semester 2**

PHIL318 Philosophy of Religion: Rationality, Science, and the God Hypothesis

30 Points 0.2500 EFTS

Why does the universe exist, rather than nothing at all? Does life imply a designer? Can we show by pure logic that a supreme being exists? Is a person a non-physical soul or only a neural net encased in a skull? Can I survive my death or is belief in an afterlife a trick of evolution? Isn't all the suffering in the world evidence against the hypothesis of a benevolent God? Can human beings tell what is morally right and wrong, or do we need a 'God's-eye'view'? Is science compatible with religion? Is there one and only one true religion? What is 'faith' and what is 'reason' - and who decides?

P: Any 30 points at 200 level from PHIL, or any 60 points at 200 level from the Schedule V of the BA or the BSc.
R: RELS210 and PHIL229

PHIL318-24S1 (C) **Semester 1**
PHIL318-24S1 (D) **Semester 1**

PHIL321 Ethics

15 Points 0.1250 EFTS

This course looks at concepts and theories in normative ethics and meta-ethics. Normative ethics deals with the foundations of moral theory. What determines whether an action is right or wrong, good or bad? What principles should we live by? Utilitarianism, deontology and virtue ethics provide three influential answers. Part I of the course studies these theories in detail, considering the ideas of Mill, Kant and Aristotle along the way. Meta-ethics deals with second-order questions about ethical thought and talk. Are there moral facts and moral truths? Could moral judgements be objectively true? What is the relation between moral facts and scientific or natural facts? How, if at all, can we acquire moral knowledge? What role do the emotions play in moral judgement? Part II of the course focuses on these and similar questions.

P: Any 30 points at 200 level from PHIL, or any 60 points at 200 level from the Schedule V of the BA.
R: PHIL236

PHIL321-24S2 (C) **Semester 2**

PHIL324 Bioethics: Life, Death, and Medicine

15 Points 0.1250 EFTS

Bioethics is the study of ethical problems in healthcare, research, technology and the environment. Bioethical problems arise every day, affecting societies, people and non-human animals. This course covers a wide range of issues, including: research on human and non-human animals; reproductive technologies, such as surrogacy and genetic testing; the use of data to monitor and control human actions; conflicts between privacy and autonomy and the public good, and decisions about protecting, killing and letting die, including healthcare, abortion, and euthanasia. The course includes an introduction to ethical values and principles, ways of dealing with moral disagreements, and reflection on what it means for something to be worth moral consideration.

P: Any 30 points at 200 level in PHIL, LAWS, HLTH, or any 60 points at 200 level from the Schedule V of the BA.
R: PHIL240, POLS225
RP: PHIL139 or PHIL236

PHIL324-24S2 (C) **Semester 2**
PHIL324-24S2 (D) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

PHIL424 Ethics of Artificial Intelligence

30 Points 0.2500 EFTS

Artificial Intelligence (AI) is a new and rapidly developing field that affects social media, military actions, the way we are governed, our criminal justice and health systems, and many other areas that impact on our lives. In each of these areas, the use of AI can and will create situations that harm or benefit people and also non-human animals. Understanding the nature of these potential harms and benefits, their value and disvalue, and what can enhance, mitigate or remove them, can help to make the widespread adoption of AI technologies ethical and also more publicly acceptable.

P: Permission of the Head of Department.
R: COSC443 and PHIL425

PHIL424-24S2 (C) **Semester 2**
PHIL424-24S2 (D) **Semester 2**

PHIL425 Ethics of Artificial Intelligence
15 Points 0.1250 EFTS

Artificial Intelligence (AI) is a new and rapidly developing field that affects social media, military actions, the way we are governed, our criminal justice and health systems, and many other areas that impact on our lives. In each of these areas, the use of AI can and will create situations that harm or benefit people and also non-human animals. Understanding the nature of these potential harms and benefits, their value and disvalue, and what can enhance, mitigate or remove them, can help to make the widespread adoption of AI technologies ethical and also more publicly acceptable.

P: Subject to approval by the Head of Department
R: COSC443 and PHIL424

PHIL425-24S2 (C) **Semester 2**
PHIL425-24S2 (D) **Semester 2**

PHIL475 Special Topic: Advanced Problems in Philosophy
30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

PHIL475-24S1 (C) **Semester 1**
PHIL475-24S1 (D) **Semester 1**

PHIL480 Research Essay
30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.
R: PHIL481; PHIL485

PHIL480-24A (C) **Starts Anytime**
PHIL480-24W (C) **Whole Year (S1 and S2)**

PHIL482 Research Essay A
15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.
R: PHIL481; PHIL485; PHIL480

PHIL482-24S2 (C) **Semester 2**

PHIL483 Research Essay B
15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.
R: PHIL481; PHIL485; PHIL480

PHIL483-24S1 (C) **Semester 1**

PHIL493 Landmarks of Analytic Philosophy
30 Points 0.2500 EFTS

This course is about major new discoveries and developments that have occurred in analytic philosophy - developments that have forever changed how philosophers will approach major questions in metaphysics, epistemology, the philosophy of mind, ethics, and the philosophy of language. Topics covered will vary from year to year depending on student interest, but may include Quine's monumentally influential Two Dogmas of Empiricism, Saul Kripke's ground-breaking discoveries in Naming and Necessity, Hillary Putnam's writings about the strange planet of Twin Earth, David Lewis' infamously counterintuitive theory that all coherently imaginable possible worlds exist 'out there' as universes parallel to this one, a powerful new framework for analysing possibility called 'two-dimensional semantics', Thomas Nagel on the subject of the inner lives of bats, Donald Davidson's 'Swampman' thought experiment, and a mythical philosophical figure popularly known as 'Kripkenstein'.

P: Subject to approval of the Head of Department.
R: PHIL343

PHIL493-24S2 (C) **Semester 2**
PHIL493-24S2 (D) **Semester 2**

PHIL494 Philosophical Logic
30 Points 0.2500 EFTS

An introduction to central topics in philosophical logic. The course includes an introduction to the work of New Zealand philosopher Arthur Prior.

P: Subject to approval of the Head of Department.
R: PHIL305

PHIL494-24S1 (C) **Semester 1**
PHIL494-24S1 (D) **Semester 1**

PHIL497 Meaning, Mind, and the Nature of Philosophy
30 Points 0.2500 EFTS

Do we think in words? If I say, 'I'm in pain', do you really know what I mean? How can we talk about what doesn't exist - tomorrow, Harry Potter, or the possible world where you win $1 million on Lotto? Can machines have concepts? Could you have been born in a different hemisphere, with different parents and the opposite sex? Why does every attempt to solve a philosophical problem simply raise more problems, sometimes even worse ones? We look at central philosophical problems through the eyes of some of the greatest and most challenging philosophers of the 20th and 21st centuries.

P: Subject to approval of the Head of Department.
R: PHIL311

PHIL497-24S2 (C) **Semester 2**
PHIL497-24S2 (D) **Semester 2**

PHIL498 History of Philosophy
30 Points 0.2500 EFTS

This course introduces you to the philosophy of the early modern period. We shall pay particular attention to the epistemological and metaphysical questions addressed by Descartes in his Meditations and by Hume in Book 1 of his A Treatise of Human Nature. We also study Hume's moral theory, Locke's epistemology and Berkeley's metaphysics. Topics covered include rationalism and empiricism, dreaming, scepticism, proofs of the existence of God, mind-body dualism, idealism, the nature of self, personal identity, causation, reason and the passions. Is knowledge based on reason or experience? Can I be sure that I'm not dreaming? Can I be sure of anything? When, in any case, is the 'I'? What is the relationship between mind and body? What is it to remain the same person over time? Does the external world exist, and, if so, what is it by nature? Can 'ought' be derived from 'is'? Is morality based on reason of the passions?

P: Subject to approval of the Head of Department.
R: PHIL310

PHIL498-24S1 (C) **Semester 1**

PHIL499 Moral Psychology
30 Points 0.2500 EFTS

In this course, moral judgement and behaviour is studied by experimental methods. Topics will include methods and approaches, tolerances of political differences, reasoning about morality, character and reputation, morality in the economy, judging intentions, free will, evolution and cultural approaches, and moral diversity.

P: Subject to approval of the Head of Department.
R: PSYC468

PHIL499-24S1 (C) **Semester 1**

PHIL660 MA Dissertation
60 Points 0.5000 EFTS

MA Dissertation

P: Subject to approval of the Head of Department.

PHIL660-24A (C) **Starts Anytime**
PHIL660-24S1 (C) **Semester 1**
PHIL660-24S2 (C) **Semester 2**

PHIL690 MA Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

PHIL690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

PHIL695 MSc Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Programme Coordinator for Philosophy.

PHIL695-24A (C) **Starts Anytime**

PHIL790 Philosophy PhD
120 Points 1.0000 EFTS

P: Subject to approval of the Programme Coordinator for Philosophy.

PHIL790-24A (C) **Starts Anytime**
PHIL790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Photography

School of Creative and Digital Arts

PHOT211 Photography 2A
45 Points 0.3750 EFTS

Students will be introduced to developing technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Photography practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.

P: FINA103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

PHOT211-24S1 (C) **Semester 1**

PHOT212 Photography 2B
45 Points 0.3750 EFTS

Students will continue the development of technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Photography practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.

P: PHOT211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

PHOT212-24S2 (C) **Semester 2**

PHOT311 Photography 3
90 Points 0.7500 EFTS
P: PHOT212
PHOT311-24W (C) **Whole Year (S1 and S2)**

PHOT411 Photography 4
90 Points 0.7500 EFTS
P: PHOT311
PHOT411-24W (C) **Whole Year (S1 and S2)**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

PHOT601 Photography
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
PHOT601-24A (C) **Starts Anytime**

Physics

Te Kura Matū | School of Physical and Chemical Sciences

PHYS101 Engineering Physics A: Mechanics, Waves, Electromagnetism and Thermal Physics
15 Points 0.1250 EFTS
This is a required course for all Engineering Programmes as well as Physics and Astronomy degrees. PHYS101 builds on NCEA level 3 physics to develop Mechanics, Conservation Laws, Fluids, Waves, Thermal Physics, and Electromagnetism into an essential foundation for science and technology understanding.
P: 1) a) PHYS111 or NCEA 14 credits (18 credits strongly recommended) at level 3 Physics, and b) MATH101 or 14 Credits (18 credits strongly recommended) at level 3 Mathematics (including the standards 'Apply differentiation methods in solving problems (91578)' and 'Apply integration methods in solving problems(91579)), or 2) Cambridge: D at A level or an A at AS level in both Physics and Mathematics, or 3) IB: 4 at HL or 6 at SL in both Physics and Mathematics, or 4) approval of the Head of Department based on alternative prior learning.
R: PHYS113, PHYS112
EQ: PHYS113
PHYS101-23SU2 (C) **Summer (Nov 23)**

PHYS102 Engineering Physics B: Modern Physics and Electromagnetism (2)
15 Points 0.1250 EFTS
An essential course for students advancing in physical sciences and engineering who need a good understanding of electromagnetism and concepts of modern physics. The first section introduces aspects of modern physics such as quantum effects in atoms and materials, radioactivity and nuclear processes. The second section covers the E&M necessary to understand basic circuit theory, magnetic field concepts and finally applications such as power technology and electronics.
P: PHYS101. These prerequisites may be replaced by other background as approved by Head of Department
R: PHYS114, PHYS115
EQ: PHYS114
PHYS102-23SU2 (C) **Summer (Nov 23)**
PHYS102-24S2 (C) **Semester 2**

PHYS111 Introductory Physics for Physical Sciences and Engineering
15 Points 0.1250 EFTS
An introductory physics course covering mechanics, oscillations, waves, D.C. circuits, geometrical optics, wave optics, nuclear physics.
R: Students who have been credited with any of PHYS101, PHYS102, PHYS113 or PHYS114 cannot subsequently be credited with PHYS111.
PHYS111-24S1 (C) **Semester 1**

PHYS203 Relativistic and Quantum Physics
15 Points 0.1250 EFTS
Introduction to relativistic mechanics, including space-time transformations, dynamics and collisions of relativistic particles. Introduction to quantum physics, bringing out its applications, including wave-particle duality, one dimensional barriers and wells, electron spin, electron configuration of atoms, lasers, semiconductors and quantum dots.
P: (1) PHYS102 or (PHYS101 and CHEM211); (2) MATH102 or EMTH118. These prerequisites may be replaced by a high level of achievement in level 3 NCEA Physics and Mathematics with Calculus or other background approved by the Head of Department.
R: PHYS222
RP: MATH103 or EMTH119.
PHYS203-24S2 (C) **Semester 2**

PHYS205 Waves, Optics and Mechanics
15 Points 0.1250 EFTS
In this course we study the physics of wave oscillations and their applications in numerous different physical systems. The geometric theory of image formation is developed and applied to various optical instruments. We will study interference and diffraction problems using Fourier techniques. Its use in optical instruments such as diffraction grating spectrometers, interferometers and lasers is highlighted. The course will also provide a review of 100 level mechanics material and then develop a deeper understanding of mechanics than addressed at 100-level, particularly the motion of rotating bodies and the application of these ideas to real-world systems such as the weather and orbits.
P: (1) PHYS101; (2) MATH102 or EMTH118. These prerequisites may be replaced by a high level of achievement in level 3 NCEA Physics and Mathematics with Calculus or other background approved by the Head of Department.
R: PHYS201, PHYS202
RP: (1) PHYS102; (2) MATH103 or EMTH119; (3) COSC131 or COSC121.
PHYS205-24S1 (C) **Semester 1**

PHYS206 Electromagnetism and Materials
15 Points 0.1250 EFTS
The treatment of electromagnetic forces and potentials in vector form. Development of the fundamental laws of electromagnetism through to the Maxwell equations in integral form. Practical application of electromagnetic theory to various physical situations. Introduction to modern materials starting with their different classifications, their physical structure and their basic electronic properties. Later sections will include discussion of nanomaterials and semiconductors. Frequent reference will be made to the technological relevance of the material as well as the basic physics at its foundation.
P: (1) PHYS102 or (PHYS101 + CHEM211); (2) MATH102. These prerequisites may be replaced by a high level of achievement in level 3 NCEA Physics and Mathematics with Calculus or other background approved by the Head of Department.
R: PHYS202, PHYS314
RP: MATH103 or EMTH119.
PHYS206-24S2 (C) **Semester 2**

PHYS285 Technical and Professional Skills for Physicists
15 Points 0.1250 EFTS
A laboratory based course in experimental techniques, data acquisition and analysis, scientific writing and career skills for second-year physics/astronomy students.
P: (1) PHYS101; and (2) MATH102 or EMTH118; and (3) COSC131 or COSC121 or another approved course in computer programming. These prerequisites may be replaced by a high level of achievement in level 3 NCEA Physics and Mathematics with Calculus or other background approved by the Head of Department.
R: PHYS281, PHYS282
RP: (1) PHYS102; and (2) MATH103 or EMTH119
PHYS285-24S1 (C) **Semester 1**

PHYS310 Thermal, Statistical and Particle Physics
15 Points 0.1250 EFTS
Development of statistical mechanics from thermodynamic principals. Entropy interpreted from both the thermodynamic and statistical viewpoint. Applications in nuclear and particle physics including radioactivity.
P: (1) PHYS203; (2) MATH103 or EMTH119 or MATH201.
R: PHYS204, PHYS440
RP: MATH201
PHYS310-24S1 (C) **Semester 1**

PHYS311 Quantum Mechanics
15 Points 0.1250 EFTS
Development of quantum mechanics from basic postulates, using operator techniques, with application of the formalism to a variety of systems; time-independent perturbation theory.
P: (1) PHYS203 or (PHYS206 and CHEM251); (2) MATH103 or EMTH119 or MATH201.
RP: MATH201 and MATH203
PHYS311-24S1 (C) **Semester 1**

PHYS313 Advanced Electromagnetism and Materials
15 Points 0.1250 EFTS
The development of the Maxwell equations in differential form. The propagation of electromagnetic waves in free space, dielectrics and conducting media, their behaviour at dielectric interfaces and their production from radiating sources. Advanced topics in modern materials science. Development of the electronic theory of solids leading to band-structure calculations and on to band-structure engineering in quantum architectures. Advanced semiconductor physics including devices in modern opto-electronics.
P: (1) PHYS206; (2) PHYS203 or CHEM211; (3) MATH103 or EMTH119 or MATH201.
R: PHYS312, PHYS314, PHYS443
RP: MATH201
PHYS313-24S2 (C) **Semester 2**

PHYS323 Laser Physics and Modern Optics
15 Points 0.1250 EFTS
The aim of this course is to discuss the physics of the atom-radiation interaction, optical materials, laser physics as well as quantum and non-linear optics with particular reference to key topical applications such as femtosecond lasers and non-linear spectroscopy.
P: 1) PHYS203; (2) PHYS206; (3) MATH103 or MATH109 or EMTH119 or MATH201.
R: PHYS413
RP: PHYS205, MATH201
PHYS323-24S1 (C) **Semester 1**
Offered in odd-numbered years.

PHYS326 Classical Mechanics and Symmetry Principles
15 Points 0.1250 EFTS
The Lagrangian and Hamiltonian formulations of classical mechanics which provide essential preparation for all advanced courses in theoretical physics. Techniques learned have wide use in advanced quantum mechanics, quantum field theory, general relatively, particle physics and statistical mechanics.
P: (1) PHYS202 or PHYS205; (2) PHYS203; (3) MATH201
RP: MATH202 and MATH203
PHYS326-24S1 (C) **Semester 1**

PHYS330 Environmental and climate modelling
15 Points 0.1250 EFTS
This is a hands-on course in which students will learn the fundamentals of modelling the Earth's climate system. Using the Python programming language, students will develop parameterisations for simple climate models, and learn how to run more advanced models. Students will learn how models are used to support decision making through geoinformatics and science in the areas of: climate change; air pollution; the ozone layer; numerical weather prediction, and its application in renewable energy and agricultural meteorology. Particular focus will be given to how these issues affect Aotearoa New Zealand and the wider Pacific.
P: (COSC131 or COSC121 or BIOL209) AND (PHYS285 or ENVR201 or ENVR209 or GEOG201)
R: PHYS430
PHYS330-24S2 (C) **Semester 2**

PHYS381 Advanced Experimental Physics and Astronomy
15 Points 0.1250 EFTS
Execution and write-up of selected laboratory experiments.
P: (1) PHYS285; (2) 30 points from PHYS201-206 including either PHYS202 or PHYS205); (3) MATH103 or EMTH119 or MATH201.
R: ASTR381
RP: MATH201
EQ: ASTR381
PHYS381-24S2 (C) **Semester 2**
This course is normally taken in Semester 2. Entry for SU2 or S1 will only be granted by the HOD in exceptional circumstances.

PHYS391 Introductory Physics Research
15 Points 0.1250 EFTS
150 hours of research undertaken with the supervision of an active researcher. To be assessed with an oral presentation 20%, and a short written report 80%. This course may be started at any time with the agreement of the HOD. Note that start and end dates may affect entitlement to Studylink support.
P: (1) MATH103 or MATH109 or equivalent (2) 44 points from PHYS200 (3) Entry subject to a supervisor approved by the Head of Department, being available
PHYS391-23SU2 (C) **Summer (Nov 23)**
PHYS391-24S1 (C) **Semester 1**
PHYS391-24S2 (C) **Semester 2**
(1) Cannot be credited to the 56 points at 300 level PHYS required for a PHYS major. (2) Comprises 150 hours Research Practice.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

PHYS407 Research Tools
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
PHYS407-24S1 (C) **Semester 1**
PHYS407-24W (C) **Whole Year (S1 and S2)**

PHYS411 Advanced Quantum Mechanics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department
PHYS411-24S1 (C) **Semester 1**

PHYS412 Advanced Condensed Matter Physics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
PHYS412-24S1 (C) **Semester 1**

PHYS413 Laser Physics and Modern Optics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
R: PHYS323
PHYS413-24S1 (C) **Semester 1**

PHYS415 General Relativity
15 Points 0.1250 EFTS
This course introduces the foundations of general relativity - Einstein's theory of gravitational interactions - with applications. We begin with a physical motivation for general relativity in terms of the equivalence principle and tidal forces. We then develop the mathematical framework of differential geometry needed for working in curved space-time. Equipped with the machinery of connections, covariant derivatives, and the Riemann curvature tensor we will investigate the geodesic equations and Einstein's equations, which describe the dynamic relationship between matter and geometry. Applications will include the determination of orbits near stars and black holes, and the bending of light.
P: Subject to approval of the Head of Department.
PHYS415-24S2 (C) **Semester 2**

PHYS416 Quantum Field Theory
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
PHYS416-24S2 (C) **Semester 2**

PHYS420 Special Topic
20 Points 0.1670 EFTS
P: Subject to approval of the Head of Department.
PHYS420-24S1 (C) **Semester 1**

PHYS430 Environmental and climate modelling
15 Points 0.1250 EFTS
This is a hands-on course in which students will learn the fundamentals of modelling the Earth's climate system. Using the Python programming language, students will develop parameterisations for simple climate models, and learn how to run more advanced models. Students will learn how models are used to support decision making through geoinformatics and science in the areas of: climate change; air pollution; the ozone layer; numerical weather prediction, and its application in renewable energy and agricultural meteorology. Particular focus will be given to how these issues affect Aotearoa New Zealand and the wider Pacific.
P: (COSC121 or EMTH171 or BIOL209) AND PHYS319
R: PHYS330
PHYS430-24S2 (C) **Semester 2**

PHYS440 Thermal, Statistical and Particle Physics
15 Points 0.1250 EFTS
Development of statistical mechanics from thermodynamic principals. Entropy interpreted from both the thermodynamic and statistical viewpoint. Applications in nuclear and particle physics including radioactivity.
P: (1) PHYS203; (2) MATH201.
R: PHYS204, PHYS310
PHYS440-24S1 (C) **Semester 1**

PHYS441 Quantum Mechanics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
PHYS441-24S1 (C) **Semester 1**

PHYS443 Advanced Electromagnetism and Materials
15 Points 0.1250 EFTS
The development of the Maxwell equations in differential form. The propagation of electromagnetic waves in free space, dielectrics and conducting media, their behaviour at dielectric interfaces and their production from radiating sources. Advanced topics in modern materials science. Development of the electronic theory of solids leading to band-structure calculations and on to band-structure engineering in quantum architectures. Advanced semiconductor physics including devices in modern opto-electronics.
P: (1) PHYS203; (2) PHYS206; (3) MATH103 or MATH109 or EMTH119 or MATH201.
R: PHYS312, PHYS313, PHYS314, PHYS442, PHYS444
RP: PHYS205, MATH201
PHYS443-24S2 (C) **Semester 2**

PHYS456 Classical Mechanics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
PHYS456-24S1 (C) **Semester 1**

PHYS480 Physics Research Project
30 Points 0.2500 EFTS
An independent research project in Physics for 400-level students
P: Entry is subject to approval of the Head of Department
PHYS480-24A (C) **Starts Anytime**
PHYS480-24S1 (C) **Semester 1**

PHYS493 Research Project
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
PHYS493-23SU2 (C) **Summer (Nov 23)**
PHYS493-24S1 (C) **Semester 1**
PHYS493-24S2 (C) **Semester 2**

PHYS690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
PHYS690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

PHYS790 Physics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
PHYS790-24A (C) **Starts Anytime**
PHYS790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Plant Biology

School of Biological Sciences

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PBIO690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to the approval of the Head of Department.
PBIO690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

PBIO790 Plant Biology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
PBIO790-24A (C) **Starts Anytime**
PBIO790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Political Science and International Relations

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

POLS102 Politics: An Introduction
15 Points 0.1250 EFTS
This course introduces the basic tools and techniques used in political science, including research techniques, formulation of hypotheses, and methods of analysis. It also introduces students to a selection of key theories and frameworks. The course covers topics such as nationalism and ethnicity, democracy, authoritarianism, people's power, conflict, globalisation, and the future of global politics. This course will be of great benefit to Political Science majors of all levels and to students who desire a broad-based introduction to the field.
POLS102-24S1 (C) **Semester 1**
POLS102-24S1 (D) **Semester 1**

POLS103 Introduction to New Zealand Politics and Policy
15 Points 0.1250 EFTS
How are decisions made in New Zealand? Who has how much power in this process? How can citizens, businesses, iwi, and a diverse range of groups have a say? This course is an introduction to New Zealand politics and public policy. The course examines the core features of New Zealand's political landscape: The constitution, how MMP works, the roles of leaders, cabinet and parliament, and then explores issues that matter to the public, and asks how citizens can participate in politics, what role powerful groups including the media play in decision making and how new, diverse voices can be heard, including your own. The course includes a field day working in local communities learning about leadership and public attitudes.
POLS103-24S1 (C) **Semester 1**

POLS104 Introduction to International Relations
15 Points 0.1250 EFTS
This course provides a broad introduction to the core issues and theories related to the study of international relations. Students will be introduced to the discipline through a study of key historical events, prominent theories of international relations, and a variety of practical examples.
POLS104-24S2 (D) **Semester 2**
POLS104-24S2 (C) **Semester 2**

POLS105 Comparing the Politics of Nations: A Global Introduction
15 Points 0.1250 EFTS
This course serves as an introduction to the basics of comparative political studies. It is designed to provide the student with a broad comparative overview of the world's political systems. The main objective is to give students the necessary tools to assess and understand the differences in political culture, political organizations, governmental structures, and political behaviour.
POLS105-24S2 (C) **Semester 2**

POLS106 Plato to Nato: Introduction to Political Thought
15 Points 0.1250 EFTS
What's the right thing for a group of people to do? How does a society know it is well governed? How do you know you are doing the right thing for your country, or your fellow citizens, or how that will impact on your family and friends? Who matters more, your family or your fellow citizens? The best way to answer these questions has been debated for more than over 2000 years. This course is an introduction to the thinkers that have suggested answers to these questions and influenced everyone from Plato to Trump and you. In this course, you will study the evolution of the ideas that form the building blocks of the political and social sciences. The course traverses the political ideas that arose in the Greek and Roman civilisations, the Renaissance, the birth of America, the death of the English and French despotic monarchies, and the great traumas of socialism, Marxism and the political upheavals that followed the wars of the 20th century. We will trace the changes in the fundamental political concepts such as freedom, equality, rights, justice, government, the state, markets, and domination.
R: PHIL145
EQ: PHIL145
POLS106-24S2 (C) **Semester 2**
POLS106-24S2 (D) **Semester 2**

POLS202 International Relations and Humanitarian Ideals
15 Points 0.1250 EFTS
This course examines the intersection of international relations and humanitarian ideals. It examines debates over the meaning of sovereignty, the role of identity and ethnicity in war, and the impact of human rights in international and global politics. These issues are illustrated via case studies of humanitarian intervention and the war on terror.
P: Any 15 points at 100 level from POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
POLS202-24S2 (C) **Semester 2**

POLS205 Politics of the United States of America
15 Points 0.1250 EFTS
This course focuses on the institutions and government of the United States. Topics include civil rights and civil liberties, the Courts, Presidential-Congressional relations, the national security establishment (e.g. the military and Central Intelligence Agency), the Trump Administration, and the 2020 Presidential election. We also consider key foreign policy issues such as the U.S.in the Asia-Pacific region, U.S.-China relations, U.S.-North Korea relations, and the global significance of the U.S. economy. Particular attention will be given to the dynamics of the 2020 Presidential election.
P: Any 15 points at 100 level from POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
POLS205-24S2 (C) **Semester 2**

POLS206 Introduction to Public Policy and Policy Analysis
15 Points 0.1250 EFTS
This course introduces concepts of and approaches to public policy analysis and evaluation. The course examines the interaction of expertise, society, and public policy and clarifies the intricacies of the policy process in light of technological and social change.
P: Any 15 points at 100 level from HLTH, HSRV, or POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
POLS206-24S1 (C) **Semester 1**

POLS209 Politics of International Aid and Development
15 Points 0.1250 EFTS

This course introduces the main discourses, theories and practices related to the discipline of international development studies and its actors. We will first study the contentious history of the discipline which remains at times influenced by its colonial roots. This historical review will be key in appreciating how, since the end of World War II, global and regional political and economic contexts have informed the rise - and fall - of development theories and practices. Building on these historical insights, the course then turns to the politics of development aid and its actors. Here, a critical analysis of the drivers and practices for and around aid allocation will be pivotal in assessing the impact of aid on the ground. We will discuss key debates in relation to why and how governments give aid (bilateral and multilateral aid) and why, despite billions of dollars spent on international aid over time, poverty still plagues many countries across the Global South. The third part of the course turns to international private aid flows. Here we will discuss the trends and issues that arise from a proliferation of private actors in the aid industry: foundations, corporations, Non-Governmental Organisations (NGOs) and broader civil society movements. Practical case studies will be utilised throughout the course, by reference to a variety of historical events, case studies of actors in the field such as the World Bank, NZAid, and Oxfam, as well as guest experts from the field.

P: Any 15 points at 100 level from POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.

POLS209-24S2 (C) **Semester 2**

POLS210 Democratic Uprisings and Political Participation
15 Points 0.1250 EFTS

With democracy increasingly coming under attack around the world, this course examines democratic uprisings, focusing on the "people's power" uprisings in Southeast Asia, the "Arab Spring" uprisings in the Middle East, and contemporary uprisings in other parts of the world. It examines the causes of uprisings, the factors that lead to success or failure, and the role of both traditional and social media in the uprisings. It considers when newly created democracies are most likely to succeed and when they are likely to fail. Last, we consider the threats to contemporary democracies, particularly new democracies, but also with some reflection on more established democracies like our own.

P: Any 15 points at 100 level from POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.

POLS210-24S1 (C) **Semester 1**
POLS210-24S1 (D) **Semester 1**

POLS211 China from Mao to Now
15 Points 0.1250 EFTS

This course will provide an introduction to the domestic politics and foreign policy of the People's Republic of China and Taiwan (Republic of China).

P: Any 15 points at 100 level from POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.

POLS211-24S2 (C) **Semester 2**

POLS212 Global and International Political Economy
15 Points 0.1250 EFTS

This course examines the politics of global economic relations. It will focus on issues of international trade, the international monetary system, and foreign investment-and the relationship of each to both domestic and international politics. Among the specific topics to be discussed are: trade and protectionism, the role and performance of global institutions such as the IMF, World Bank, and WTO, the significance of multinational corporations, efforts at regional economic integration such as the EU and NAFTA, the relationship of the world economy to the economic development of poor countries, the emergence of new economic players such as China and India, and the relationship between economic strength and political power.

P: Any 15 points at 100 level from POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.

POLS212-24S1 (C) **Semester 1**

POLS216 City Politics and Urban Policy
15 Points 0.1250 EFTS

This is the century of the city. By 2050, seven in ten people on the planet will be living in an urban area. Many of the rapidly growing cities are larger than small nations. How do cities make decisions? How do citizens in cities effect change? This course examines local and regional community politics in rapidly developing urban areas and struggling regions; in particular the course examines the role and function of local democracy through the lens of public participation in key policy issues. Discussion and analysis considers the role of the public in policy formulation, and implementation at neighbourhood, city and regional level; and the relationship between local and central government and international agencies and considers the changing roles and challenges of local governance. There is a special focus on the politics of disasters and community recovery. Teaching includes field trips in both Christchurch and Westport field centre.

P: Any 15 points at 100 level from POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.

POLS216-24S1 (C) **Semester 1**

POLS224 Democratic and Economic Evolution of Europe
15 Points 0.1250 EFTS

This course is designed to provide sufficient knowledge and understanding of recent economic developments and democratisation processes in Europe as a whole and within the EU as an institution. It will examine the institutional and policy changes that have happened since the European "reunification" in 1989, but significant attention will be paid to the economic and political history of the continent also.

P: Any 15 points at 100 level from EURA or POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
R: EURA224, EURO224, EURA324, EURO324
EQ: EURA224

POLS224-24S1 (C) **Semester 1**

POLS232 Media and Politics
15 Points 0.1250 EFTS

The course provides an understanding of the role of the media in domestic and international politics. It does this by analysing key theoretical assumptions and debates on the role of media institutions in the struggle for power domestically and internationally. This course includes group work and requires active in-class engagement. It has on-campus and distance options. It features internationally-recognised top experts in the field of political communication as our guest speakers. Research, critical debate, collaborative work, networking, creativity, writing and presentation are among the core skills this course aims to advance.

P: Any 15 points at 100 level from COMS or POLS, or any 60 points at 100 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
R: COMS205
EQ: COMS205

POLS232-24S1 (C) **Semester 1**
POLS232-24S1 (D) **Semester 1**

POLS234 European Foreign Policy in the 21st Century
15 Points 0.1250 EFTS

This course focuses on how the EU, and its member states, are adapting to an international role in the 21st century. The course will critically examine the institutions of EU foreign and security policy, the creation of the Common Security and Defence Policy (CSDP) and the increasing number of civilian and military crisis management operations. The course assesses the EU's emergent strategy and strategic culture and strands of its foreign policy in action. Particular attention is given to EU development policy, the EU's engagement with the Sustainable Development Goals, EU trade policy, as well as how the EU engages with other world powers such as the US, Russia and China.

P: Any 15 points at 100-level from EURA or POLS, OR any 60 points at 100-level from Schedule V of the BA.
R: EURA234
EQ: EURA234

POLS234-24S2 (C) **Semester 2**
POLS234-24S2 (D) **Semester 2**

POLS301 Contemporary Political Theory
30 Points 0.2500 EFTS

The study of politics focuses not only on how the political world operates, but also the normative question of how it ought to operate. Is redistribution of wealth justified? Do people have a right to what they earn in the market? Is equality of opportunity possible? Is it desirable? This course examines theories of distributive justice and their implications for economics and markets. Topics covered include: Utilitarianism; Rawls's theory of justice; Dworkin's equality of resources; Libertarianism; Universal basic income; Market socialism; Citizenship; and culture and politics.

P: Any 30 points at 200 level from PHIL or POLS, or any 60 points at 200 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
R: PHIL317, POLS351

POLS301-24S1 (C) **Semester 1**
POLS301-24S1 (D) **Semester 1**

POLS304 Environmental Politics and Policy
30 Points 0.2500 EFTS

Has green politics come of age? Around the world we are seeing spontaneous community movements challenging four difficult and intersecting issues: dangerous environmental change, growing social inequality, weak democracy and a paradigm of growth that has contributed to resource extraction beyond the capacity of the planet. Against a background of difficult issues including climate change and the impact of colonization, this course examines the roots of environmental thinking and activism and asks- what are the implications of these ideas for how we live as citizens, communities, businesses and nations and how might we plan for just transitions towards a more equitable and sustainable future? The course involves a weekend field trip.

P: Any 30 points at 200 level from POLS, or any 60 points at 200 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.

POLS304-24S2 (C) **Semester 2**

POLS308 International Politics: Aotearoa New Zealand Foreign Policy
30 Points 0.2500 EFTS

This course will critically examine Aotearoa New Zealand's past and present foreign policy while exploring future foreign policy directions.

P: Any 30 points at 200 level from POLS, or any 60 points at 200 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
R: PACS303
EQ: PACS303

POLS308-24S1 (C) **Semester 1**

POLS314 Militaries and Societies
30 Points 0.2500 EFTS
This course focuses on civil-military relations. It covers the development of the modern professional military and its role in politics and society over time and in a wide range of countries, including European, Asian, American, and Australasian nations. It analyses the military role in the overthrow of democratic and non-democratic governments. It also examines the authoritarian nature of military regimes and the ways they may collapse or be overthrown by democratic uprisings. The final section of the course is devoted to contemporary issues in civil-military relations, raising questions regarding the emergence of the "post-modern", often politicised, military and how to control it, whether soldiers trained for battle are effective as peace-keepers, and the consequences of the return of mercenary forces.

P: Any 30 points at 200 level from POLS, or any 60 points at 200 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.
R: ILAP656, ILAP688

POLS314-24S2 (C) **Semester 2**

POLS315 Global Politics: Political Economy of Contemporary Democracies
30 Points 0.2500 EFTS
This seminar course is an in-depth comparative analysis of the political processes, behaviour, and institutions in industrial democracies. The course considers the numerous avenues through which citizens influence politics and policy-making and considers the implications of formal institutional structures and informal forms of participation. In this seminar, we will survey (i) the historical, geographic, and economic context, (ii) institutions and electoral processes, and (iii) recent transformations and future challenges of modern industrial democracies.

P: Any 30 points at 200 level from POLS, or any 60 points at 200 level from the Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom.

POLS315-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

POLS440 Principles and Practice of Policy and Governance
30 Points 0.2500 EFTS
This course offers advanced theory and practice of policy making and governance in the not-for-profit, public policy and public and private sectors. The first part of the course will provide foundational knowledge of the principles, theories and historical dimensions of policy analysis and governance. The second part of the course will be composed of a series of intensive professional seminars and case studies, providing students with detailed practical insights into the practical world of giving advice and making decisions while working within the context of a political environment constrained by other institutions, time and resources.

P: Subject to approval of the Head of Department.

POLS440-24S1 (C) **Semester 1**
POLS440-24S1 (D) **Semester 1**

POLS441 Principles and Practice of International Relations and Diplomacy
30 Points 0.2500 EFTS
This course offers a blend of theoretical and practical insight into international relations and diplomacy. The first part of the course will provide foundational knowledge of the principles, theories and historical dimensions of foreign policy and diplomacy. The second part of the course will be composed of a series of intensive professional seminars, providing students with detailed practical insights into complex and difficult cases in international relations and diplomacy through the experiences of those involved in them.

P: Subject to approval of the Head of Department.
R: ILAP614

POLS441-24S1 (C) **Semester 1**

POLS442 Policy and Governance in Small States of New Zealand and the Pacific
30 Points 0.2500 EFTS
This course provides an advanced introduction to policy making and governance challenges in small states, with a particular focus on New Zealand and the small states of the Pacific. Students will be introduced to Pacific and New Zealand political economy/development/challenges, building on insights into the cultural capital, opportunities and risks (environmental, social and economic) that these communities face. Through regional case studies of policy development and governance and seminars with practitioners and community leaders, students will also have opportunities to gain experience in locally led problem solving.

P: Subject to approval of the Head of Department.
R: POLS402

POLS442-24S2 (C) **Semester 2**

POLS444 International Human Rights
30 Points 0.2500 EFTS
This course examines the growth of the human rights movement over the past 70 years and problems associated with creating a universal set of human rights norms. Contemporary challenges will be examined with a particular emphasis on the Global South.

P: Subject to approval of the Head of Department.
R: POLS405, DIPL405, ILAP662, POLS420 and DIPL418 prior to 2014

POLS444-24S2 (C) **Semester 2**

POLS445 China's Emergence as a Global Great Power
30 Points 0.2500 EFTS
Covering China's international relations, government policy-formation process and contemporary institutions, this course will use an issues-based approach to help students develop a thorough understanding of China's emergence as a global great power and the global implications of this.

P: Subject to approval of the Head of Department.
R: POLS406 and DIPL406

POLS445-24S1 (C) **Semester 1**

POLS446 Political Economy of Economic Growth and Development
30 Points 0.2500 EFTS
This course examines the historical major economic, political, and social changes in the world economy in general and a comparative case study focus on East and Southern Asia. Discussion includes factors contributing to increases in economics performance, changes in the form of government, technological change (including industrialization), and episodes of integration and disintegration of the global economy. The course will also survey the impact of colonialism and the development of the nation-state and examines the theoritical approaches to economic development and growth.

P: Subject to approval of the Head of Department.
R: POLS407, DIPL407, ILAP671

POLS446-24S1 (C) **Semester 1**

POLS449 Wicked Problems, Politics, and Justice
30 Points 0.2500 EFTS
POLS449 offers an advanced examination of social policy issues from a comparative context. Students will examine a range of "wicked policy problems" (problems that are complex and hard to solve) and governance issues. Students will learn how and why issues are labelled as particularly challenging, analyse a range of responses that have been labelled as successes and failures, and hear from differently situated people in support or opposition of these responses, to understand and gain lessons for future and continuing policy analysts and decision-makers. Over the semester students will engage with key conceptual, methodological, and theoretical challenges that have sparked research seeking to evaluate, explain, and design effective public policy. Importantly, students will engage with critical literature which unpacks assumptions of wicked problem literature and discussions, challenges mainstream policy approaches, and seeks alternative futures.

P: Subject to approval by the Head of Department

POLS449-24S2 (C) **Semester 2**

POLS480 Supervised Research Paper
30 Points 0.2500 EFTS
In this course, students explore a research topic of their choice under the supervision of an appropriate staff member, subject to approval by the Programme Director. Students will be required to attend seminars in preparation for their independent research, and will also make presentations of their research during the year. This course is compulsory for all POLS Honours students. Students are recommended to submit some potential research topics to the honours coordinator upon enrolment.

P: Subject to approval of the Head of Department.

POLS480-24W (C) **Whole Year (S1 and S2)**
POLS480-24S1 (C) **Semester 1**

POLS481 Supervised Research Paper A
15 Points 0.1250 EFTS
This is part A of the Supervised Research Paper for students beginning their Honours degree in Semester 2.

P: Subject to approval of the Head of Department.
R: POLS480

POLS481-24S2 (C) **Semester 2**

POLS482 Supervised Research Paper B
15 Points 0.1250 EFTS
This is part B of the Supervised Research Paper for students beginning their Honours degree in Semester 2.

P: Subject to approval of the Head of Department.
R: POLS 480

POLS482-24S1 (C) **Semester 1**

POLS688 Dissertation
60 Points 0.5000 EFTS
A supervised, independent research project

P: Subject to approval of the Head of Department.

POLS688-24A (C) **Starts Anytime**

POLS689 Thesis
90 Points 0.7500 EFTS
A supervised, independent research thesis.

P: Subject to approval of the Head of Department.

POLS689-24A (C) **Starts Anytime**

POLS690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
POLS690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

POLS692 Independent Course of Study: Dissertation A
30 Points 0.2500 EFTS
P: Subject to the approval of the Head of Department
POLS692-24X (C) **15 July 2024 - 09 Feb 2025**

POLS693 Independent Course of Study: Dissertation B
30 Points 0.2500 EFTS
P: Subject to the approval of the Head of Department
POLS693-24S1 (C) **Semester 1**

POLS790 Political Science PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Department Coordinator.
POLS790-24A (C) **Starts Anytime**
POLS790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Product Design

Te Kura Hanga Otinga | School of Product Design

PROD101 Product Design 1
30 Points 0.2500 EFTS
Product Design 101 introduces the key-fundamental hands-on approaches towards creative and systematic product specification and design with fully-finished prototypes. Creative design-challenges will parallel fundamental principles of the design process, with case-studies of successful commercial Product designs and analysis of best-practice. Individual and also team-based open-ended product design and prototyping projects which explore real-life scenarios - will be the focus of the 2nd Semester within each of the 3 School of Product Design Majors. Students will will create hands-on prototypes related to their Degree Major, using techniques such as hand-tool and machine operations (Industrial Product Design), software and game engines (Immersive Applied Game Design), or mixing, blending and grinding operations (Chemical Formulation Design).
P: PROD110 or ENGR101
PROD101-24S2 (C) **Semester 2**

PROD110 Design Principles
15 Points 0.1250 EFTS
Introduction to formal aspects of design practice, including the detailed design brief, important influences and influencers in design throughout history, and the place of design in the context of cultures, nations and users. Critical practical skills, including freehand, technical drawing, as well as prototyping skills using paper, card, and modelling foam.
R: ENGR101
PROD110-24S1 (C) **Semester 1**

PROD111 Materials Science for Design
15 Points 0.1250 EFTS
Classes of materials and their properties in terms of strength, chemical stability, corrosion, elasticity, hardness, and applications. Stress-strain behaviour, Young's modulus, elastic deformation and failure modes.
PROD111-24S2 (C) **Semester 2**

PROD112 Digital Modelling for Design
15 Points 0.1250 EFTS
The goal of this course is to provide students with an opportunity to develop their digital design, 3D modelling, and prototyping skills. Students will be introduced to multiple methods for digital creation, including production of prototypes, technical drawings, and visual renderings for concept presentation. Students will experience design software and design techniques used in industry, giving insight into the digital design processes they may employ in their future career.
PROD112-24S2 (C) **Semester 2**

PROD121 The Game Development Process
15 Points 0.1250 EFTS
This course takes students through the process of going from a game idea to a playable prototype. Students learn about the various roles, skills, technologies, and processes that need to come together to deliver a working game. Projects will be done in teams, and will mimic as closely as possible the processes used in commercial game studios.
PROD121-24S2 (C) **Semester 2**

PROD131 Introduction to Formulation Science
15 Points 0.1250 EFTS
This course introduces the key aesthetic and functional requirements and the principles underlying the creation of formulated products across a wide range of applications. Practical laboratories will focus on making and analysing a range of formulated products. Examples include pharmaceuticals, adhesives, paints, industrial coatings, fuels, cosmetics and personal care products, food and nutritional products, detergents and cleaning products, and agricultural products such as fertilizers, pesticides and herbicides. Lectures will cover principles of interfacial science affecting the creation and stability of emulsions, suspensions and solid formulations such as tablets and powders. Interactions of formulated products with physical systems will be described, including the mechanisms involved in their adsorption, absorption, metabolism, excretion and distribution within biological, non-biological and environmental systems.
P: Any 15 points of CHEM
C: Any 15 points of CHEM
PROD131-24S2 (C) **Semester 2**

PROD142 2D and 3D Art for Game and Film
15 Points 0.1250 EFTS
The goal of this course is to introduce students to concepts, techniques and tools they can use to communicate ideas and narrative through visual media in both 2D and 3D. Students will learn skills such as sketching, storyboarding, and visual framing, and examine existing practices in print (e.g. comics, graphic novels), film (e.g. storyboards) and games (e.g. concept art) to help them ideate, prototype, develop and communicate visually. A key theme of the course is an introduction to visual culture, including representation and objects as taonga. Students will learn how to create art in styles ranging from caricature to photorealistic, understanding how these different styles focus and emphasise different things depending on what must be communicated. In addition to 2D art, students will also learn how to create visual assets in 3D, including both translating existing artworks from 2D and developing new artwork in 3D from scratch. Students will learn the differences between creating 3D artworks for fixed camera mediums (e.g. film) and dynamic camera mediums (e.g. games).
PROD142-24S2 (C) **Semester 2**

PROD151 The Digital Product Lifecycle
15 Points 0.1250 EFTS
This course provides students with a holistic introduction to the core processes and principles of digital product design, from research and ideation, experiment-led prototyping, UX and UI design, through to testing, validation and customer feedback. Students will gain familiarity with the challenges faced by digital product teams in balancing user needs with technology and business constraints, and gain practical experience in solving product problems through design. Students will learn the basics of low-fidelity and high-fidelity prototyping using Figma and Web Platform technologies including CSS and JavaScript, in order to iteratively develop and test their designs for web, desktop, and mobile contexts.
PROD151-24S2 (C) **Semester 2**

PROD210 Design and Manufacture
15 Points 0.1250 EFTS
The goal of this course is to provide students with the ability to make an educated selection of production processes within the design process to obtain desired concept, shape and functional outputs. Students will be introduced to the most common high and low volume manufacturing processes, realize their limitations, exploit their potential, understand the moulds involved, and recognize how the products that surround us in our daily lives are created. Students will actively undertake research, detailed design assignments and workshop tasks set in the context of the design process and manufacturing processes.
P: PROD112
PROD210-24S1 (C) **Semester 1**

PROD211 Materials Engineering and Selection
15 Points 0.1250 EFTS
Performance of metallic, ceramic, polymeric, composite and electronic materials in a wide variety applications. The influence of materials processing on properties. Mechanical properties and strengthening. Solidification processing of metals and plastics. Corrosion. Application of the Granta CES Materials Selector software package to explore materials properties and select suitable materials for given design applications.
P: PROD111
PROD211-24S1 (C) **Semester 1**

PROD212 Thermofluids
15 Points 0.1250 EFTS
Fluid properties such as density and viscosity. Fluid statics, Bernoulli's equation, pipe flow profiles, pressure drop and frictional losses under flow. Laminar and turbulent flow. Pumps, compressors and fans. Thermodynamic properties such as heat capacity, latent heat of fusion and evaporation. Introduction to conductive and convective heat transfer, film and overall heat transfer coefficients. Radiation. Graphical analysis of common thermodynamic cycles, including the Carnot cycle and heat pumps.
P: Either 15 points of MATH/EMTH at 100-level or 15 points of PHYS at 100-level
PROD212-24S1 (C) **Semester 1**

PROD213 Industrial Product Design 1A
15 Points 0.1250 EFTS
Product Design 213 provides a detailed and systematic overview into the world of New Product Development. This course will require students to focus on engaging with a reflective-practice based mentality, while operating within a design-consultancy approach to working as a team. This course will provide opportunity for engaging with: creative research methods; target-market analysis; concept ideation; project management; concept evaluation; end-user engagement; teamwork collaboration; reflective and reflexive practice, and formalised presentations. Designers need to be able to respond to challenges with a creative and critical mindset, using appropriate design tools within a structured process to generate insight and drive innovation while working closely with others. Collaboration is therefore a large part of best practice in PROD213, leveraging the strengths of those around us to achieve greater results, while also being aware of our own limitations and capabilities.

P: One of PROD110, PROD112 or PROD101

PROD213-24S1 (C) **Semester 1**

PROD214 Industrial Product Design 1B
30 Points 0.2500 EFTS
The goal of this course is to concentrate on the combination of aesthetical (form) and practical (functional and technical) implementation of design projects, design being the embodiment of applied art & engineering combined. The students will be encouraged to work in small groups in a studio style atmosphere alternating between creative sessions, tutor guidance, peer reviews, presentations, design critiques, prototyping and assessments.

P: 1) PROD101 and 2) either PROD210 or PROD211

PROD214-24S2 (C) **Semester 2**

PROD221 Game Design in Context
15 Points 0.1250 EFTS
This course explores a wider view of games and society. Topics include: 1. Ethics, Social Issues, and Games: How are various segments of the population portrayed in games? Specific focus will be on the representation of women and minorities in games, discussions of violence in games, games addiction, and how design choices affect, and are affected by, society. 2. Applied Games: Games are primarily used for entertainment purposes. But many argue that they could and should also be used for other purposes where motivation is important, such as games for learning, games for training, games for health, and games for behaviour change. 3. Bi-culturalism in Games: Māori themes and motivations in games are important in the New Zealand context. How can game designers better support a Māori audience specifically, and various cultures more generally?

P: one of COSC101 or PROD121 or DIGI101

PROD221-24S1 (C) **Semester 1**

PROD222 Gaming Project Studio 1
30 Points 0.2500 EFTS
This course allows students to create substantial immersive experiences using techniques such as structured brainstorming, rapid prototyping (fail often, fail early), constructive critiquing, and iteration. Students will create several major works during the course, working in teams, formally presenting their ideas, and working with client constraints. Several technologies will be introduced, such as collaborative project management and tracking tools, code repositories, and presentation software.

P: 1) one of PROD101, PROD142 or SENG201; and 2) either PROD121 or PROD223

PROD222-24S2 (C) **Semester 2**

PROD223 Immersive Game Design
15 Points 0.1250 EFTS
This paper introduces students to the technologies and techniques used to create Virtual Reality (VR) and Augmented Reality (AR) experiences. Students will design and build games using VR and AR head-mounted displays, 6-degree-of-freedom motion controllers, depth cameras, and other leading-edge technologies, such as Arduino-controlled input and output. We will look at three main topics: 1. The Human Sensory Systems: What are the strengths and weaknesses of the main human senses of vision, audio, haptics (touch), smell and taste? 2. Multi-sensory Technologies: What technologies exist to deliver content to each of these senses? 3. Holistic Design: What are the design concerns when choosing an appropriate set of sensory "displays" for immersive experiences? Which types of cues are needed for a given user/task/environment combination?

P: PROD121 or COSC121 or COSC131

PROD223-24S1 (C) **Semester 1**

PROD224 Computation for Games
15 Points 0.1250 EFTS
This course introduces the fundamentals of mathematics, statistics, and algorithms for game development. The topics covered are an introduction to linear algebra, statistics for game balancing, and algorithms in computer games and computer graphics. The practical aspect of this course will teach the students how to apply the theoretical concepts in game development on one of the standard game engines.

P: PROD121, and recommended preparation: 15 points of MATH, EMTH or STAT courses
RP: 15 points of MATH, EMTH or STAT courses

PROD224-24S2 (C) **Semester 2**

PROD226 Special Topic: Narrative Design for Interactive Media
15 Points 0.1250 EFTS
This course provides a practical and theoretical introduction to storytelling and narrative design for applied games, entertainment games and related interactive media applications. From fictional worldbuilding, networked story structures and character and conversation design to social simulations and emergent narrative, students will explore different design patterns and approaches for delivering meaningful play experiences, while gaining experience with standard tools and technologies for constructing interactive narratives and simulations. Students will work individually on smaller design activities reflecting the specific tasks and problems commonly faced by narrative designers in the game industry as well as collaborating in a peer group with complementary skills to deliver a more fully-developed systemic worldbuilding and storytelling project.

P: Subject to the approval of the Head of School.
RP: PROD121 or PROD221 or COSC101/DIGI101 or 30 points from 200+ level arts courses

PROD226-23SU2 (C) **Summer (Nov 23)**

PROD229 Introduction to Game Audio
15 Points 0.1250 EFTS
Learn foundation skills in sound design and music for games. The course will survey current industry practices, and students will gain knowledge of a variety of approaches to audio creation, editing and integration into video games. No prior experience in music, sound, or game design is required.

P: 45 points from any courses.
R: MUSA229

PROD229-24S2 (C) **Semester 2**

PROD230 Product Properties and Processing
15 Points 0.1250 EFTS
The goal of this course is to provide students with an understanding of the physical elements relevant to processing of formulations. Students will learn systematic procedures, including drawing and labelling flowchart, for calculating the materials and energy required and key compositions during production. They will be able to use solubility behaviours and phase diagrams to determine the composition of the different parts of formulated products, such as oil and water phases in emulsions.

P: CHEM111 and any 15 points at 100 level from MATH or EMTH.
R: ENCH291

PROD230-24S1 (C) **Semester 1**

PROD231 Product Formulation 1
15 Points 0.1250 EFTS
Properties of solid and liquid formulations, including particle size and shape, granulation, agglomeration, tableting, solubility, viscosity, colloids and suspensions. Common components of formulations for chemical, biological, pharmaceutical, personal and healthcare products and their functionalities.

P: PROD131

PROD231-24S1 (C) **Semester 1**

PROD232 Natural Products Properties and Production
15 Points 0.1250 EFTS
Classes and sources of natural products, with an emphasis on extracted components such as microbial metabolites or essential oils from plants, are described and characterised. Cultural issues surrounding the ownership and use of native flora and fauna. The design, operation, performance and advantages/disadvantages of current production methods such as steam distillation and solvent extraction are described. Laboratory practical exercises in extraction and analysis of natural products.

P: PROD235 or CHEM112

PROD232-24S2 (C) **Semester 2**

PROD233 Chemical and Healthcare Product Formulation 1A
15 Points 0.1250 EFTS
Systematic specification of product characteristics in the context of desired functionality, consumer perception and behaviour. Tikanga Māori and other Indigenous protocols for inclusive partnership when working with native flora and fauna. Market research, product testing and assessment methods. Preliminary economic feasibility analysis. Fundamentals of toxicological and allergenic response testing.

P: CHEM111

PROD233-24S1 (C) **Semester 1**

PROD234 Chemical and Healthcare Product Formulation 1B
30 Points 0.2500 EFTS
Team-based product design project. Students will work in teams of 3 to 4 to choose a particular product, for which they will write specifications, and then design a production method and final formulation to meet these requirements. Product prototypes will be produced in the laboratory and tested to demonstrate that the specifications have been met. A preliminary marketing strategy will be devised.

P: PROD101 and PROD233

PROD234-24S2 (C) **Semester 2**

PROD241 Character Design
15 Points 0.1250 EFTS
In this course, students will learn about designing and developing multi-dimensional and engaging characters and creatures, ranging from animals to humans to completely alien, for games and other forms of media. The development of character begins with history, backstories and narratives, to provide context to a character's motives, behaviours and actions. This narrative leads to the design of the visual aesthetics of a character, from their physical forms and distinguishing characteristics, to how this impacts their dynamic movements and animation, and the clothes that they wear and the accessories that they use. Students will bring these characters to life in 2D and 3D, building on the tools and techniques they have learned in PROD142, and expanding into motion and movement through rigging, animation, and motion capture. Throughout the course, students will look at famous examples of character and creature design for Māori and other cultures in both modern media portrayals as well as history and mythology.

P: PROD142

PROD241-24S2 (C) **Semester 2**

PROD243 World Building
15 Points 0.1250 EFTS
From microscopic worlds to entire universes, ancient history to the far future, earth-like to fantastical alien worlds, the setting in which a story takes place in is as important as the characters who are described. In this course, students will learn about creating real and fictional worlds for games, considering aspects as diverse as geology, geography, plant and animal life forms, history, culture and religion. Students will learn about how to design a world which ties into the game design and story, and which fits and encourages different styles of play. Students will need to understand the technical limitations of the games they are working on, and how the worlds they build can meet those restrictions, but also help hide the limitations from the players. Students will learn how lighting and set dressing can be used to great advantage in increasing the immersiveness of worlds.

P: PROD142

PROD243-24S2 (C) **Semester 2**

PROD251 Human Centred Design Methods for Interactive Digital Products
15 Points 0.1250 EFTS
Students will gain experience with the foundations and principles of design commonly applied in the development of interactive digital products and services. Covers principles of usability and introduces qualitative user research methods to help students better understand the cognitive and psychological aspects of users' behaviours, needs, expectations, and motivations. Students will be able to compare and contrast the techniques and appropriate uses of widely used problem-solving frameworks and standards for imagining the future, including human-centred design, co-design, design thinking, and apply these techniques to solve design problems in context. Students will create a design system of components that provide a consistent user experience across a range of different devices and product scenarios.

P: PROD151

PROD251-24S1 (C) **Semester 1**

PROD311 Solid CAD
15 Points 0.1250 EFTS
The goal of this course is to provide students with an opportunity to develop their digital design skills and experience of digital manufacturing. Students will be introduced to digital methods for design creation, simulation, optimisation, and manufacture. Students will experience manufacturing capacities and design techniques used in industry, giving insight into the digital design processes they may employ in their future career.

P: Either (ENME201 and ENME221) or (PROD112 and PROD211)

PROD311-24S1 (C) **Semester 1**

PROD313 Industrial Product Design 2A
15 Points 0.1250 EFTS
The design process for successful transition from product concept through to final design.

P: PROD213

PROD313-24S1 (C) **Semester 1**

PROD314 Industrial Product Design 2B
30 Points 0.2500 EFTS
Capstone product design project. Students work in groups to devise and develop design ideas, build and test their design prototypes and evaluate performance. Ideally, projects will be devised in collaboration with an industry partner. A final report will include the design specifications, idea generation, prototyping and evaluation, recommended manufacturing methods and an economic analysis. The final project may form the basis of an entry to an approved internationally recognised student design competition such as the Warman Design and Build Competition (Australiasia) or the James Dyson Award (International).

P: PROD214

PROD314-23SU2 (C) **Summer (Nov 23)**
PROD314-24S2 (C) **Semester 2**

PROD321 Interactive Computer Graphics and Animation
15 Points 0.1250 EFTS
In this paper, students will learn about the technical aspects of how moving images are generated for use in video games. This includes topics such as geometric modeling, the rendering pipeline, the use of various texturing techniques, and programmable shaders. In addition, students will learn various techniques for making objects move, such as forward and inverse kinematics, behavioural animation, and physically-based animation.

P: PROD223

PROD321-24S1 (C) **Semester 1**

PROD322 Gaming Project Studio 2
30 Points 0.2500 EFTS
This paper will allow students to apply the techniques and strategies from the courses they have completed to deliver a well-designed, tested, and polished immersive experience applied to a real-world problem space. Projects range from games for health, to games for behaviour change, games for social justice, and games for education. Other applied areas of games are encouraged.

P: PROD222 and (PROD321 or PROD323)

PROD322-24S2 (C) **Semester 2**

PROD323 Game Engines and Artificial Intelligence
15 Points 0.1250 EFTS
In this paper, students will learn about game engine design through the use of existing engine source code. Students will extend existing functionality through the use of programming techniques. In addition, students will become comfortable designing and creating game-based artificial intelligence (AI) constructs.

P: PROD223

PROD323-24S1 (C) **Semester 1**

PROD331 Product Formulation 2
15 Points 0.1250 EFTS
Physical stability of formulated products such as suspensions, colloids, creams and lotions. Accelerated shelf-life testing methods. Microbial stability, safety and testing. Particulate flow, mixing and packing. Solids milling, conveying, pneumatic transport and bulk storage behaviour.

P: PROD231

PROD331-24S1 (C) **Semester 1**

PROD333 Chemical and Healthcare Product Formulation 2A
15 Points 0.1250 EFTS
Unit operations for producing formulated products such as lotions, gels, colloids and suspensions, tableted and particulate materials. Scale-up and operation. Process design, simulation and economic analysis for formulated product manufacture. Batch scheduling and recipe specification. Filling and packaging operations.

P: PROD233

PROD333-24S1 (C) **Semester 1**

PROD334 Chemical and Healthcare Product Formulation 2B
30 Points 0.2500 EFTS
Individual capstone product design project. Students will work individually to develop their own particular product line with a minimum of two products spanning at least two different formulations (ie. a liquid product and a powder, or a gel and a tablet, etc). Students will write specifications, and then design production methods and final formulations to meet these requirements. Product prototypes for these two products will be produced in the laboratory and proof-of-concept demonstrated, along with high-quality printed materials (packaging, labels, etc). A preliminary economic analysis and marketing strategy will be devised.

P: PROD234 and (PROD230 or ENCH291)

PROD334-24S2 (C) **Semester 2**

PROD386 Special Topic
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.

PROD386-24S2 (C) **Semester 2**

PROD387 Special Topic
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.

PROD387-24S1 (C) **Semester 1**
PROD387-24W (C) **Whole Year (S1 and S2)**
PROD387-24S2 (C) **Semester 2**

PROD388 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.

PROD388-24S1 (C) **Semester 1**
PROD388-24W (C) **Whole Year (S1 and S2)**
PROD388-24S2 (C) **Semester 2**

PROD389 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to the approval of the Head of School.
PROD389-24S1 (C) **Semester 1**
PROD389-24W (C) **Whole Year (S1 and S2)**
PROD389-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

INOV680 Product Innovation Project
90 Points 0.7500 EFTS
Students will carry out independent product/service innovation and development in their chosen area, mentored by an industrial supervisor and an experienced academic with expertise relevant to the topic.
P: Approval by the Director of the Centre for Entrepreneurship, based upon the student identifying an appropriate project mentor and supervisor.
RP: PROD601
INOV680-24A (C) **Starts Anytime**
Limited entry. See limitation of entry regulations.

PROD601 Design Critique and Research Methods
15 Points 0.1250 EFTS
Two main components of Research Methods and Design Critique are covered in this course. Research Methods will provide knowledge on the academic research endeavour, necessary for any postgraduate student; how to write a research proposal, define design problems and research methodologies - including kaupapa Māori perspectives on research methodology and processes. Design Critique will contribute to the development of critical enquiry and thinking into design. This part will provide a holistic approach in evaluation of designed products and services; from the aesthetic to the environmental point of view.
P: Approval of the Head of the School of Product Design
PROD601-24S1 (C) **Semester 1**

PROD602 Systems Thinking for Product Design
15 Points 0.1250 EFTS
Applied systems thinking for product and service design. Construction and analysis of linear and non-linear models of interconnected systems relevant to product design such as growth/decay, population dynamics, social media behaviours, urban dynamics, sensor-response feedback loops, supply and demand, pollution modelling, consumer and end-user behaviours.
P: Approval of the Head of the School of Product Design
PROD602-24S2 (C) **Semester 2**

PROD612 Bio-inspired design
15 Points 0.1250 EFTS
Form, function, and process-based inspiration from biology in design. Biomimetics, bionics and bio-inspired technology. Students will be required to study models, systems, and elements of nature for the purpose of solving complex human problems. Top-down and bottom-up design processed in bio-inspired design. Understand bio-inspired design and its relationship to Mātauranga Māori. Systematic identification of key aspects of biological design as found in living systems and organisms taken from scientific literature. Transfer of biological terms into technology based design requirements in fields including locomotion, air- and hydrodynamics, anti-fouling, architecture, adhesion, swarm intelligence and energy recovery. Students will be asked to study existing examples and develop their own individual design based on a specific living organism.
P: Approval of the Head of the School of Product Design
PROD612-24S2 (C) **Semester 2**

PROD614 Design Ethics
15 Points 0.1250 EFTS
This course intends to provoke thought and reflection over the role of the designer and their responsibilities. Literature on the subject of ethics, morality and responsibility in product design is reviewed and discussed and will include Māori and Indigenous perspectives. The key agents who possess responsibility in design are also explored. The content of this course serves a variety of important roles in the education of masters' level designers. Firstly the class will develop an understanding of the concepts of ethics in design in a practical sense, including how this impacts on Māori and Indigenous understandings, for those conducting design activities (and particularly design research activities); introducing the concepts of participant's informed consent and reasonable measures for ensuring compliance in a design project. Secondly, it will introduce students to the many aspects of ethical and moral debate within the contemporary product design industry, ranging from concerns related to sustainability and 'kaitiakitanga' to the idea of responsibility in design to the concept of "good works" in design. Lastly through the nature of the course and its assessment it will develop student's research competencies, communication and debating skills, all core skillsets in the contemporary designer's tool kit.
P: Approval of the Head of the School of Product Design
PROD614-24S2 (C) **Semester 2**

PROD622 Immersive Collaborative Play and Design
15 Points 0.1250 EFTS
Design thinking for immersive collaboration focusing on play and design applications in the contexts of both academic research and business. Learn and apply some aspects of kaupapa Māori methodology, human-centred design principle, rapid prototyping and digital prototyping for an immersive interactive experience. Explore different collaborative design processes, design cycle and integrate the immersive design tools. Apply research methods relevant for validating the interaction, experience, or product design to support immersive collaboration. Mini-hackathon for an iterative process of ideation, goal setting, market research, building, product pitching.
P: Approval of the Head of the School of Product Design
PROD622-24S2 (C) **Semester 2**

PROD690 Product Design Thesis
120 Points 1.0000 EFTS
Students will carry out independent research and advanced design practice in their chosen area, supervised by an experienced academic with expertise relevant to the topic.
P: Approval by the Head of School, based upon the student identifying an appropriate thesis supervisor.
PROD690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

PROD790 Product Design PhD
120 Points 1.0000 EFTS
Product Design PhD
P: Subject to approval of the Head of School and Dean of Postgraduate Research as per UC Regulations for Doctoral Studies
PROD790-24A (C) **Starts Anytime**
PROD790-24A (D) **Starts Anytime**

Professional Accounting

Business Taught Masters Programme

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

MBAZ601 Accounting for Managers
15 Points 0.1250 EFTS
The generation, analysis and interpretation of financial statements as well as the use of financial information for internal and external decision-making.
MBAZ601-24S1 (C) **Semester 1**
MBAZ601-24S2 (C) **Semester 2**

MBAZ602 Business Economics
15 Points 0.1250 EFTS
This course introduces and applies economic principles, concepts and ways of thinking. The focus is on using the lens of economics to view the world. By doing this we gain insight and understanding into people, organisations and issues that matter to society.
R: Any 15 points in ECON at 300-level or above.
MBAZ602-24S1 (C) **Semester 1**
MBAZ602-24S2 (C) **Semester 2**

MBAZ603 Managerial Finance
15 Points 0.1250 EFTS
The application of financial techniques, tools and principles needed to assess the performance of projects and organisations and consider the economic viability of their ongoing success. A consideration of financial risk management and the process required to minimize such risks in different organisational settings.
R: FINC201; MBAM615
MBAZ603-24S1 (C) **Semester 1**
MBAZ603-24S2 (C) **Semester 2**

MBAZ604 Business Research Methods
15 Points 0.1250 EFTS
Business research methods including statistical and qualitative approaches are introduced. Students will develop the knowledge and skills required to undertake academic and professional research in the field of business.
MBAZ604-24S1 (C) **Semester 1**

MBAZ605 Business Law
15 Points 0.1250 EFTS
Covering business law structures and regulations this course provides students with the insight, understanding and practical skills to develop strategic direction and solve business problems while effectively adhering to legal requirements.

R: ACCT252, ACCT256, LAWS203 & LAWS206

MBAZ605-24S1 (C) **Semester 1**
MBAZ605-24S2 (C) **Semester 2**

MBAZ680 Consultancy Project
45 Points 0.3750 EFTS
Provide advanced analytical, theoretical and practically applied business insight and competencies in the areas relevant to the learning objective of the programme.

P: Subject to the approval of the Programme Director

MBAZ680-24A (C) **Starts Anytime**
MBAZ680-24S1 (C) **Semester 1**
MBAZ680-24S2 (C) **Semester 2**

MBAZ681 Placement
45 Points 0.3750 EFTS
Exposure to challenges faced by organisation through experiential learning. This will reinforce and develop knowledge from other MBM or MPA courses by providing students with the opportunity to apply theories to practice. It will also further develop students' communication skills.

P: Subject to the approval of the Programme Director

MBAZ681-24S1 (C) **Semester 1**
MBAZ681-24S2 (C) **Semester 2**

MPAC601 Professional Accounting Principles
15 Points 0.1250 EFTS
Examines two main areas of professional accountancy, including double entry bookkeeping and law for professional accountants. The course develops the key principles required for those looking to advance through the MPA qualification.

C: MBAZ601

MPAC601-24S2 (C) **Semester 2**

MPAC602 Advanced Professional Accounting Principles
15 Points 0.1250 EFTS
Examines two main areas of advanced professional accountancy, including advanced financial reporting standard analysis and review and financial risk management. The course develops the advanced principles required for those looking to progress through the MPA qualification.

R: ACCT211

MPAC602-24S1 (C) **Semester 1**

MPAC603 Advanced Management Accounting
15 Points 0.1250 EFTS
To prepare and critically evaluate management accounting information for planning, budgeting, costing, controlling and decision-making by applying contemporary theory, research and practice.

P: MBAZ601
R: ACCT332

MPAC603-24S2 (C) **Semester 2**

MPAC604 Advanced Financial Accounting
15 Points 0.1250 EFTS
A consideration of the regulatory environment for financial reporting in New Zealand and internationally, discusses the theoretical and applied principles, current financial reporting standards underlying accounting practice and looks at contemporary developments in financial reporting.

P: MPAC601
R: ACCT312

MPAC604-24S2 (C) **Semester 2**

MPAC605 Taxation
15 Points 0.1250 EFTS
Covers concepts of the taxation system and its administration in New Zealand. Creating the ability to critically analyse, manage and apply taxation requirements within a professional accounting career.

P: MBAZ605
R: ACCT254; ACCT358

MPAC605-24S1 (C) **Semester 1**

MPAC608 Auditing
15 Points 0.1250 EFTS
Covering the nature and purpose of auditing and the regulatory and professional environment in which it operates. Developing a critical understanding of the auditing process and selected contemporary research issues in auditing.

P: MPAC601
R: ACCT346

MPAC608-24S1 (C) **Semester 1**

MPAC623 Applied Research in Management Accounting
15 Points 0.1250 EFTS
This course will draw on a range of economic, management, psychological and sociological theories of human and organisational behaviour to investigate the design and use of management accounting practices and systems. External and internal factors (e.g., technological change) and the impact on human and organisational behaviour as well as organisational outcomes will be researched.

P: (1) MPAC603; (2) MBAZ604
R: ACCT623

MPAC623-24S2 (C) **Semester 2**

MPAC624 Applied Research in Corporate Governance
15 Points 0.1250 EFTS
This course will explore several issues around corporate governance. Students will need to draw on a range of theories as they learn about and critique research on corporate governance, and trends in corporate governance regulations and practices. Ultimately, the aim of the course is to provide students with a framework that they can then apply as they undertake a project on corporate governance.

P: (1) 30 points from MPAC601, MPAC602, MPAC603, MFIN603; (2) MBAZ604
R: ACCT624, FINC650

MPAC624-24S2 (C) **Semester 2**

MPAC626 Applied Research in Taxation Compliance
15 Points 0.1250 EFTS
MPAC626 is a critical examination of advanced aspects of taxation theory, law, and practice from a tax compliance perspective with a focus on undertaking applied research. The course draws upon theories and research techniques from accounting and other disciplines, including economics, law, psychology, and sociology. It focuses primarily upon journal articles, books and other research papers which are primarily from Australasia, North America, and Europe.

P: (1) 45 points from MPAC601, MPAC602, MPAC603, MPAC604, MPAC605, MPAC608; (2) MBAZ604
R: ACCT626

MPAC626-24S1 (C) **Semester 1**

MPAC648 Methodological and Empirical Aspect of Financial Accounting Research
15 Points 0.1250 EFTS
MPAC648 focuses on the analysis of a selected range of contemporary issues in financial accounting: capital markets research, equity valuation, bankruptcy prediction and statistical activity cost analysis. The focus is holistic meaning we consider the theoretical backing of research questions and discuss suitable methodologies so that logical and scientifically consistent arguments and solutions can be presented.

P: (1) MPAC604; (2) MBAZ604
R: ACCT648

MPAC648-24S1 (C) **Semester 1**

MPAC658 Applied Research in Auditing
15 Points 0.1250 EFTS
This course will apply advanced theories and concepts from the field of auditing to a research question. The research question will be of practical application to professional practice in auditing. Students will explain and critique trends in auditing concepts and practice.

P: (1) MPAC608; (2) MBAZ604
R: ACCT658

MPAC658-24S1 (C) **Semester 1**

Professional and Community Engagement

School of Humanities

PACE225 Workplace Skills and Corporate Social Responsibility
15 Points 0.1250 EFTS
As a student, you will be given the opportunity to work with a business to formulate a project proposal that furthers its corporate social responsibility objectives through community engagement. Making a difference to a community as well as to your own career and workplace skills development are key objectives of this course. The course is open to students from all disciplines.

P: Any 60 points at any level from any subject.

PACE225-24S1 (C) **Semester 1**

PACE295 Internship
15 Points 0.1250 EFTS
An opportunity to apply the skills you are acquiring through your academic study to a project designed by a local company or community group in New Zealand, or internationally.

P: Any 90 points at any level from any subject, special application and interview, and permission of the Internship Director.
R: ARTS295
RP: PACE 195 - Professional and Community Engagement

PACE295-23SU2 (C) **Summer (Nov 23)**
PACE295-24A (C) **Starts Anytime**
PACE295-24S1 (C) **Semester 1**
PACE295-24S2 (C) **Semester 2**

PACE335 Independent Course of Study: EU Diplomacy and Policy Engagement
30 Points 0.2500 EFTS
P: 150 points, special application and interview, and permission of the Internship Director.
R: ARTS395, PACE335

PACE335-23SU2 (C) **Summer (Nov 23)**

Limited entry. See limitation of entry regulations. A student will be selected for a specific project. Only students accepted for projects will be allowed into the course. Please go to http://www.arts.canterbury.ac.nz/internships for more information.

PACE350 Special Topic: Professional and Community Engagement International Internship
30 Points 0.2500 EFTS
The Professional and Community Engagement (PACE) international internship course provides an opportunity for practical application of disciplinary theory, skills, and knowledge prior to and during your international internship experience. This course is open to students who have already secured their internship placement and to students who are seeking an international placement. Availability of placements, associated travel and accommodation costs, and student support whilst on international work placement will vary. Half of this course will take place in the classroom and half the course takes place in the international workplace where you can put that knowledge to use. Course Aims: - To develop an ability to evaluate the relationship between discipline knowledge as it applies to an international workplace. - To build understanding of multicultural perspectives and ways of being, including but not limited to Māori and Pacific perspective. - To build employability competencies that are reflective of international industry standards. In PACE350, you will: - Spend a designated period abroad working on a project for an international business or a community organisation. - Carry out ongoing personal and professional development assignments. - Conduct a project that links your disciplinary knowledge to the knowledge acquired through your international internship practice. - Present and share your experiences with the other students in your cohort.

P: Students must have completed at least 60 points of their 200-level major requirements.

PACE350-23SU2 (C) **Summer (Nov 23)**

PACE395 Internship
30 Points 0.2500 EFTS
What can you do with your major? With your degree? The purpose of the internship course is to explore both the ideological and practical assumptions guiding this question. The course is designed to be a critical, theoretical and "real-world" examination of the practices and ideologies inherent in both community and business organisations. You will apply the analytical skills acquired through your major, and through class seminars and readings, to a project designed by a local company or community group. Please check out the website for further information and specific project descriptions: www.arts.canterbury.ac.nz/internships

P: 150 points, special application and interview, and permission of the Internship Director.
R: ARTS395
EQ: ARTS395

PACE395-23SU2 (C) **Summer (Nov 23)**
PACE395-24A (C) **Starts Anytime**
PACE395-24S1 (C) **Semester 1**
PACE395-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations. A student will be selected for a specific project. Only students accepted for projects will be allowed into the course. Please go to http://www.arts.canterbury.ac.nz/internships for more information.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

PACE495 Professional and Community Engagement Internship
30 Points 0.2500 EFTS
A professional internship placement.

P: Special application and interview, and permission of the Internship Director.
R: ARTS495
EQ: ARTS495

PACE495-24A (C) **Starts Anytime**
PACE495-24W (C) **Whole Year (S1 and S2)**
PACE495-24S1 (C) **Semester 1**
PACE495-24S2 (C) **Semester 2**

Psychology

Te Kura Mahi ā-Hirikapo | School of Psychology, Speech and Hearing

There are a number of changes and new course offerings for Psychology for 2024, some relating to our compulsory requirements for PG study and beyond. Please note that the information shown is not accurate. For an accurate and up-to-date list of courses currently offered, please see Psychology | Subjects | University of Canterbury | University of Canterbury or contact the School of Psychology, Speech & Hearing directly.

PSYC105 Introductory Psychology - Brain, Behaviour and Cognition
15 Points 0.1250 EFTS
An introduction to the brain and its role in thought and behaviour, and to perception, learning and cognition.

R: PSYC103, PSYC104

PSYC105-23SU2 (D) **Summer (Nov 23)**

PSYC106 Introductory Psychology - Social, Personality and Developmental
15 Points 0.1250 EFTS
Psychology is a diverse and thriving science devoted to understanding behaviour and the human mind. In PSYC106 you will receive an introduction to five major domains: personality, abnormal, social, developmental, and organisational psychology. You will also learn about the different research methods used in each of these domains.

R: PSYC103, PSYC104

PSYC106-24SU1 (D) **Summer (Jan 24)**
PSYC106-24S2 (C) **Semester 2**
PSYC106-24S2 (D) **Semester 2**

PSYC107 Foundations of Psychological Science
15 Points 0.1250 EFTS
Approaches to understanding the nature of human thought and behaviour have permeated societies and cultures throughout history. Psychology as a scientific discipline, however, emerged just in the last 200 years or so. Over this relatively short time period, psychologists have gained substantial insight into what drives our mental lives and shapes our social interactions, and have made possible vast improvements in the quality of life of millions of people. This course delves into the ideas and methods that have allowed all of this to happen. We'll take a holistic and critical look at the science of psychology itself: its questions, methods, evidence, and unique challenges; as well as its place within modern Aotearoa New Zealand society. You'll learn how psychologists measure a world of unobservable mental traits, devise experiments that reveal the underlying organisation and mechanisms of the mind, and convert raw data into real world conclusions that have a meaningful impact on people's lives. You'll build the critical thinking skills to distinguish good psychological science from bad, genuine breakthroughs from glorified clickbait, and evidence-based interventions from scams and grifts. Upon these foundations you'll be able to build with confidence the pathway of your choosing through the psychological sciences (and beyond).

PSYC107-24S2 (C) **Semester 2**
PSYC107-24S2 (D) **Semester 2**

PSYC206 Introductory Research Methods and Statistics
15 Points 0.1250 EFTS
This course is an introduction to the theory and application of research design and statistics in psychology. For psychological science, understanding good research design and how to interpret statistical results are key for making rational decisions on the basis of research and data. The course will emphasise the concepts of valid and reliable research, research ethics, and the interpretation of statistical results using real-life examples from the psychological literature. An important theme is that anyone can learn statistics - no math beyond basic algebra is required and you are not required to hand-calculate the statistical outputs. Instead, the focus of the statistical content of the course will be on interpreting outputs from software such as MS Excel and jamovi. This course is a prerequisite to advancing in psychology beyond PSYC 200-level.

P: At least 15 points in 100-level Psychology and at least 45 points overall

PSYC206-23SU2 (D) **Summer (Nov 23)**
PSYC206-24S1 (C) **Semester 1**
PSYC206-24S1 (D) **Semester 1**

PSYC207 Developmental Psychology
15 Points 0.1250 EFTS
This course will examine human development from conception to late adolescence, and will cover neuropsychological, cognitive, biological, behavioural and socio-emotional development. Emphasis will be given to major theoretical influences that have shaped current thinking about child and adolescent development, as well as research methods and techniques that are used to study development. Key developmental issues will be considered in relation to both typical and atypical patterns of development.

P: PSYC105 and PSYC106

PSYC207-24S2 (C) **Semester 2**
PSYC207-24S2 (D) **Semester 2**

PSYC208 Cognition
15 Points 0.1250 EFTS
This is an introductory course in cognitive psychology: the science of how the mind and brain are organised to produce intelligent human thought processes. Topics include visual cognition, attention, memory, problem solving and expertise, reasoning and decision making, and language comprehension.

P: PSYC105 and PSYC106, or with the approval of the Head of School, a pass in a professional year of Engineering, or in approved courses in Computer Science, Linguistics, or Philosophy

PSYC208-24S2 (C) **Semester 2**

PSYC209 Sensation and Perception
15 Points 0.1250 EFTS
A broad overview of sensation and perception. The goal is to develop both an understanding of the field and an interest in pursuing some aspects of it in the future. The emphasis will be on visual perception but perception in other senses will also be covered briefly. There is a laboratory component that will let you experience some of the classic phenomena in the discipline for yourself.

P: PSYC105 and PSYC106, or with the approval of the Head of School, a pass in a professional year of Engineering, or in approved courses in Art, Art History, or Computer Science

PSYC209-24S1 (C) **Semester 1**
PSYC209-24S1 (D) **Semester 1**

PSYC211 Personality
15 Points 0.1250 EFTS
This course provides an introduction to classic and contemporary theory and research in personality psychology. Lectures and readings will cover a variety of perspectives on personality, such as: psychoanalytic, genetic and evolutionary, cultural, biological, humanistic, trait and behavioural. In the laboratory sessions, students will take various personality assessment instruments and participate in experiments to gain first-hand insight into cutting-edge personality research. PSYC211 is recommended preparation for PSYC335 Introduction to Clinical Psychology, and PSYC336 Industrial & Organisational Psychology.

P: PSYC105 and PSYC106

PSYC211-24S2 (C) **Semester 2**
PSYC211-24S2 (D) **Semester 2**

PSYC213 Introduction to Social Psychology
15 Points 0.1250 EFTS
Social Psychology is the scientific study of how our thoughts, feelings, and behaviours are influenced by the real, imagined, or implied presence of others. This course provides a broad overview of topics in social psychology. The lectures will cover a range of topics illustrating the impact of social context on the individual by focusing on topics such as the self-concept, social perception, intergroup bias, attitudes and persuasion, social influence, group processes, close relationships, prosocial behaviour and aggression. The course also contains a laboratory component in which students work in small groups conducting social psychology research projects.

P: PSYC105 and PSYC106
R: PSYC332

PSYC213-24S1 (C) **Semester 1**

PSYC214 The Science and Practice of Wellbeing
15 Points 0.1250 EFTS
The Science and Practice of Wellbeing will introduce you to the psychological science and practice of wellbeing. It will draw on psychological theory, research evidence, and practical techniques to help you understand the factors that create flourishing individuals, communities, and societies. Psychological models of wellbeing will be introduced and critically evaluated. The course will teach about empirically validated holistic methods of improving mental wellbeing. This course will provide you with an understanding of current theoretical models and research evidence regarding the factors that promote the capacity for people to thrive. This course diverts from a more traditional focus on illness to one on health, from what causes us to experience distress and suffering to what protects us against distress and assists with flourishing, and from a focus on eliminating problems to cultivating strengths.

P: PSYC105 and PSYC106; or 60 points at 100 level from any subject.

PSYC214-24S1 (C) **Semester 1**
PSYC214-24S1 (D) **Semester 1**

PSYC216 Psychology and Law
15 Points 0.1250 EFTS
This course is a broad overview of the intersection between psychology and the law, with a focus on how psychological scientific principles can be applied to real-world issues in the criminal justice system. This course draws on contemporary research in cognition, perception and behaviour to explore topics within the legal system, such as offending, risk assessment, eyewitness memory, detection of deception, false confessions, forensic science decision-making, jury deliberation, and mental health and crime.

P: PSYC105 and PSYC106

PSYC216-24S2 (C) **Semester 2**
PSYC216-24S2 (D) **Semester 2**

PSYC330 Forensic Psychology
15 Points 0.1250 EFTS
This course is an introduction to the theory and practice of forensic psychology, including the potential role of Psychology graduates in the criminal justice system. There will be a particular emphasis on the contribution that psychological inquiry and practice can make in efforts to: - Understand the causes of antisocial behavior, including developmental processes - Develop and evaluate effective psychological interventions for antisocial behaviour - Predict who is likely to reoffend - Detect and investigate crime - Understand the "process" or "cycle" of offending in the lives of repeat offenders There is a laboratory component that will give you an understanding of how the theoretical components of the course are applied in real-world settings. Some of these labs will be delivered by guest lecturers working on the "frontline" of these efforts to reduce the harm cause by antisocial behaviour in New Zealand.

P: PSYC206 or 60 points at 200 level from Schedules C or E of the Bachelor of Criminal Justice.

PSYC330-24S1 (C) **Semester 1**
PSYC330-24S1 (D) **Semester 1**

PSYC336 Industrial and Organisational Psychology
15 Points 0.1250 EFTS
This course provides an introduction to the field of Industrial Organisational Psychology (I/O Psychology). It will examine the applications of psychological theory and research to the workplace, in particular the contribution of I/O Psychology to enhanced organizational performance and improved employee attitudes. It is a prerequisite for entry into the postgraduate programme in Industrial/Organizational Psychology.

P: PSYC206.
RP: PSYC211, 15 further points from PSYC200

PSYC336-24S2 (C) **Semester 2**
PSYC336-24S2 (D) **Semester 2**

PSYC340 Cognitive Psychology
15 Points 0.1250 EFTS
The objective of this course is to extend basic knowledge of the content, theory, and methods of cognitive psychology gained in PSYC208 Cognition (or other cognitive courses). Designed to prepare students for post-graduate study. Above average achievement in PSYC208 Cognition or an equivalent course is strongly recommended as preparation for this course.

P: PSYC208
EQ: PSYC416

PSYC340-24S2 (C) **Semester 2**

PSYC341 Environmental Psychology
15 Points 0.1250 EFTS
Theories and principles from across psychology are presented to explain the causes of environmentally destructive behaviour, and generate solutions for a sustainable future. This course will teach you principles of behaviour change, and how you can apply them in your home, workplace, and community. PSYC341 is designed to be practical and engaging. It includes weekly online exercises and discussions, and an applied behaviour change project.

P: Any 120 points at 100 level from any subject.
RP: PSYC105/PSYC106 or ENVR101

PSYC341-24S2 (C) **Semester 2**
PSYC341-24S2 (D) **Semester 2**

PSYC344 Intermediate Research Methods and Statistics
30 Points 0.2500 EFTS
This intermediate course in research methods and statistics will guide you through the key steps of conducting psychological research that ultimately benefits and influences society. The lectures will cover a selection of topics on designing a project with consideration of research ethics, analysing and interpreting psychology data with rigour, and disseminating research findings for impact. The laboratory classes and assessments provide further experience in designing psychological research and writing up research in standard APA-style format

P: PSYC206

PSYC344-23SU2 (D) **Summer (Nov 23)**

PSYC373 Neuroscience and Neurological Disorders
15 Points 0.1250 EFTS
This course will examine neural systems in the brain with a view to understanding the neurobiological, psychiatric and cognitive bases of a selected number of human neurological conditions. The topics may vary from year to year but will include memory and related systems in the brain, as well as neurodegenerative conditions such as multiple sclerosis, Parkinson's disease, and different dementias including Alzheimer's disease. Neurodevelopmental changes and related issues, for example foetal alcohol effects, may also be considered. Some understanding of neuroscience methods will be included, especially brain imaging and neuropsychopharmacology.

P: PSYC105, PSYC206 and PSYC215
R: PSYC333

PSYC373-24S1 (C) **Semester 1**

PSYC374 Health Psychology
15 Points 0.1250 EFTS
Health psychology is a rapidly emerging field of basic and applied research looking at the interplay between psychological processes and physical health. Health psychology seeks to

understand the role behaviour plays in the development, treatment and prevention of disease. This paper provides an introduction to health psychology. Topics include: health behaviour change, community health promotion, biopsychosocial pathways of health and illness, stress and coping, psychological aspects of illness, patient care and chronic disease management.

P: PSYC206
R: PSYC339

PSYC374-24S1 (C) **Semester 1**

PSYC375 Intermediate Research Methods and Statistics

15 Points 0.1250 EFTS

This intermediate course in research methods and statistics will guide you through the key steps of conducting psychological research that ultimately benefits and influences society. The lectures will cover a selection of topics on designing a project with consideration of research ethics, analysing and interpreting psychology data with rigour, and disseminating research findings for impact. The laboratory classes and assessments provide further experience in designing and conducting psychological research, and writing up research in standard APA-style format.

P: PSYC206
R: PSYC344

PSYC375-24S2 (C) **Semester 2**
PSYC375-24S2 (D) **Semester 2**

PSYC380 Developmental Psychopathology

15 Points 0.1250 EFTS

This course is designed to be an in-depth examination of psychological development and the developmental processes (normal and abnormal) that contribute to and protect against the expression of psychopathology in children and adolescents. Key developmental issues will be considered in relation to both typical and atypical patterns of development. The course will be presented by way of lectures, lab work, video clips, and selected readings.

P: P: PSYC206
R: PSYC335
RP: RP: PSYC207

PSYC380-24S2 (C) **Semester 2**
PSYC380-24S2 (D) **Semester 2**

PSYC408 Special Topic: Advanced Topics in Environmental Psychology

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

PSYC408-24S2 (C) **Semester 2**

PSYC409 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

PSYC409-24S2 (C) **Semester 2**

PSYC416 Cognitive Psychology

15 Points 0.1250 EFTS

The objectives of this course are to extend the knowledge of cognitive psychology and its content, theory and methods by discussing recent developments, by close study of classic work, and by considering the application of cognitive psychology to topical community issues. Designed to prepare students for more advanced post-graduate study. Above average achievement in PSYC208 Cognition or an equivalent course is strongly recommended as preparation for this course.

P: PSYC208; or subject to the approval of the Head of School.
R: PSYC340, PHIL476
EQ: PSYC340

PSYC416-24S2 (C) **Semester 2**

PSYC441 Special Topic: Forensic Psychology

15 Points 0.1250 EFTS

PSYC441-24S1 (C) **Semester 1**

PSYC442 Clinical Practice Guidelines and Introduction to Cognitive Behaviour Assessment

30 Points 0.2500 EFTS

PSYC442 is the first course in the Postgraduate Diploma in CBT- an introduction to the practice and ethics of cognitive behaviour therapy (CBT) for people with mental health and addiction problems. Teaching about CBT assessment is informed by the Hui and Powhiri processes using Māori concepts to facilitate engagement with both Māori and non-Māori and supported by bicultural practice and te Tiriti o Waitangi. The course focuses on assessing common mental health problems - depression, anxiety, and alcohol and substance use problems - including functional analysis of these problem behaviours and understanding the psychological mechanisms maintaining them. Students will learn to develop CBT formulations of client problems in preparation for planning CBT treatment.

P: Subject to the approval of the Programme Director.

PSYC442-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

PSYC443 Cognitive Behaviour Therapy Case Conceptualisation and Intervention

30 Points 0.2500 EFTS

PSYC443 is the second course in the Postgraduate Diploma in CBT and teaches cognitive-behavioural and bicultural interventions for common mental health disorders - depression, anxiety and alcohol and substance use problems. Following from PSYC442, students will learn to use cognitive and behavioural interventions derived from CBT formulations of client problems, including engagement strategies for working with Māori and other client groups.

P: Subject to the approval of the Programme Director.

PSYC443-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

PSYC446 Frontiers of Cognitive Behaviour Therapy I

30 Points 0.2500 EFTS

PSYC446 is one of two advanced courses in the Postgraduate Diploma in CBT that provide further opportunity to develop skills in cognitive behaviour therapy (CBT) assessment and formulation, with a focus on advanced cognitive behavioural assessment, formulation, and intervention skills. Students will gain critical appraisal skills about process issues and enhancing motivation in cognitive behavioural treatment (CBT). Continued emphasis on bicultural practice is a focus of this course, along with increasing skills in working with Pasifika peoples. The course includes CBT for working with children and adolescents and with groups. A focus of the course is working with clients with more complex presentations when comorbid mental health disorders are present and using a trauma-informed approach.

P: Subject to the approval of the Programme Director.

PSYC446-24W (C) **Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

PSYC451 Human Factors - Psychology

15 Points 0.1250 EFTS

This course explores issues as it examines the science behind why, and how, people think about, experience, and engage with the 'artificial' or human-made world. Students will learn about the specific human factors (cognitive, emotional, social and physical) that shape our behaviour - with everything from consumer products to bleeding-edge technologies to the design of workplaces, healthcare, equipment, software, and even AI. Along the way, students will develop foundational knowledge for researching and applying psychological science to a wide range of products and environment As - both physical and digital - and in ways that serve human beings more effectively and safely.

P: Subject to approval of the Head of Department.

PSYC451-24S2 (D) **Semester 2**

PSYC457 Behavioural Interventions

15 Points 0.1250 EFTS

Problem-solving interventions across the life-span at the individual, family and community level using behaviour analysis principles.

P: Subject to approval of the Head of Department.

PSYC457-24S2 (C) **Semester 2**

PSYC458 Research in Visual Attention and Perceptual Neuropsychology

15 Points 0.1250 EFTS

This course is designed to provide a relatively in-depth understanding of current research in selected topics of visual attention and perceptual neuropsychology, to practise science writing for the general public, and to develop and interest in pursuing research in some aspects of vision science in the future.

P: PSYC208 or PSYC209, or subject to approval by the Head of School

PSYC458-24S2 (C) **Semester 2**

PSYC460 Advanced Research Methods and Statistics

15 Points 0.1250 EFTS

Postgraduate course in statistics and research methods.

P: Subject to approval of the Head of School
R: PSYC601

PSYC460-24S1 (C) **Semester 1**

PSYC468 Moral Psychology

15 Points 0.1250 EFTS

This course will introduce postgraduate students to the psychology of morality. Topics will include methods and approaches, tolerance of political differences, reasoning about morality, character and reputation, morality in the economy, judging intentions, free will, evolution and cultural approaches, and moral diversity.

R: PHIL499
RP: PSYC211 Personality Psychology
EQ: PHIL499

PSYC468-24S1 (C) **Semester 1**

PSYC470 Research Project
30 Points 0.2500 EFTS
The Research Project is a compulsory component of the BSc(Hons) degree and may be included as one of the courses for the BA(Hons) degree and PGDipSci and Part I of a Masters degree. The project requires the completion of a research project where the work is performed under the close direction of a designated supervisor. Intending project students may discuss ideas in the first instance with the 400-level Coordinator.

P: Subject to approval of the Head of School

PSYC470-24W (C) **Whole Year (S1 and S2)**

PSYC470-24CY (C) **Cross Year**

Limited entry. See limitation of entry regulations.

PSYC471 Special Topic:
15 Points 0.1250 EFTS
Information available from HoD / PSYC400 Course Coordinator in Psychology

P: Subject to approval of the Head of Department

PSYC471-24S2 (C) **Semester 2**

PSYC478 Advanced Abnormal Psychology: Professional Practice
15 Points 0.1250 EFTS
An in-depth examination of abnormal psychology with a focus on the dimensional processes that contribute to and protect against the expression of psychopathology in children and adolescents. Developmental issues will be considered in relation to atypical patterns of development. Core components of the course will focus on clinical interviewing and psychological assessment. The course will be presented by way of lectures, class work, video clips and selected readings. There will be an emphasis on in-class activities and informed class discussion. This course is strongly recommended for individuals interested in pursuing careers as a mental health practitioner.

P: Students should have completed PSYC207 or EDUC102, PSYC335, or received Head of School approval prior to enrolling in this course
R: CFPY602

PSYC478-24S2 (C) **Semester 2**

PSYC480 Special Topic: Computational Contemplative-Neuroscience
15 Points 0.1250 EFTS
This course is highly interdisciplinary and provides students with competency in applying computational neuroscience techniques in researching and understanding concepts in contemplative neurosciences. Contemplative neurosciences are an emerging field of enquiry that focus on the changes within the mind, brain, and body as a result of contemplative practices, or more broadly practises that provide an experience of self-transcendence; these include practice of mindfulness-based meditation, contemplative walking, or yoga. The course is interdisciplinary with a wide ranging learning objectives, from designing experiments to obtaining EEG data from subjects engaged in a contemplative activity, to EEG data analysis, and dissemination of findings. Study modes in this course include, reading and analysing primary literature, completion of an independent research project that further develops research and computational skills, and articulation of research findings in oral format by giving a class group presentation.

P: Subject to approval of the Head of School. Recommended preparation: Bachelors of Science (Psychology), Bachelor of Arts (Psychology), Bachelor of Data Science, or Bachelor of Health Sciences
RP: Bachelors of Science (Psychology), Bachelor of Arts (Psychology), Bachelor of Data Science, or Bachelor of Health Sciences

PSYC480-24S1 (C) **Semester 1**

PSYC481 Research in Human and Animal Neuropsychology
15 Points 0.1250 EFTS
This course provides a contemporary understanding of the neuroscience research associated with a selection of common neurological conditions. Specific topics may vary from year to year, but usually include evidence relevant to Alzheimer's disease, Parkinson's disease, multiple sclerosis, acute adult and developmental brain injuries. The course addresses both human research and relevant animal neuroscience research. Information on risk factors and treatments, including environmental influences, is also considered.

P: Subject to approval of the Head of School
R: PSYC404

PSYC481-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

APSY622 The Psychology of Leadership in Organisations
15 Points 0.1250 EFTS
The main objective of this course is to familiarise the students with the content domain of Leadership in organisations. A historic overview of the main Leadership theories is provided and integrated with contemporary research. These theories are also discussed in relation to their application to current challenges and as opportunities for leaders and employees to engage with leadership development.

P: Entry is subject to Head of School approval
R: APSY614

APSY622-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

APSY623 The Psychology of Motivation in Organisations
15 Points 0.1250 EFTS
The main objective of this course is to familiarise the students with the content domain of Motivation in organisations. A historic overview of the main Motivation theories is provided and integrated with contemporary research. These theories are also discussed in relation to their application to current organisational challenges, such as ensuring worker engagement, sense of purpose, and identity at work in both traditional and emerging ways of organising.

P: Subject to approval of the Head of Department.
R: APSY614

APSY623-24S2 (C) **Semester 2**

OPSY612 Performance Management and Appraisal
15 Points 0.1250 EFTS
This course will focus on the theory and application of performance management research. This will include the development of performance management systems in organisations. Topics include criterion theory and development, performance appraisal methods, feedback, job evaluation and reward systems.

P: Prior bachelor's degree
R: APSY612

OPSY612-24X1 (O)

OPSY613 Training and Development
15 Points 0.1250 EFTS
Training is a systematic method of learning new skills, rules, concepts, or attitudes that can result in an improvement in performance. This course will consider training and development in the context of employees in workplaces. Content will cover the theories, research, and practices behind how to design and execute a training programme responsive to learners' needs, how to optimise the likelihood of training transfer into the workplace context, and how to critically evaluate a training programme.

P: Prior bachelor's degree
R: APSY613

OPSY613-24X1 (O)

OPSY614 Leadership in Organisations
15 Points 0.1250 EFTS
This course focuses on the domain and scope of leadership in organisations. Classic and contemporary theories and research are outlined and discussed, highlighting their contributions and limitations in occupational settings. The topics include trait and behavioural theories, values-based leadership frameworks, and their implications to organisational dynamics and success.

P: Prior bachelor's degree
R: APSY614

OPSY614-24X1 (O)

OPSY618 Organisational change: Directions for organisational psychology practice
15 Points 0.1250 EFTS
This course considers the frameworks and research (e.g., leadership, motivation, training, and individual differences) that inform organisational change planning and implementation. Learners will develop knowledge and competencies to: a) critically analyse organisational change practices, b) identify challenges faced by change leaders and employees, and c) facilitate organisational change implementation. Topics covered include psychological mechanisms of change resistance and readiness, change leadership, and training for changing organisations.

P: Prior bachelor's degree
R: APSY618

OPSY618-24X1 (O)

OPSY619 Psychology of Stress, Health and Wellbeing at Work
15 Points 0.1250 EFTS
This course focuses on stress, health, and wellbeing at work. The course will provide an overview of recent research on how to create psychologically healthy workplaces. It provides learners with a framework for analysing how stress, health, and wellbeing at work impact on individuals and organisations. The course also focuses on how organisational psychology can contribute to solving problems related to stress, health, and wellbeing at work. Critical thinking, relating theory to practice, and relating new concepts to old theories, as well as critical reflection and discussion, both oral and written, will be emphasised.

P: Prior bachelor's degree
R: APSY619

OPSY619-24X1 (O)

OPSY620 Contemporary Issues in Organisational Psychology
15 Points 0.1250 EFTS
This course focuses on developing your organisational psychology scientist-practitioner knowledge and skills. The course considers current topics relating to the professional, ethical, legal, and cultural practice of Organisational Psychology in Aotearoa New Zealand and internationally. Learners will identify current gaps in organisational practices and develop evidence-based solutions to address these gaps.

P: Prior bachelor's degree

OPSY620-24X1 (O)

OPSY621 Recruitment and Selection
15 Points 0.1250 EFTS
This course explores the evidence-based practices for attracting and hiring the most appropriate talent for a job role. This includes the three key stages in the recruitment and selection process: 1) conducting a job analysis, and 2) developing and 3) validating a selection system. Contemporary challenges in recruitment and selection within Aotearoa New Zealand and internationally will also be considered: for example, the issue of bias on fairness and equity in personnel decision-making.

P: Prior bachelor's degree
R: APSY621
OPSY621-24X1 (O)

OPSY622 Research Methods for Organisational Psychology
15 Points 0.1250 EFTS
This course aims to develop learners' research methodology skills and knowledge in preparation for the research project. Quantitative and qualitative research designs relevant to Organisational Psychology are considered and contrasted. Ethical considerations involved in researching human participants and within organisations are explored. Reporting, analysing and interpreting research findings for organisational use are also examined.

P: Prior bachelor's degree
OPSY622-24X1 (O)

PSYC641 Advanced Psychopathology
30 Points 0.2500 EFTS
This course, which is restricted to clinical psychology postgraduate students, is a broad survey of adult and child psychopathology. The focus is on description (including classification, differential diagnosis, epidemiology, etc) etiology, and to some degree assessment. The seminar forms a building block for the next year's focus on intervention.

P: Subject to approval of the Head of Department.
PSYC641-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

PSYC642 Psychometric Assessment Methods
18 Points 0.1500 EFTS
The objective of the course is to provide an introduction to the theory and practice of psychometric assessment in clinical work. Students will improve their ability to select, administer, score and interpret a range of psychometric assessment tools, with awareness of the impact of culture on norming samples and the implicit biases this causes. The first semester provides an introduction to neuropsychological assessment, including intelligence testing, and assessment of the brain-behaviour relationship. The second semester familiarises you with the more frequently used psychometric tests of behavioural and emotional functioning, integrating them within a broad multi-modal, multi-informant understanding of your client.

P: Subject to approval of the Head of Department.
PSYC642-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

PSYC643 Year 1 Practicum
24 Points 0.2000 EFTS
The course objective is to provide the opportunity for students to apply the science and practice of clinical psychology. Students will develop their understanding of the 'art of interviewing' in a manner that is client centred, evidence-based, safe, ethical, and culturally safe. Upholding the principles of Te Tiriti o Waitangi is emphasised. The powhiri process is used as a framework to underpin assessment processes and assist in the development of bicultural confidence and competence. The practicum component provides students with the opportunity to apply their skills by undertaking assessment interviews, psychometric assessment, observation of treatment, and report writing.

P: Subject to approval of the Head of Department.
PSYC643-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

PSYC651 Psychotherapeutic Methods
30 Points 0.2500 EFTS
This course, which is restricted to clinical psychology postgraduate students, provides students with a basic understanding of the conceptual foundations of cognitive and behavioural therapies for child, adolescent and adult disorders including adapting CBT for Māori and Pasifika. To this end, the course will explore the theory, application and processes of cognitive and behavioural intervention approaches with reference to specific psychological disorders or problematic behaviour patterns, as well as highlight pertinent empirical data on the effectiveness of the various psychological interventions reviewed. As part of this course students will prepare for and participate in a noho marae, where they will have the opportunity to develop their knowledge of tikanga and learn about kaupapa Māori approaches.

P: Subject to approval of the Head of Department.
PSYC651-24W (C) **Whole Year (S1 and S2)**

PSYC653 Year 2 Practicum
30 Points 0.2500 EFTS
The course objective is to provide the opportunity for students to apply the science and practice of clinical psychology in the context of practicum placements. The focus for the year 2 practicum is on students gaining further experience with psychological assessment and some experience with psychological intervention and therapy from your supervisor guided by the powhiri process, as well as gaining additional experience with psychological assessment. Additional emphasis is placed on the development of bicultural competence, delivered through a combination of teaching and opportunities to work with tangata whai ora through a kaupapa Māori service. Students will participate in two practicum placements. The first practicum placement is on campus in The Psychology Centre in Terms 1-2, students are expected to attend approximately two days a week of clinic work. The second practicum placement is in the community for two days per week for 16 weeks in Terms 2-4.

P: Subject to approval of the Head of Department.
PSYC653-24X (C) **05 Feb 2024 - 17 Nov 2024**

PSYC654 Comprehensive Exam in Clinical Psychology
12 Points 0.1000 EFTS
P: Subject to approval of the Head of Department.
PSYC654-24W (C) **Whole Year (S1 and S2)**

PSYC655 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
PSYC655-24S1 (C) **Semester 1**

PSYC661 Advanced Topics in Clinical Psychology 1
30 Points 0.2500 EFTS
This course is a survey of advanced topics in clinical psychology that builds upon previous courses in psychopathology assessment, and professional practice. The objectives of the course are to: - Increase specialist knowledge of areas of clinical psychology that have not been addressed more fully in the programme and which require more foundational knowledge - Develop more sophisticated assessment knowledge and skills regarding culture and diversity, and ethical issues. This includes deepening competency in working with Māori delivered through a 2-day workshop. By the end of the course, students will have more knowledge regarding specific specialist areas in clinical psychological, will have a greater understanding of cultural, social and ethical factors impacting on psychological presentation and will have a more integrate knowledge of assessment and practice.

P: (1) PSYC651, PSYC653, PSYC654 (2) Entry is subject to approval of the Head of Department.
PSYC661-24W (C) **Whole Year (S1 and S2)**

PSYC662 Advanced Topics in Clinical Psychology II
30 Points 0.2500 EFTS
This course is a survey of advanced practices in clinical psychology which builds on previous courses in psychological intervention. The objectives of the course are to: - Increase specialist knowledge in advanced intervention methods. - Learn more about interventions for specific psychological problems - Integrate theory and intervention for specific psychological problems. By the end of the course, students will have more knowledge regarding specific psychological interventions, their theoretical foundations and techniques.

P: (1) PSYC651, PSYC653, PSYC654 (2) Entry is subject to approval of the Head of Department
PSYC662-24W (C) **Whole Year (S1 and S2)**

PSYC670 Internship in Clinical Psychology
60 Points 0.5000 EFTS
Opportunity for students to apply the science and practice of clinical psychology in a practical setting, and to develop their bicultural competence through a combination of teaching, kaupapa Māori cultural supervision, and opportunities to work with tangata whai ora and kaupapa Māori services. The internship year is two full-time half- year clinical placements. Limited to students already admitted to the clinical psychology programme.

P: PSYC651, PSYC653, PSYC654. Entry is subject to Head of Department approval.
C: PSYC661, PSYC662.
PSYC670-24A (C) **Starts Anytime**

PSYC671 Internship in Clinical Psychology A - Part-time
30 Points 0.2500 EFTS
Opportunity for students to apply the science and practice of clinical psychology in a practical setting, and to develop their bicultural competence through a combination of teaching, kaupapa Māori cultural supervision, and opportunities to work with tangata whai ora and kaupapa Māori services. The internship year is normally two full-time half-year clinical placements or, with permission of the Clinical Director, two part-time one year clinical placements (PSYC671 and PSYC672). Limited to students already admitted to the clinical psychology programme.

P: (1) PSYC651, PSYC653, PSYC654 (2) Entry is subject to approval of the Head of Department
C: PSYC661, PSYC662
R: PSYC670
PSYC671-24A (C) **Starts Anytime**

PSYC672 Internship in Clinical Psychology B - Part-time
30 Points 0.2500 EFTS
Opportunity for students to apply the science and practice of clinical psychology in a practical setting, and to develop their bicultural competence through a combination of teaching, kaupapa Māori cultural supervision, and opportunities to work with tangata whai ora and kaupapa Māori services. The internship year is normally two full-time half-year clinical placements or, with permission of the Clinical Director, two part-time one year clinical placements (PSYC671 and PSYC672). Limited to students already admitted to the clinical psychology programme.
P: PSYC651, PSYC653, PSYC654, PSYC671
C: PSYC661, PSYC662
R: PSYC670
PSYC672-24A (C) **Starts Anytime**

PSYC690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
PSYC690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

PSYC695 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
PSYC695-24A (C) **Starts Anytime**

PSYC790 Psychology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
PSYC790-24A (C) **Starts Anytime**
PSYC790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Russian

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

RUSS130 Elementary Russian Language A
15 Points 0.1250 EFTS
Russian language course for absolute beginners, i.e. students with no knowledge of Russian, based on the communicative approach.
R: RUSS101
RUSS130-24S1 (C) **Semester 1**
RUSS130-24S1 (D) **Semester 1**

RUSS131 Elementary Russian Language B
15 Points 0.1250 EFTS
A Russian language course that follows on from RUSS130, based on the coummunicative approach.
P: RUSS130
R: RUSS101
RUSS131-24S2 (C) **Semester 2**
RUSS131-24S2 (D) **Semester 2**

RUSS218 The Soviet Experiment and Its Aftermath
15 Points 0.1250 EFTS
The emphasis is on Russia's 20th century Communist experience and its many legacies in the fast-changing post-Soviet society. Together we will examine the causes of the Bolshevik Revolution and the greatest social experiment in the history of humankind that followed it. The course will explore the roots of Stalinism, the causes and consequences of Soviet victory over Nazi Germany in World War II, the space race and other Cold War competitions between the superpowers, Gorbachev's reforms and the collapse of the USSR. Was the end of the Communist rule in the Soviet Union predetermined?
P: Any 15 points at 100 level from EURA, HIST, or RUSS, or any 60 points at 100 level from the Schedule V of the BA.
R: RUSS318, HIST274, HIST374, EURA214
EQ: HIST274, EURA214
RUSS218-24S1 (C) **Semester 1**

RUSS230 Intermediate Russian Language A
15 Points 0.1250 EFTS
This is the first of two intermediate Russian language courses. It aims at extending vocabularly and grammatical structures to discuss and write about simple topics in Russian culture.
P: RUSS131, or placement test.
R: RUSS201
RUSS230-24S1 (C) **Semester 1**
RUSS230-24S1 (D) **Semester 1**

RUSS231 Intermediate Russian Language B
15 Points 0.1250 EFTS
This is the second of two intermediate Russian language courses. It extends the reading, writing and discussion skills acquired in RUSS230 and places greater emphasis on conversation skills.
P: RUSS230, or placement test.
R: RUSS201
RUSS231-24S2 (C) **Semester 2**
RUSS231-24S2 (D) **Semester 2**

RUSS318 The Soviet Experiment and Its Aftermath
30 Points 0.2500 EFTS
The emphasis is on Russia's 20th century Communist experience and its many legacies in the fast-changing post-Soviet society. Together we will examine the causes of the Bolshevik Revolution and the greatest social experiment in the history of humankind that followed it. The course will explore the roots of Stalinism, the causes and consequences of Soviet victory over Nazi Germany in World War II, the space race and other Cold War competitions between the superpowers, Gorbachev's reforms and the collapse of the USSR. Was the end of the Communist rule in the Soviet Union predetermined?
P: Any 30 points at 200 level from EURA, HIST, or RUSS, or any 60 points at 200 level from the Schedule V of the BA.
R: RUSS218, HIST274, HIST374, EURA214
RP: RUSS235/HIST235/EURA235
EQ: HIST374
RUSS318-24S1 (C) **Semester 1**

RUSS330 Advanced Russian Language A
30 Points 0.2500 EFTS
This is the first of two advanced Russian language courses. It aims at improving students' all-round knowledge of contemporary Russian language and communication skills.
P: RUSS231, or placement test.
R: RUSS301
RUSS330-24S1 (C) **Semester 1**
RUSS330-24S1 (D) **Semester 1**

RUSS331 Advanced Russian Language B
30 Points 0.2500 EFTS
This is the second of two advanced Russian language courses. It aims at improving students' all-round knowledge of contemporary Russian language and communication skills. In addition, students' translation skills will be enhanced through work on media sources and fictional texts.
P: RUSS330, or placement test.
R: RUSS301
RUSS331-24S2 (C) **Semester 2**

RUSS336 Russian Language
30 Points 0.2500 EFTS
A survey course of Russian post-Soviet language, which enhances further some practical skills, such as translation and comprehension. It studies Russian contemporary slang, idiomatic expressions, loan words from English, and contemporary media. A good knowledge of Russian language is essential.
P: RUSS331 or placement test
R: RUSS409
RUSS336-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

RUSS409 Russian Language
30 Points 0.2500 EFTS
A survey course of Russian post-Soviet language, which enhances further some practical skills, such as translation and comprehension. It studies Russian contemporary slang, idiomatic expressions, loan words from English, and contemporary media. A good knowledge of Russian language is essential.
P: Subject to approval of the Programme Coordinator.
RUSS409-24S2 (C) **Semester 2**

RUSS480 Research Essay
30 Points 0.2500 EFTS
In this course, students explore a research topic of their choice under the supervision of an appropriate staff member, subject to approval by the programme coordinator. This course is compulsory for all Honours students.
P: Subject to approval of the Programme Coordinator.
RUSS480-24W (C) **Whole Year (S1 and S2)**

RUSS481 Study Abroad in Russia
30 Points 0.2500 EFTS
This course is studied in Russia during Semester One or Semester Two, with supervision from Canterbury. The course content depends on the offerings of the Russian partner university, but must consist of language-focused modules for RUSS481 and culture-focused modules for RUSS482 approved by the Russian Programme Director.
P: Subject to approval of the Programme Coordinator.
RUSS481-24S2 (C) **Semester 2**

RUSS482 Study Abroad in Russia
30 Points 0.2500 EFTS
This course is studied in Russia during Semester One or Semester Two, with supervision from Canterbury. The course content depends on the offerings of the Russian partner university, but must consist of language-focused modules for RUSS481 and culture-focused modules for RUSS482 approved by the Russian Programme Director.
P: Subject to approval of the Programme Coordinator.
RUSS482-24S2 (C) **Semester 2**

RUSS650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
RUSS650-24A (C) **Starts Anytime**
RUSS650-24S1 (C) **Semester 1**
RUSS650-24S2 (C) **Semester 2**

RUSS690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Coordinator.
RUSS690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

RUSS790 Russian PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
RUSS790-24A (C) **Starts Anytime**
RUSS790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Science

Te Kaupeka Pūtaiao | Faculty of Science

SCIE101 Science, Society and Me
15 Points 0.1250 EFTS
In this foundational course, we examine stimulating questions such as what science is, who does science, how is science practiced, how do science, culture and society interact and how science is communicated to differing audiences. This course will draw on a variety of historical and contemporary case-studies, leading edge research, ethical challenges and controversial issues. Students will gain an understanding of the civic roles, responsibilities and influence of science in our Māori, New Zealand, and global communities. Students will learn how to work effectively as a team and communicate successfully to communities and end-users. Students will learn what it means to be a successful scientist in Aotearoa (New Zealand) and the world in the 21st century.
SCIE101-24S2 (C) **Semester 2**
SCIE101-24S2 (D) **Semester 2**

SCIE481 Honours Research Project Part 1
15 Points 0.1250 EFTS
For students starting the BSc(Hons) programme mid-year, this course forms one half of the required Research Project component. A research topic will be chosen in discussion with an academic staff supervisor, a proposal developed and approved, and a written research report completed. This is a whole year course and work is undertaken for the project across both semesters. Various milestones are included through the year, including proposal development and progress reports.
P: Subject to approval of Head of School/Department
R: ASTR480, BCHM480, BIOL480, BIOT480, CEMB480, CHEM480, CAMS449, COSC470, DATA480, ECOL480, ECON680. ENVR480, FINC680, STAT449, GEOL470, MATH449, MAPH480, MDPH480, MBIO480, PHYS480, PSYC470, PHIL480
SCIE481-24S2 (C) **Semester 2**

SCIE482 Honours Research Project Part 2
15 Points 0.1250 EFTS
For students starting the BSc(Hons) programme mid-year, this course forms one half of the required Research Project component. A research topic will be chosen in discussion with an academic staff supervisor, a proposal developed and approved, and a written research report completed. This is a whole year course and work is undertaken for the project across both semesters. Various milestones are included through the year including proposal development and progress reports.
P: SCIE481
R: ASTR480, BCHM480, BIOL480, BIOT480, CEMB480, CHEM480, CAMS449, COSC470, DATA480, ECOL480, ECON680, ENVR480, FINC680, STAT449, GEOG420, GEOL470, MATH449, MAPH480, MDPH480, MBIO480, PHYS480, PSYC470, PHIL480
SCIE482-24S1 (C) **Semester 1**

Science Education

Te Kura Ārahi Ako | School of Educational Studies and Leadership

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SCED790 Science Education PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
SCED790-24A (C) **Starts Anytime**
SCED790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Science, Māori and Indigenous Knowledge

Te Kaupeka Pūtaiao | Faculty of Science

SCIM101 Science, Māori and Indigenous Knowledge
15 Points 0.1250 EFTS
This is an integrated multi-disciplinary course between Aotahi: School of Māori and Indigenous Studies and the College of Science. This course provides a basic understanding of Māori and Indigenous peoples' knowledge in such fields as astronomy, physics, conservation biology, aquaculture, resource management and health sciences. The course provides unique perspectives in Indigenous knowledge, western science and their overlap. The course will provide an essential background in cultural awareness and its relationship with today's New Zealand scientific community.
R: MAOR172
EQ: MAOR172
SCIM101-24S2 (C) **Semester 2**

Sculpture

School of Creative and Digital Arts

SCUL211 Sculpture 2A
45 Points 0.3750 EFTS
Students will be introduced to developing technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Sculpture practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.
P: FINA103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.
SCUL211-24S1 (C) **Semester 1**

SCUL212 Sculpture 2B
45 Points 0.3750 EFTS
Students will continue the development of technical competence in, and broad operational of, theoretical knowledge within the specialised studio discipline. Projects relating to the conventions and techniques of Sculpture practice, participation in group meetings, critiques, reading groups and critical reflections, documentation of all work.
P: SCUL211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.
SCUL212-24S2 (C) **Semester 2**

SCUL311 Sculpture 3
90 Points 0.7500 EFTS
P: SCUL212
SCUL311-24W (C) **Whole Year (S1 and S2)**

SCUL411 Sculpture 4
90 Points 0.7500 EFTS
P: SCUL311
SCUL411-24W (C) **Whole Year (S1 and S2)**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SCUL601 Sculpture
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
SCUL601-24A (C) **Starts Anytime**

Social and Environmental Sustainability

Te Kaupeka Toi Tangata | Faculty of Arts

SENS101 Introduction to the Principles and Concepts of Sustainability
15 Points 0.1250 EFTS
Sustainability is a popular but contested concept. At its most basic it refers to the maintenance of systems, processes, and/or practices over time. This foundation course introduces students to transdisciplinary ways of understanding the contested history of ideas about sustainability in diverse fields of socio-ecological politics, and philosophy, Indigenous knowledge and environmental law, governance and leadership, and economics and environmental management. Taught through four modules, the course will include a one day Marae field trip and small group field work. A pastoral emphasis supports cohort building and communication skills for advocacy and analysis.
SENS101-24S1 (C) **Semester 1**

SENS201 Systems Thinking for Sustainability
15 Points 0.1250 EFTS
Systems thinking is used in diverse fields, from arts to engineering, to understand how components interact in complex ways. Systems thinking can be used to quantify and understand the movement of mass and energy in Earth's climate system, or to inform decision-making by governments or communities. Earth system scientists use a systems approach to understand the structure, functions and feedbacks among the earth's anthrosphere, biosphere, atmosphere, hydrosphere, geosphere, pedosphere and cryosphere. Economists use systems thinking to maximize the impact of sustainable development decisions. Geographers use systems thinking to identify the effects urban transport systems have on communities. Learning how to identify and model the properties and processes at work within a system helps us make a difference and achieve sustainability goals. In this 200-level course, students will develop understanding of the way systems thinking is used in sustainability studies, including in local, regional and international contexts. Students are introduced to some of the strengths, limitations and major challenges inherent in this approach to helping us address complex interdisciplinary problems.
P: SENS101
SENS201-24S1 (C) **Semester 1**

SENS301 Sustainability Transitions, Transformations and Agents of Change
30 Points 0.2500 EFTS
This course supports students to work as transdisciplinary scholars, thinking critically about how individuals, communities, entrepreneurs, firms, non-governmental organisations and governments (at multiple scales) can effect change for sustainability, and learning to synthesize and apply knowledge for sustainable and regenerative social, economic and environmental transformations. Sustainability problems, incorporating diverse values, knowledge and ways of seeing the world are often inherently conflictual. In this course students will learn tools to address these conflictual sustainability problems. The course will consider how to listen across significant differences of life experience and professional training and how to build network supports, identify stakeholders, develop resources and policies for implementation and evaluation to create or co-create a sustainability action plans for an applied field problem. The course will include an overnight field trip and opportunity to develop to applied research methods in a project about sustainable transitions.
P: SENS201
SENS301-24S1 (C) **Semester 1**

Social Work

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

SOWK101 Introduction to Social Policy
15 Points 0.1250 EFTS
An introduction to the provision of welfare in New Zealand, providing students with the opportunity to examine socio-cultural, economic and political factors that have influenced current welfare policies, practice and services. The course addresses basic organising concepts of welfare, using historical and contemporary case studies. Students will be introduced to tools and frameworks that will enable them to develop research skills and critical thinking. Using current case studies of service delivery presented by guest practitioners, contemporary research practices, social worlds/issues and welfare services/responses are analysed.
R: HSRV101
EQ: HSRV101
SOWK101-24S2 (D) **Semester 2**
SOWK101-24S2 (C) **Semester 2**

SOWK102 Social Services in Aotearoa
15 Points 0.1250 EFTS
A course that introduces the history, and contemporary organisation, and functions of the social services industry in New Zealand society. Particular emphasis is placed on the development of students' capacities to understand and critically analyse the impact of service delivery on diverse populations.
R: HSRV102
EQ: HSRV102
SOWK102-24S1 (D) **Semester 1**
SOWK102-24S1 (C) **Semester 1**

SOWK104 Youth Realities
15 Points 0.1250 EFTS
The course introduces students to the diverse realities of 'youth' with a focus on multiple contexts. Students explore the concept of youth and the cultural, historical, political and economic contexts in which young people live and the decisions that they make. We critically consider the issues that place young people outside the margins of dominant society, and the responses, models and theoretical frameworks used in youth studies.
R: HSRV104
EQ: HSRV104
SOWK104-24S1 (C) **Semester 1**
SOWK104-24S1 (D) **Semester 1**

SOWK202 Human Behaviour and Human Systems
15 Points 0.1250 EFTS
This course examines the applications to human services of primary knowledge about human functioning and social behaviours, drawing on contemporary theories of psychosocial processes. The course explores selected developmental and external challenges facing children and families in New Zealand. The focus of the course is on usual developmental processes and the interface between individual and societal expectations, and implications for social service delivery.
P: 15 points at 100 level in HSRV or SOWK; OR 60 points from the BA, BSW(Hons) or BCJ.
R: HSRV202
EQ: HSRV202
SOWK202-24S1 (C) **Semester 1**
SOWK202-24S1 (D) **Semester 1**

SOWK203 Social Policy, Social Justice and Activism
15 Points 0.1250 EFTS
This course examines key principles guiding policy on the provision of social services. Trends and debates around the shifting relationship between welfare systems and the state are explored along with factors influencing the delivery of human services in Aotearoa/New Zealand. Students will learn to critically assess the implications of social service delivery for providers and consumers of welfare services, and issues around the impact of inequalities in society.
P: Any 15 points at 100 level from HSRV or SOWK, or any 60 points at 100 level from the Schedule V of the BA, or from the Schedule C to the BSW(Hons).
R: HSRV203
EQ: HSRV203
SOWK203-24S2 (C) **Semester 2**
SOWK203-24S2 (D) **Semester 2**

SOWK206 Communication for Practice
15 Points 0.1250 EFTS
This course will include substantive content on communicating across the life course, communication for practice with Māori, communication for working with diverse communities, communication for advocacy, professional communication (legal and ethical), documenting for practice, and working in groups (teamwork). This course is an introduction to aspects of professional communication in a practice/workplace environment. Common communication dynamics associated with teamwork, breaking bad news, addressing conflict, and macro advocacy will be explored. The course utilises a blended learning format.
P: Any 15 points at 100 level from HSRV or SOWK, or any 60 points at 100 level from the Schedule V of the BA or BC, or from Schedule C to the BSW(Hons).
R: HSRV201, SOWK201
SOWK206-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

SOWK212 Family Violence
15 Points 0.1250 EFTS
This course will provide substantive content on the dynamics of family violence across three forms of violence including child abuse and neglect, intimate partner violence and elder abuse. Specialist law provides the means through which family violence concerns can be addressed by the State. Both voluntary and statutory responses are used in response to family violence. This course provides a broad overview of the ways in which the family and the state attempt to address the issue of family violence. Students will be introduced to research and literature pertaining to family violence from an international and New Zealand perspective and will use this to critique how family violence is both framed and responded to. The course utilises a blended learning format.

P: Any 15 points at 100 level in HSRV or SOWK, or any 60 points at 100 level from the Schedule V of the BA or from Schedule C or E of the BCJ.
R: HSRV206, HSRV212
EQ: HSRV212

SOWK212-24S1 (D) **Semester 1**

SOWK301 Theory, Methods and Integration
30 Points 0.2500 EFTS
This courses provides the theoretical and methodological foundation to the programme. A major component is a review and analysis of major theories and models that influence social work practice. Social work process is explored in relation to these theoretical underpinnings. Finally, practice modalities relevant to family, group and community work are considered. These studies will be integrated with methods and analysis from policy, cross-cultural and contextual perspectives.

P: Any 240 points at 100 and 200 level from the Schedule C and E of the BSW(Hons). Head of Department approval mandatory.
C: SOWK308. For students undertaking part-time study, SOWK301, together with SOWK308, must be completed in the last two years of study.
R: SOWK514/614

SOWK301-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

SOWK303 Mental Health
15 Points 0.1250 EFTS
The focus of the course is on mental health and wellbeing and the impact of mental ill health on individuals and families/whānau and communities. The course considers the social-ecological context of mental disorders and consequently considers issues around culture, gender, environment, policy and service provision. Students are supported to achieve an understanding of how theory applies to practice via independent learning, scaffolded assessment, online multimedia materials and zoom tutorials. Insights from practitioners with expertise in various areas of mental health will be threaded through the course. The course is designed to build on prior knowledge within the social work programme.

P: Any 240 points at 100 and 200 level from Schedule C and E of the BSW(Hons); or 240 points from Schedule C and S to the Bachelor of Health Sciences. Head of Department approval mandatory.
R: SOWK611

SOWK303-24S2 (D) **Semester 2**

SOWK304 Tino Rangatiratanga and Mana Motuhake in Practice
15 Points 0.1250 EFTS
This course draws together considerations for effective social work practice in New Zealand's bi-cultural society. It also considers issues of cultural identity, ethnic relations, power and control as the basis for cross-cultural work with ethnic minorities, settler communities and refugees. One or more marae-based hui are a course requirement.

P: Any 240 points at 100 and 200 level from the Schedule C and E of the BSW(Hons); or any 240 points from the Schedule C, S and E of the Bachelor of Youth and Community Leadership. Head of Department approval mandatory.
R: HSRV304
EQ: HSRV304

SOWK304-24S1 (C) **Semester 1**

SOWK308 Social Work Principles and Skills
30 Points 0.2500 EFTS
Interpersonal communication and counselling skills are examined using a social work process framework with an emphasis on cultural and strengths perspectives. Skill development must be demonstrated and a pass obtained to progress to fieldwork placements.

P: Any 240 points at 100 and 200 level from the Schedule C and E of the BSW(Hons). Head of Department approval mandatory.
C: SOWK301. For students undertaking part time study, SOWK301 together with SOWK308, must be completed in the last two years of study.
R: SOWK515, SOWK615

SOWK308-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

SOWK340 Practice research for social work
30 Points 0.2500 EFTS
This course covers the fundamentals of social research, including: problem formulation; ethical considerations; sampling and measurement; varieties of research methods; data analysis and, dissemination and distribution of research knowledge related to social work.

P: Any 240 points at 100 and 200 level from the Schedule C and E of the BSW(Hons). Head of Department approval mandatory.
R: HSRV302; HSRV305; SOWK302; SOWK305; SOWK310; SOWK390

SOWK340-24W (C) **Whole Year (S1 and S2)**

SOWK490 Social Work Practice Integration Research Project
30 Points 0.2500 EFTS
This course reviews the fundamentals of social research, including: ethical considerations; sampling and data collection; data analysis and, dissemination and distribution of research knowledge related to the social work. The major course assessment is a research project.

P: 360 points including SOWK301, SOWK303, SOWK304, SOWK308 and SOWK340
C: SOWK491 and SOWK492
R: SOWK451, SOWK456, SOWK525, SOWK526, SOWK572

SOWK490-24A (C) **Starts Anytime**
SOWK490-24W (C) **Whole Year (S1 and S2)**
Limited entry. See limitation of entry regulations.

SOWK491 Field Education 1
45 Points 0.3750 EFTS
Field experience of 60 days in social service agencies under the guidance of accredited fieldwork teachers. Teaching and learning methods seek to facilitate an effective framework for initial practice, in accord with the New Zealand Association of Social Workers competency standards.

P: 360 points including SOWK301, SOWK303, SOWK304, SOWK308 and SOWK340
C: SOWK490
R: SOWK571, SOWK671
EQ: SOWK671

SOWK491-24A (C) **Starts Anytime**
SOWK491-24S1 (C) **Semester 1**
Limited entry. See limitation of entry regulations.

SOWK492 Field Education 2
45 Points 0.3750 EFTS
Field experience of 60 days in social service agencies under the guidance of accredited field educators. Teaching and learning methods seek to facilitate an effective framework for initial practice, guided by the Social Workers Registration Board 10 core competencies. Students enrolled in SOWK 671 must provide attestations as to character and suitability for continuing practice and agree to practice and be bound by the Code of Ethics of the New Zealand Association of Social Workers and the New Zealand Social Workers Registration Board's registration: Fit and Proper Person Policy. Students enrolled in this course whose circumstances change in regard to character or suitability must inform the course co-ordinator immediately. Changes in circumstances, whether notified by the student or others, may result in the student being required to undergo a re-assessment arranged by the Head of Department. Registered social work field educators and individual students on placement are supported by a designated teaching liaison person.

P: SOWK491
C: SOWK490
R: SOWK572, SOWK672
EQ: SOWK672

SOWK492-24A (C) **Starts Anytime**
SOWK492-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SOWK611 Mental Health
15 Points 0.1250 EFTS
The focus of the course is on mental health and wellbeing and the impact of mental ill health on individuals and families/whānau and communities. The course considers the social-ecological context of mental disorders and consequently considers issues around culture and gender, environment, policy and service provision. Students are supported to achieve an understanding of how theory applies to practice via independent learning, scaffolded assessment, online multimedia materials and zoom tutorials. Insights from practitioners with expertise in various areas of mental health will be threaded through the course. The course is designed to build on prior knowledge within the social work programme.

P: Subject to approval of the Head of Department.
R: SOWK303

SOWK611-24S2 (D) **Semester 2**

SOWK612 Tino Rangatiratanga and Mana Motuhake in Practice
15 Points 0.1250 EFTS
This course provides a critical analysis of culture, diversity and contemporary debates within Aotearoa New Zealand society. There is a focus on racial diversity and the part that the Treaty of Waitangi plays in developing biculturalism as a precursor to multiculturalism.

P: Subject to approval of the Head of Department.
R: SOWK512

SOWK612-24S1 (D) **Semester 1**

SOWK614 Social Work Theory, Research and Practice
30 Points 0.2500 EFTS
This course provides the theoretical and methodological foundation to the programme. A major component is a review and analysis of major theories and models that influence social work practice. Social work process is explored in relation to these theoretical underpinnings. Finally, practice modalities relevant to family, group and community work are considered. These studies will be integrated with methods and analysis from policy, cross-cultural and contextual perspectives.

P: Subject to approval of the Head of Department.
C: SOWK615. For students undertaking part-time study, SOWK614, together with SOWK615, must be completed in the last two years of study.
R: SOWK514/301
SOWK614-24W (D) Whole Year (S1 and S2)
Limited entry. See limitation of entry regulations.

SOWK615 Social Work Principles and Skills
30 Points 0.2500 EFTS
The Principles and Skills course integrates the principles of social work with the study of practice and technique. A framework for social work practice is introduced, comprising values, ethics, perspectives, and practices. This framework is used as the context for the development of skills in relation to practice in individual, family, group, and community development contexts. Skill development and analysis will take place in a series of labs, where practice is considered in relation to context and diversity. The concept of supervision is introduced and applied in these labs.

P: Subject to approval of the Head of Department.
R: SOWK308; SOWK515
SOWK615-24W (D) Whole Year (S1 and S2)
Limited entry. See limitation of entry regulations.

SOWK618 Independent Course of Study: Qualitative Research and Programme Evaluation Strategies
15 Points 0.1250 EFTS
P: Subject to approval of the Head of Department.
R: SOWK617
SOWK618-24S2 (C) Semester 2

SOWK640 Practice research for social work
30 Points 0.2500 EFTS
This course covers the fundamentals of social research, including: problem formulation; ethical considerations; sampling and measurement; varieties of research methods; data analysis and, dissemination and distribution of research knowledge related to social work.

P: Subject to approval of the HOD.
C: SOWK612, SOWK614, SOWK615, SOWK611
R: SOWK621/HSRV421; SOWK617
SOWK640-24W (D) Whole Year (S1 and S2)

SOWK671 Field Education 1
45 Points 0.3750 EFTS
Field experience of 60 days in social service agencies under the guidance of accredited field educators. Teaching and learning methods seek to facilitate an effective framework for initial practice, guided by the Social Workers Registration Board 10 core competencies. Students enrolled in SOWK 671 must provide attestations as to character and suitability for continuing practice and agree to practice and be bound by the Code of Ethics of the New Zealand Association of Social Workers and the New Zealand Social Workers Registration Board's registration: Fit and Proper Person Policy. Students enrolled in this course whose circumstances change in regard to character or suitability must inform the course co-ordinator immediately. Changes in circumstances, whether notified by the student or others, may result in the student being required to undergo a re-assessment arranged by the Head of Department. Registered social work field educators and individual students on placement are supported by a designated teaching liaison person.

P: Subject to approval of the Head of Department.
C: SOWK673
R: SOWK471, SOWK571
SOWK671-24A (D) Starts Anytime
SOWK671-24S1 (D) Semester 1
Limited entry. See limitation of entry regulations.

SOWK672 Field Education 2
45 Points 0.3750 EFTS
Field experience of 60 days in social service agencies under the guidance of accredited field educators. Teaching and learning methods seek to facilitate an effective framework for initial practice, guided by the Social Workers Registration Board 10 core competencies. Students enrolled in SOWK 671 must provide attestations as to character and suitability for continuing practice and agree to practice and be bound by the Code of Ethics of the New Zealand Association of Social Workers and the New Zealand Social Workers Registration Board's registration: Fit and Proper Person Policy. Students enrolled in this course whose circumstances change in regard to character or suitability must inform the course co-ordinator immediately. Changes in circumstances, whether notified by the student or others, may result in the student being required to undergo a re-assessment arranged by the Head of Department. Registered social work field educators and individual students on placement are supported by a designated teaching liaison person.

P: SOWK671. Subject to approval of the Head of Department.
C: SOWK673
R: SOWK472 and SOWK572
SOWK672-24A (D) Starts Anytime
SOWK672-24S2 (D) Semester 2
Limited entry. See limitation of entry regulations.

SOWK673 Practice Research Integration
30 Points 0.2500 EFTS
This course is specifically designed for students with a demonstrated ability to conduct advanced research and/or progress to thesis writing. The course requires students to demonstrate the application of their knowledge and understanding in relation to a specific social work issue and to take an active role in developing an investigation for the benefit of a wider audience. The course will require students to plan a small scale research project and complete a research report.

P: Subject to approval of the Head of Department.
C: SOWK671, SOWK672
R: SOWK490, SOWK624, SOWK670
SOWK673-24W (D) Whole Year (S1 and S2)
Limited entry. See limitation of entry regulations.

SOWK695 Social Work MSW Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
SOWK695-24A (C) Starts Anytime

SOWK790 Social Work PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
SOWK790-24A (C) Starts Anytime
SOWK790-24A (D) Starts Anytime
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Sociology

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

SOCI111 Exploring Society
15 Points 0.1250 EFTS
An introduction to the major themes in contemporary sociology in a way that is relevant to New Zealand culture and society.

SOCI111-24S1 (C) Semester 1

SOCI112 Global Society
15 Points 0.1250 EFTS
Combining sociological theory and concepts with arguments and examples drawn from around the globe, this course conveys the scope and value of sociology for understanding the complex and fast-changing world in which we live.

SOCI112-24S2 (C) Semester 2

SOCI201 Social Theory for Contemporary Life
15 Points 0.1250 EFTS
This course engages with a range of classical and contemporary social theories dealing with the complexity of the social and everyday life. Even though social theories aim to provide a general interpretation of the social forces that have shaped the modern, contemporary world; we use them every day in informal ways. This course focuses on how social theorists have set out to make sense of the world. Students will be introduced to a selection of theorists and perspectives in an approachable manner and use material that is relevant to our contemporary social world. This course is compulsory for the Sociology major.

P: Any 15 points at 100 level from ANTH or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: SOCI301, SOCI393 (2013).
SOCI201-24S1 (C) Semester 1

SOCI202 Constructing Bodies
15 Points 0.1250 EFTS
This course focuses on the ways in which the body is shaped in culturally/historically specific contexts, which include the lived body as a site of knowledge and experience. It explores a range of body practices, representations and technologies such as non-mainstream body modification, sexuality education, trans medico-surgical practices and the sexualization of culture.

P: Any 15 points at 100 level from ANTH, CULT, or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: GEND102, FMST102, GEND112, AMST113, CULT112, AMST142, GEND201, CULT207
EQ: GEND201, CULT207
SOCI202-24S2 (C) **Semester 2**

SOCI209 Te Tiriti: The Treaty of Waitangi
15 Points 0.1250 EFTS
This course uses the Treaty of Waitangi to frame examinations of contemporary New Zealand society. We ask questions designed to highlight and emphasise the relevance of the Treaty of Waitangi to everyday New Zealanders. In addition, the course looks at the importance of this document in the maintenance of Crown and Māori relations. Topics covered range from the signing of the Treaty, and historical developments, to the protest movements and activism of the continuing Māori renaissance period, race relations and one law-for-all.

P: Any 15 points at 100 level from ANTH, CULT, HIST, HSRV, MAOR, POLS, SOCI, or SOWK, or any 60 points at 100 level from the Schedule V of the BA.
R: HIST268, MAOR219, POLS218, POLS258, HSRV207, CULT219
EQ: HIST268, MAOR219, POLS258, HSRV207, CULT219
SOCI209-24S2 (C) **Semester 2**

SOCI220 Environment and Society
15 Points 0.1250 EFTS
This course considers the relationship between ecology and environmental sociology, collective dilemmas, energy and society, the environment and politics and some other selected environmental issues.

P: Any 15 points at 100 level from ANTH or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: SOCI230 (2005), SOCI320, SOCI330 (2005)
SOCI220-24S2 (C) **Semester 2**

SOCI222 Whakataka Nga Here: Colonisation and the Criminal Justice System
15 Points 0.1250 EFTS
This course will examine one of the most pressing issues facing Aotearoa New Zealand. Students will explore historical and contemporary determinants of Māori over-representation in the criminal justice system. The course also engages with contemporary responses to the challenges we will examine, and identify future solutions.

P: Any 15 points at 100 level in SOCI, ANTH, CRJU, or LAWS, or Any 60 points at 100 level from the Schedule V of the BA.
R: CRJU222
SOCI222-24S2 (C) **Semester 2**

SOCI243 Sociology of Health and Medicine
15 Points 0.1250 EFTS
This course explores sociological ways of thinking about health and medicine. Focusing on health institutions, people's experiences within the health system, and different ways of constructing health and illness, we will look at inequalities and health, mental health, disabilities, chronic illness, and complementary medicine, amongst other topics. Students will engage in a policy project and will gain a broad understanding of the Aotearoa New Zealand health scene. Students will also have an opportunity to think about health and illness in relation to their own lives.

P: Any 15 points at 100 level from ANTH or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: SOCI343
SOCI243-24S1 (C) **Semester 1**

SOCI278 Religion and Society: Why God Won't Die
15 Points 0.1250 EFTS
This course is an introduction to the sociology of religion focused on thinking and rethinking religion & society.Central to the discussion is why god and religion has not dissapeared as was predicted in much modern social theory. In considering this question, the course provides a critical discussion of the ways religion, god and religious practices have been thought, dismissed and applied over the past 150 years within the Sociology of Religion.

P: Any 15 points at 100 level from ANTH or SOCI, or any 60 points at 100 level from the Schedule V of the BA.
R: ANTH298, SOCI292, SOCI392 in 2012
EQ: ANTH298
SOCI278-24S1 (C) **Semester 1**

SOCI293 The History of Gangs in New Zealand
15 Points 0.1250 EFTS
An introduction to the sociology of gangs, focusing on the historical development of gangs in New Zealand and the methods which have been taken to control them.

P: Any 15 points at 100 level in SOCI, ANTH, CRJU, or LAWS, or any 60 points at 100 level from the Schedule V of the BA.
SOCI293-24S2 (C) **Semester 2**

SOCI303 Sexualities, Gender and Relationalities
30 Points 0.2500 EFTS
This course explores the changing landscape of sexuality and gender categories and identities, as well as new forms and understandings of intimacy and relationality. It considers how various identities, representations and practices disrupt and/or reproduce gendered, sexual and non-sexual intimacies and relationship normativities in a range of sites. These include mediated intimacies, polyamory and other non-consensual non-monogamies, asexualities, incels and PUAs ('pick up artists'), 'sexting' and dating apps.

P: Any 30 points at 200 level from ANTH or SOCI, or any 60 points at 200 level from the Schedule V of the BA.
SOCI303-24S2 (C) **Semester 2**

SOCI345 Critical Disaster Studies
30 Points 0.2500 EFTS
This course focuses on an introduction to the sociological study of disasters and their impact on society. Disasters are triggered by both natural hazards (e.g., earthquakes, floods, wildfires) and human-induced hazards (e.g., oil spills, terrorism, nuclear accidents, COVID-19 pandemic) and cause widespread community disruption, displacement, economic loss, property/infrastructure damage, death and injury, and psychological suffering. There has been a significant increase in the frequency and magnitude of disasters, and the economic costs, damage to the built and natural environments, and human consequences have been increasingly severe. In this course, much of the focus will be on how social, political and economic conditions influence how people and communities experience, manage, prepare for, recover from and mitigate disasters. Through Critical Disaster Studies (CDS) perspectives, case studies of major disasters in Aotearoa New Zealand and the world (including the COVID-19 pandemic) are used to explore topics such as the impact of sex/gender, class, race/ethnicity, colonization, age and social capital on social vulnerability and resilience to disasters.

P: Any 30 points at 200 level from ANTH or SOCI, OR any 60 points at 200 level from the Schedule V of the BA.
SOCI345-24S1 (C) **Semester 1**

SOCI363 Investigating Social Worlds
30 Points 0.2500 EFTS
The course provides students with 'hands on' experiential learning in conducting, and participating in, life stories and focus group research. Students will gain skills in one-to-one interviewing, focus group interviews, research ethics, transcript analysis and reflexive research practice.

P: Any 30 points at 200 level from ANTH or SOCI, or any 60 points at 200 level from the Schedule V of the BA.
R: SOCI340, SOCI341
SOCI363-24S1 (C) **Semester 1**

SOCI368 The Politics of Need: Globalisation, Poverty and Welfare Provision
30 Points 0.2500 EFTS
An advanced study of globalisation that examines how our new world of risk (including global financial risk) shapes our experiences of wealth, poverty and belonging. As well as using case studies from around the world, it covers groundbreaking theorisations of globalisation and an interrogation of New Zealand's place in a global world.

P: 30 points of SOCI including 15 points at 200 level; OR 30 points of SOCI or ANTH at 200 level; OR 60 points in related subjects including 30 points at 200 level with the approval of the Head of Department.
R: SOCI268, SOCI348 (prior to 2006), HSRV205
SOCI368-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SOCI413 Ethnicity, Migration and Multiculturalism
30 Points 0.2500 EFTS
This course explores ethnicity, race, racism, indigeneity, migration, nationalism and related phenomena in a range of different times and places.

P: Subject to approval of the Head of Department.
R: HSRV413, MAOR422
EQ: HSRV413
SOCI413-24S2 (C) **Semester 2**

SOCI415 Understanding Society in 21st century
30 Points 0.2500 EFTS
Social Scientists study society. But what is a Society? This course takes a critical, historical and conceptual look at models of society to convey the range of techniques, styles, methodologies and consequences of approaching the question of 'what is society?'

P: Subject to approval of the Head of Department.
SOCI415-24S1 (C) **Semester 1**

SOCI470 Supervised Research
30 Points 0.2500 EFTS
This course is intended to allow students to explore a research topic of their choice under the supervision of an appropriate staff member.
P: Subject to approval of the Head of Department.
SOCI470-24S1 (C) **Semester 1**
SOCI470-24S2 (C) **Semester 2**

SOCI650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
SOCI650-24A (C) **Starts Anytime**
SOCI650-24S1 (C) **Semester 1**
SOCI650-24S2 (C) **Semester 2**

SOCI690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
SOCI690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

SOCI790 Sociology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
SOCI790-24A (C) **Starts Anytime**
SOCI790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Software Engineering

Te Tari Pūhanga Pūmanawa Rorohiko | Department of Computer Science and Software Engineering

SENG199 Software Engineering Workshop Training Course
0 Points 0.0000 EFTS
Compulsory workshop training course for Software Engineering students.
P: Approval into the BE(Hons) Software Engineering.
C: SENG202
SENG199-24S2 (C) **Semester 2**

SENG201 Software Engineering I
15 Points 0.1250 EFTS
This course provides an introduction to the principles, processes, practices, techniques and tools of software engineering. The underlying theory and practical applications of a variety of topics in software engineering are covered with particular reference to object-oriented software development.
P: (1) COSC121 or COSC131; (2) COSC122. Recommended preparation: 15 points from MATH, STAT or EMTH. MATH120/STAT101 are strongly recommended.
RP: RP: 15 points from MATH, STAT or EMTH. MATH120/STAT101 are strongly recommended.
SENG201-24S1 (C) **Semester 1**

SENG202 Software Engineering Project Workshop
15 Points 0.1250 EFTS
The Software Engineering Project Workshop gives students in-depth experience in developing software applications using modern techniques. Participants work individually and in small groups to develop a medium-complexity application. At the end of this course they will have practised the fundamental skills required to develop software systems using modern tools, practices and development environments.
P: SENG201 AND Approval into the BE(Hons) Software Engineering programme.
C: SENG199
SENG202-24S2 (C) **Semester 2**

SENG301 Software Engineering II
15 Points 0.1250 EFTS
SENG301 builds on the material introduced in SENG201 (Introduction to Software Engineering) and is intended as a companion course to SENG302 (Software Engineering Group Project). The focus is on quality and how to model, measure and maintain it as project size and complexity scale up.
P: SENG201.
RP: ENCE260 or COSC262.
SENG301-24S1 (C) **Semester 1**

SENG302 Software Engineering Group Project
30 Points 0.2500 EFTS
The Software Engineering group project gives students in-depth experience in developing software applications in groups. Participants work in groups to develop a complex real application. At the end of this course you will have practiced the skills required to be a Software Engineer in the real world, including gaining the required skills to be able to develop complex applications, dealing with vague (and often conflicting) customer requirements, working under pressure and being a valuable member of a software development team.
P: SENG201 and COSC265
C: SENG301
SENG302-24W (C) **Whole Year (S1 and S2)**

SENG365 Web Computing Architectures
15 Points 0.1250 EFTS
This course introduces the fundamental concepts and techniques for developing applications that are delivered via the world wide web. Students will gain practical experience in developing software using a variety of current web application platforms, and will gain an understanding of the technical details of the underlying frameworks used and their implications when producing complex web-based software systems.
P: COSC265 or two courses out of (INFO223, INFO253, INFO263).
R: COSC365
RP: SENG 201 is strongly recommended.
SENG365-24S1 (C) **Semester 1**

SENG401 Software Engineering III
15 Points 0.1250 EFTS
This course will build on SENG201 and SENG301, deepening study of design and quality assurance in software projects.
P: SENG301 and SENG302
R: COSC427
SENG401-24S1 (C) **Semester 1**

SENG402 Software Engineering Research Project
30 Points 0.2500 EFTS
The Software Engineering Research Project gives students in-depth experience in researching complex, open-ended software engineering problems, and developing and evaluating potential solutions. Participants work individually or in teams to investigate and develop solutions for a complex real-world problem. There may be the opportunity to work on a project in conjunction with industry. At the end of this course you will have practiced the skills required to develop solutions for complex problems involving the development of substantial software solutions of significant complexity. You will also be comfortable with dealing with vague (and often conflicting) customer requirements, working under pressure and providing technical leadership.
P: SENG301, SENG302 AND Approval into the BE(Hons) Software Engineering programme.
SENG402-24W (C) **Whole Year (S1 and S2)**

SENG403 Software Process and Product Quality
15 Points 0.1250 EFTS
This course introduces software quality key concepts, practices, methodologies and techniques present through the software lifecycle.
P: SENG301 and approval by Head of Department
SENG403-24S1 (C) **Semester 1**

SENG404 Software Requirements and Architecture
15 Points 0.1250 EFTS
This course explores software requirements and software architecture in the software development and software product life cycle.
P: (1) SENG 301, or (2) Subject to approval by Head of Department
SENG404-24S1 (C) **Semester 1**

SENG406 Software Security
15 Points 0.1250 EFTS
Building secure software is an intricate task that involves careful design of both preemptive and corrective measures. This course will cover the secure development lifecycle where students will learn about techniques to model security threats, follow secure coding standards and perform security-focused testing to prevent software to expose vulnerabilities. Students will learn how to combine tools of various natures to identify threats as part of a continuous integration pipeline. The course also addresses data privacy and governance issues, including (Indigenous) data sovereignty principles.
P: SENG201 and ENCE260, or approval by the Head of Department
R: COSC424
SENG406-24S2 (C) **Semester 2**

SENG440 Special Topic: Topics in Mobile Computing
15 Points 0.1250 EFTS
This course explores topics of mobile computing platforms. It will explore a range of issues, for example user experience (UX) and the importance of asynchronous and event driven software design, and the implications of resource constraints, e.g., battery and memory. The course will likely use the Google Android platform as the primary example to demonstrate the topics; and will complement this example with brief consideration of other platforms and app development frameworks (e.g., iOS development using Swift and cross-platform development using React Native).
P: SENG301
SENG440-24S2 (C) **Semester 2**

SENG442 Special Topic
15 Points 0.1250 EFTS
Special Topic in Software Engineering
P: Subject to the approval of the Director of Studies
SENG442-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SENG690 Software ME Thesis
120 Points 1.0000 EFTS
Software ME Thesis
P: Subject to approval of the Head of Department
SENG690-24A (C) **Starts Anytime**

Soil Science

Te Kura Ngahere | School of Forestry

SOIL203 Soil Fertility
15 Points 0.1250 EFTS
Basic soil properties; soil formation and soils in the New Zealand landscape; soil chemical and physical properties which are important to sustainable land use and environmental protection; assessment of soil nutrient availability, particularly with respect to forests.
P: 30 points from CHEM, GEOL, BIOL, FORE or by approval Chair Forestry Board of Studies
R: SOIL201
SOIL203-24S2 (C) **Semester 2**
Limited entry. See limitation of entry regulations.

Spanish

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

SPAN101 Beginners' Spanish A
15 Points 0.1250 EFTS
An introductory language course for students with no previous knowledge of Spanish.
SPAN101-24S1 (C) **Semester 1**

SPAN102 Beginners' Spanish B
15 Points 0.1250 EFTS
A language course following on from SPAN 101, for those with limited knowledge of Spanish.
P: SPAN101, NCEA Level 2, or placement test.
SPAN102-24S2 (C) **Semester 2**

SPAN201 Intermediate Spanish Language A
15 Points 0.1250 EFTS
Review of the basic features of Spanish that leads into an intensified examination of more complex structures for both conversational and written Spanish, including a wide range of verb structures.
P: SPAN102, NCEA Level 3, or placement test.
SPAN201-24S1 (C) **Semester 1**

SPAN202 Intermediate Spanish Language B
15 Points 0.1250 EFTS
The course focuses on developing students' ability to read and write Spanish of a level commensurate with original texts drawn from contemporary cultural and scholarly debates.
P: SPAN201 or placement test. Note: This course assumes a relatively high level of proficiency in the Spanish language. Even well prepared high school students should therefore enrol for the prerequisite course SPAN201 before trying to enter SPAN202.
SPAN202-24S2 (C) **Semester 2**

SPAN203 Spanish Conversation and Pronunciation
15 Points 0.1250 EFTS
Conducted strictly in Spanish, this course will offer students an opportunity to engage in conversation on a number of captivating topics given in a variety of formats with the goal of further developing oral proficiency, improving grammatical accuracy and improving pronunciation. Different types of discourse such as narration, debate, and dramatic dialogue will be emphasized. At the same time, students will also be exposed to other language skills such as listening, reading and writing.
P: SPAN201 or placement test.
SPAN203-24S2 (C) **Semester 2**

SPAN205 Journey through Hispanic Civilisation and Culture
15 Points 0.1250 EFTS
This course employs a historical approach to study Hispanic civilisation and culture. The first part of the course will focus on Spanish history and culture and the second part will be devoted to the history and the culture of Latin America. This course does not require any previous knowledge of Spanish as it will be taught in English.
P: Any 15 points at 100 level from SPAN, or any 60 points at 100 level from the Schedule V of the BA.
R: SPAN305
SPAN205-24S1 (C) **Semester 1**

SPAN301 Advanced Spanish A
30 Points 0.2500 EFTS
The aim of this course is to give students advanced proficiency in Spanish across the four skills (speaking, listening, reading and writing). The course also introduces students to the history and culture of the different Hispanic countries. By the end of this course students will be able to recognise a variety of discourses and idiomatic expressions as well as communicate at an advanced level in Spanish.
P: SPAN202 or placement test.
SPAN301-24S1 (C) **Semester 1**

SPAN302 Advanced Spanish B
30 Points 0.2500 EFTS
This course is a continuation of SPAN301. Students' linguistic skills will be improved and reinforced through extended readings, written assignments and aural/oral activities in class. Grammar will be taught in a cultural content-based context. By the end of this course, students will have a broader knowledge of Hispanic cultures; students will be able to communicate more effectively (orally and in writing) with native and other competent speakers.
P: SPAN301 or placement test.
SPAN302-24S2 (C) **Semester 2**

SPAN305 Journey Through Hispanic Civilisation and Culture
30 Points 0.2500 EFTS
This course employs a historical approach to study Hispanic civilisation and culture. The first part of the course will focus on Spanish history and culture and the second part will be devoted to the history and the culture of Latin America. This course requires previous knowledge of Spanish as part of its content and some assessments will be entirely in Spanish.
P: Any 45 points at 200 level from any subject, including SPAN202 or placement test.
R: SPAN205
SPAN305-24S1 (C) **Semester 1**

SPAN312 Advanced Spanish Seminar
30 Points 0.2500 EFTS
This course is designed to place students' practical knowledge of Spanish within a broader, and scientific framework. Students will be introduced to a variety of linguistic and sociolinguistic topics including a general overview of the history and formation of the language, the sound system, morphology, syntax, varieties of Peninsular and Latin American Spanish, writing styles and register, and idiomatic expressions. The content of this course is designed to engage students to reflect on the use and formation of the Spanish language from a theoretical and a practical approach, and on significant cultural aspects of the Hispanic world, so that they can develop critical skills and do further research while they master their communicative and writing proficiency.
P: SPAN302 or equivalent
R: SPAN412
SPAN312-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SPAN405 Translation Studies: Focus on Spanish
30 Points 0.2500 EFTS
This is a language specific translation course whose aim is to provide students with a solid understanding of the main issues involved in Translation Studies. This course will have both theoretical and practical components, with an emphasis on the connections between translation theory and practice. It will introduce students to the main grammatical and translation-related concepts and strategies necessary to achieve equivalence effects between source and target language. This will be achieved by concentrating on those areas in the relationship between English and Spanish which are characterized by non-equivalence.
P: Subject to approval of the Programme Director. Note: Advanced knowledge of Spanish language is required.
RP: BA and demonstrable knowledge of Spanish
SPAN405-24S2 (C) **Semester 2**

SPAN411 Research Essay
30 Points 0.2500 EFTS
In this course, students study a research topic of their choice under the supervision of an appropriate staff member, subject to approval by the programme coordinator. This course is compulsory for all Spanish honors students.
P: Subject to approval of the Programme Director.
SPAN411-24S1 (C) **Semester 1**
SPAN411-24S2 (C) **Semester 2**

SPAN412 Advanced Spanish Seminar
30 Points 0.2500 EFTS
This course is designed to place students' practical knowledge of Spanish within a broader, and scientific framework. Students will be introduced to a variety of linguistic and sociolinguistic topics including a general overview of the history and formation of the language, the sound system, morphology, syntax, varieties of Peninsular and Latin American Spanish, writing styles and register, and idiomatic expressions. The content of this course is designed to engage students to reflect on the use and formation of the Spanish language from a theoretical and a practical approach so that they can develop critical skills and do further research while they master their communicative and writing proficiency.
P: Subject to approval of the Programme Director. Note: Advanced knowledge of Spanish language is required.
SPAN412-24S2 (C) **Semester 2**

SPAN650 MA Dissertation
60 Points 0.5000 EFTS
MA Dissertation
P: Subject to approval of the Head of Department.
SPAN650-24A (C) **Starts Anytime**
SPAN650-24S1 (C) **Semester 1**
SPAN650-24S2 (C) **Semester 2**

SPAN690 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Programme Director.
SPAN690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

SPAN790 Spanish PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School
SPAN790-24A (C) **Starts Anytime**
SPAN790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Speech and Language Pathology

Te Kura Mahi ā-Hirikapo | School of Psychology, Speech and Hearing

SPSC222 Language Disorders in Children
15 Points 0.1250 EFTS
In this course students examine theories, causes and characteristics of language disorders in early childhood. Issues addressed include cultural variation in perceptions of 'disorder/impairment/disability', prevalence and risk factors, rationales and methods of early identification, principles of clinical assessment and evidence-based intervention, working with bilingual and bicultural clients, service delivery models and methods for judging the effectiveness of intervention. This course includes case study work for both assessment and intervention planning.
P: SPSC223
R: SPSC665
SPSC222-24S2 (C) **Semester 2**

SPSC223 Clinical Linguistics and Phonetics
15 Points 0.1250 EFTS
This course focuses on linguistics, language acquisition and phonetics, tailored for students working with clinical populations. The aim is to give students sufficient knowledge of speech and language, and their analyses, to understand the nature of both typical and atypical processes in this and future courses and professional practice. Students examine the structure of the English language, and developmental sequences, theoretical perspectives and influencing factors in language development in children. Students will record and transcribe a language sample, analyse, and draw conclusions about the child's developmental level. In conjunction, students will examine the physical characteristics of speech sounds and learn to transcribe speech, with an emphasis on phonemic transcription in typically developing children and healthy adults. While the primary focus of the course is on English, students' will develop an understanding of how speech and language differs across languages and how the analyses learnt can be applied to any language, with a specific focus on te reo Māori.
R: SPSC661, CMDS221, CMDS231
SPSC223-24S1 (C) **Semester 1**

SPSC232 Speech Sound Disorders
15 Points 0.1250 EFTS
This course provides students with an overview of articulatory anatomy and physiology, speech sound development, and then focuses on speech sound disorders, both articulatory and phonological in nature. Class sessions include case-based learning to evaluate assessment methods and evidence-based intervention strategies for speech sound disorders.
P: SPSC223
R: SPSC665
SPSC232-24S2 (C) **Semester 2**

SPSC262 Neuroscience of Swallowing and Communication
15 Points 0.1250 EFTS
This course provides students with foundational knowledge on the structure and function of the human nervous system. Students develop a thorough understanding of the development and organisation of the nervous system and its role in higher level cognitive functioning. Students also examine the underlying aetiology and main characteristics of a variety of neurological conditions associated with communication and swallowing disorders. In addition, they learn to explain relevant neurological diagnostic techniques and neurosurgical procedures used to study, assess and treat communication and swallowing disorders of neurogenic origin.
R: SPSC667, CMDS162
SPSC262-24S1 (C) **Semester 1**

SPSC281 Observation and Clinical Practice 1
15 Points 0.1250 EFTS
To prepare students for clinical practice through observations of communication in a range of community settings and facilitate student participation in clinic based activities.
R: SPSC664
SPSC281-24S1 (C) **Semester 1**

SPSC282 Clinical Practice 2
15 Points 0.1250 EFTS
Students will develop foundation skills in client management in speech-language pathology clinics and skills to present client information in a professional format.
R: SPSC668
SPSC282-23SU2 (C) **Summer (Nov 23)**
SPSC282-24S2 (C) **Semester 2**

SPSC320 Spoken and Written Language Disorders in Education
15 Points 0.1250 EFTS
In this course students undertake further studies in child language, to develop evidence-based practice skills with school aged children with language support needs. Topics include language and literacy development in the school aged years, the assessment and support of children's learning across pragmatics, narrative, morph-syntax, semantics and reading, inclusion and service delivery. Students learn to interpret and critically apply research to realistic case

scenarios from the local context. We explore working across cultures and languages in Aotearoa, with a focus on Māori and Pacific students, including those in kura kaupapa Māori education. The course explores different perspectives on child language "disorders" and supports students to develop flexibility and sensitivity in their practice with diverse families.

P: SPSC222
R: SPSC672

SPSC320-24S1 (C) **Semester 1**

SPSC365 Dysphagia and Related Disorders - Diagnosis

15 Points 0.1250 EFTS

The study of anatomy, physiology and neuroanatomy of normal deglutition, the nature and characteristics of swallowing disorders, and evidence-based practice methods in the evaluation of dysphagia in adults and children, the medical conditions associated with dysphagia such as aspiration pneumonia, tracheostomy and other complicating factors.

P: SPSC161 and (CMDS162 or SPSC262)
R: SPSC669

SPSC365-24S1 (C) **Semester 1**

SPSC366 Dysphagia and Related Disorders - Management

15 Points 0.1250 EFTS

In this course students extend their pre-requisite knowledge of swallowing biomechanics and pathophysiology to the management of swallowing impairment. Students acquire skills in evidence-based practice for rehabilitation and compensation of swallowing disorders in adults and children. On completion of the course, students will be equipped to make a professional contribution to the multidisciplinary management team for swallowing disorders in medical and educational settings.

P: SPSC161, CMDS162, SPSC365
R: SPSC674

SPSC366-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

SPSC369 Aphasia and Related Disorders

15 Points 0.1250 EFTS

Students will learn to apply evidence-based practice and the World Health Organization's International Classification of Functioning, Disability and Health (ICF) to differentially diagnosing the presence, extent, and nature of aphasia; and to planning their assessment approach; establishing suitable goals for intervention; and constructing appropriate management plans when working with clients with aphasia across the continuum of care.

P: CMDS162 or SPSC262
R: SPSC670

SPSC369-24S1 (C) **Semester 1**

SPSC381 Applied Research and Clinical Practice 3

15 Points 0.1250 EFTS

In this course students will establish the links between theory and practice. Students will further develop professional and clinical competency in managing a client caseload in an on-campus clinic. Students will successfully apply research skills of planning and executing a case study that includes a critical appraisal of diagnostic and therapeutic approaches, methods for data collection, analysis and interpretation.

P: SPSC281, SPSC282, SPSC263
R: SPSC671

SPSC381-23SU2 (C) **Summer (Nov 23)**
SPSC381-24S1 (C) **Semester 1**

SPSC382 Clinical Practice 4

15 Points 0.1250 EFTS

To further develop clinical skills in client management and professional behaviour to Intermediate level as measured by COMPASS.

P: SPSC281, SPSC282, SPSC263
R: SPSC676

SPSC382-23SU2 (C) **Summer (Nov 23)**
SPSC382-24S2 (C) **Semester 2**

SPSC420 Professional Studies

15 Points 0.1250 EFTS

SPSC420 explores current issues related to culturally-responsive and ethical clinical and research practices. This includes a focus on the provision of Speech-language therapy services in a bi-cultural context and engaging and supporting individuals and whānau representing the multi-cultures living in Aotearoa - New Zealand. Topics covered include te Tiriti o Waitangi; ethical practices; family systems approaches, and; models of counselling.

P: SPSC381
EQ: CMDS420

SPSC420-24S2 (C) **Semester 2**

SPSC451 Fluency Disorders

15 Points 0.1250 EFTS

The course provides students in speech therapy with information related to developmental and acquired stuttering/kikiki, and cluttering. It focuses on the onset and development of stuttering, and the clinical management of children and adults with fluency disorders. This includes discussion of the assessment, measurement and evidence-based treatments of stuttering. The course also covers the impact of fluency disorders on the client and their whānau.

R: SPSC662

SPSC451-24S1 (C) **Semester 1**

SPSC461 Evidence-based Case Integration in the Aotearoa Context

15 Points 0.1250 EFTS

In this course, students undertake advanced study with a focus on the management of more complex and multifaceted cases. Discussion topics include the management of clients for whom there is more than one key issue influencing their management (e.g. more than one communication disorder, bilingualism, psychosocial issues, multicultural background) and for clients in specialist areas of speech-language therapy (e.g. neurodevelopmental and cognitive communication disorders). Students explore knowledge which enables them, on the basis of a range of novel and complex case studies, to compare and contrast appropriate assessment procedures, to differentially diagnose the presence, extent, and nature of the communication disorder, to establish appropriate goals for intervention and to plan an appropriate intervention programme.

P: SPSC320, SPSC369, SPSC363
R: SPSC675

SPSC461-24S2 (C) **Semester 2**

SPSC482 Clinical Practice 5

15 Points 0.1250 EFTS

This course consolidates the links between theory and practice in the field of communication and swallowing disorders. Students carry out clinical work with an increasing level of independence and develop advanced professional and clinical competency in client management and professional behaviour, as specified by the COMPASS, with the requisite consideration of the cultural and ethical context of practice. Students will further enhance skills of developing electronic resources to demonstrate their learning. Students will integrate academic learning and clinical skills within reflective group workshops and within assessment tasks.

P: SPSC381, SPSC382

SPSC482-23SU2 (C) **Summer (Nov 23)**
SPSC482-24S1 (C) **Semester 1**

SPSC484 Clinical Practice 6

30 Points 0.2500 EFTS

This course is the capstone to the three-year BSLP degree. Students consolidate the links between theory and practice, and develop independence in clinical work. Students discuss and critically appraise i) workplace management, ii) methods and practices of interprofessional case management, and iii) service delivery. Students manage a range of clients independently, consulting with colleagues and other professionals as appropriate and applying the relevant theory to evidence based practice. Students will participate in mentoring/leadership roles. Students continue to develop competence in clinical practice as specified by the COMPASS, working in a variety of settings and demonstrating consideration of the cultural and ethical context in clinical practice.

P: SPSC381, SPSC382

SPSC484-23SU2 (C) **Summer (Nov 23)**
SPSC484-24S2 (C) **Semester 2**

SPSC490 Research Project

30 Points 0.2500 EFTS

A special project researching some aspect of communication sciences and disorders. The project is carried out under the guidance of a supervisor.

P: Subject to approval of the Head of Department.

SPSC490-24A (C) **Starts Anytime**

Limited entry. See limitation of entry regulations.

SPSC491 Capstone Project

15 Points 0.1250 EFTS

The Capstone Project is a challenging and independent research project that aims to consolidate your learning by drawing together the main strands of your academic and clinical undergraduate programme into a clinically-relevant, evidence-based, written report. This report will take the form of a critically appraised topic (CAT) arising from a clinical question posed by you in consultation with your project supervisor. The CAT will require you to construct a structured clinical question, search for relevant sources of evidence addressing your question, critically appraisal the evidence and draw a conclusion based on the highest-quality evidence available.

P: SPSC263 and Enrolment in the 3rd Professional Year of the BSLP(Hons).

SPSC491-24S1 (C) **Semester 1**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SPSC605 Advanced Clinical Practicum, Supervision and Administration
15 Points 0.1250 EFTS

This course will prepare postgraduate students to supervise other professionals and monitor programmatic efficacy as administrators in speech-language settings.

SPSC605-24W (C) **Whole Year (S1 and S2)**

SPSC661 Clinical Linguistics and Phonetics
15 Points 0.1250 EFTS

In this course students evaluate the relative impact of biological, social, cultural, and cognitive factors on speech and language acquisition and critically evaluate theories proposed to account for stages of development. Students compare and contrast techniques of clinical linguistic analysis to equip them to analyse a speech-language sample collected for a case study in order to draw conclusions about the stage of speech/language development reflected by the data.

P: Entry subject to approval by the Head of School.
R: CMDS221, CMDS231

SPSC661-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

SPSC662 Fluency Disorders
15 Points 0.1250 EFTS

The course provides students in speech therapy with information related to developmental and acquired stuttering/kikiki, and cluttering. It focuses on the onset and development of stuttering, and the clinical management of children and adults with fluency disorders. This includes discussion of the assessment, measurement and evidence-based treatments of stuttering. The course also covers the impact of fluency disorders on the client and their whānau.

P: Entry subject to approval by the Head of School.
R: (1) CMDS351, (2) SPSC451

SPSC662-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

SPSC664 Professional Studies and Clinical Practice I
15 Points 0.1250 EFTS

In this course students learn the methods of observation, data recording and data interpretation before applying these methods in a variety of clinical and community contexts. By the end of the course students will have observed and assisted in the clinical management of a range of communication and swallowing disorders in a variety of settings. Students will develop skills in using electronic resources as related to professional development and clinical practice. A workshop series on professional studies as applied to speech-language pathology accompanies fieldwork.

P: Entry subject to approval by the Head of School.
R: SPSC281, CMDS368

SPSC664-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

SPSC667 Neuroscience of Communication and Swallowing
15 Points 0.1250 EFTS

The overall aim of the course is to provide students with a foundational knowledge of human neurosciences in order that they can understand: the literature in neurogenic communication and swallowing disorders, the rationale for the tasks in the neurological examination, and the underlying basis of neurogenic communication and swallowing disorders.

P: Entry subject to approval by the Head of School.
R: (1) CMDS162, (2) SPSC262

SPSC667-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

SPSC668 Evidence-Based Clinical Practice 2
15 Points 0.1250 EFTS

The purpose of this course is to introduce you to the principles and methods of evidence-based clinical practice so that you can apply those methods to assessing and treating communication disorders in children and adults. You will also develop foundation skills in client management in speech-language pathology clinics.

P: (1) STAT101 or equivalent (2) SPSC664. Entry subject to approval by the Head of School.
R: SPSC282, SPSC263 and CMDS462

SPSC668-24X (C) **08 July 2024 - 22 Dec 2024**

Limited entry. See limitation of entry regulations.

SPSC669 Dysphagia and Related Disorders - Diagnosis
15 Points 0.1250 EFTS

The study of anatomy, physiology and neuroanatomy of normal deglutition, the nature and characteristics of swallowing disorders, and evidence-based practice methods in the evaluation of dysphagia in adults and children, the medical conditions associated with dysphagia such as aspiration pneumonia, tracheostomy and other complicating factors.

P: SPSC667. Entry subject to approval by the Head of School.
R: SPSC365

SPSC669-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

SPSC670 Aphasia and Related Disorders
15 Points 0.1250 EFTS

Students will learn to apply evidence-based practice and the World Health Organization's International Classification of Functioning, Disability and Health (ICF) to differentially diagnosing the presence, extent, and nature of aphasia; and to planning their assessment approach; establishing suitable goals for intervention; and constructing appropriate management plans when working with clients with aphasia across the continuum of care.

P: SPSC667. Entry subject to approval by the Head of School.
R: SPSC369

SPSC670-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

SPSC671 Applied Research and Clinical Practice 3
15 Points 0.1250 EFTS

This course offers students the opportunity to develop clinical skills in speech-language pathology including overall client management, professional communication, team work and effective time management. The fundamental link between research skills and evidence-based practice is understood by applying the principles of designing, undertaking, analysing and reporting on research in a real life setting.

P: (1) SPSC664, (2) SPSC668. Entry subject to approval by the Head of School.
R: SPSC381

SPSC671-24X (C) **22 Jan 2024 - 16 June 2024**

Limited entry. See limitation of entry regulations.

SPSC672 Spoken and Written Language Disorders in Educational Settings
15 Points 0.1250 EFTS

In this course students undertake further studies in child language, to develop evidence-based practice skills with school aged children with language support needs. Topics include language and literacy development in the school aged years, the assessment and support of children's learning across pragmatics, narrative, morph-syntax, semantics and reading, inclusion and service delivery. Students learn to interpret and critically apply research to realistic case scenarios from the local context. We explore working across cultures and languages in Aotearoa, with a focus on Māori and Pacific students, including those in kura kaupapa Māori education. The course explores different perspectives on child language "disorders" and supports students to develop flexibility and sensitivity in their practice with diverse families.

P: SPSC665. Entry subject to approval by the Head of School.
R: SPSC320

SPSC672-24S1 (C) **Semester 1**

Limited entry. See limitation of entry regulations.

SPSC673 Motor Speech Disorders
15 Points 0.1250 EFTS

The overall goal of the course is to produce students capable of assessing and differentially diagnosing cases of paediatric and adult MSDs and, furthermore, be capable of using this information to establish goals for intervention and develop appropriate, evidence-based intervention programmes.

P: SPSC667. Entry subject to approval by the Head of School.
R: SPSC363

SPSC673-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

SPSC674 Dysphagia and Related Disorders: Management
15 Points 0.1250 EFTS

In this course students extend their pre-requisite knowledge of swallowing biomechanics and pathophysiology to the management of swallowing impairment. Students acquire skills in evidence-based practice for rehabilitation and compensation of swallowing disorders in adults and children. On completion of the course, students will be equipped to make a professional contribution to the multidisciplinary management team for swallowing disorders in medical and educational settings.

P: SPSC669. Entry subject to approval by the Head of School.
R: (1) CMDS465, (2) SPSC366

SPSC674-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

SPSC675 Evidence-based Case Integration in the Aotearoa Context
15 Points 0.1250 EFTS

In this course, students undertake advanced study with a focus on the management of more complex and multifaceted cases. Topics include sourcing and evaluating evidence to support the management of clients for whom there is more than one key factor influencing their management (e.g. presence of more than one communication disorder, psychosocial factors, bilingualism and culturally and linguistically diverse background) and for clients in

specialist areas of speech-language therapy (e.g., neurodevelopmental disorders, cognitive communication disorders). Students explore research, client, and practitioner evidence to assess and differentially diagnose the presence, extent, and nature of the communication disorder, and to establish appropriate intervention plans.

P: Entry subject to approval by the Head of School.
R: SPSC461

SPSC675-24S2 (C) **Semester 2**

Limited entry. See limitation of entry regulations.

SPSC676 Professional Studies and Clinical Practice 4

15 Points 0.1250 EFTS

This course is the capstone to the two-year MSLP degree. Students consolidate the links between theory and practice, and develop independence in clinical work. Students discuss and critically appraise i) workplace management, ii) methods and practices of interprofessional case management, and iii) service delivery. Students apply counselling skills and ethical decision-making framework to clinical scenarios. Students manage a range of clients independently, consulting with colleagues and other professionals as appropriate and applying the relevant theory to evidence based practice. Students continue to develop competence in clinical practice as specified by the COMPASS, working in a variety of settings and demonstrating consideration of the cultural and ethical context in clinical practice.

P: (1) SPSC664, (2) SPSC668, (3) SPSC671. Entry subject to approval by the Head of School.
R: (1) SPSC468, (2) SPSC484

SPSC676-24X (C) **08 July 2024 - 19 Jan 2025**

Limited entry. See limitation of entry regulations.

SPSC695 MSc Thesis (Clinical)

105 Points 0.8750 EFTS

P: Subject to approval of the Head of School.

SPSC695-24A (C) **Starts Anytime**

Thesis must be completed within 12 months (fulltime) and may be started in either the summer at the end of Year 1, or the first semester of Year 2, finishing in either the second semester of Year 2 or the summer of Year 2, respectively. Part-time enrolment (0.65 EFTS) is available on approval.

SPSC696 MSc Thesis (Non-Clinical)

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

SPSC696-24A (C) **Starts Anytime**

Thesis must be completed within 12 months (fulltime) and may be started in either the summer at the end of Year 1, or the first semester of Year 2, finishing in either the second semester of Year 2 or the summer of Year 2, respectively. Part-time enrolment (0.65 EFTS) is available on approval.

SPSC790 Speech and Language Sciences PhD

120 Points 1.0000 EFTS

SPSC790-24A (C) **Starts Anytime**

SPSC790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Speech and Language Sciences

School of Psychology, Speech and Hearing

SPSC113 Introduction to Communication Disorders

15 Points 0.1250 EFTS

An introduction to the study of typical speech, language and swallowing as well as communication and swallowing disorders in children and adults.

R: CMDS111 and CMDS112
EQ: CMDS113

SPSC113-24S2 (C) **Semester 2**

SPSC114 The Art and Science of Human Communication

15 Points 0.1250 EFTS

SPSC114 examines how we communicate, how that is influenced by our culture, the neural and cognitive processes underpinning communication, and how communication is affected by external contexts such as noise and stress. It highlights theories and practical strategies to enhance the success of communication, in written and spoken format, as a university student and future professional. Drawing on case studies from the fields of medicine and aviation, we explore the effects of communication failure-and how those issues can be mitigated. We explore how communication differs across groups-such as children, older adults and those with communication difficulty. Students also gain exposure to the different academic disciplines that examine communication and the scientific methods they employ.

SPSC114-23SU2 (D) **Summer (Nov 23)**

SPSC114-24S1 (C) **Semester 1**

Sport Coaching

Te Kaupeka Oranga | Faculty of Health

SPCO101 Introduction to Sport Coaching

15 Points 0.1250 EFTS

This course introduces students to the contemporary practice of coaching and recent developments in research and practice in the field. It encourages open attitudes to innovations in coaching and the need for informed reflective practice. Students are encouraged to reflect upon their existing beliefs about coaching and how they dispose them toward recent developments in the field and the growing influence of research on practice. Students will gain knowledge and understanding about relevant aspects of human development and pedagogy with a focus on how to coach for learning rather than what to coach. They will be exposed to the idea of a spectrum of coaching styles from direct instruction to problem solving approaches and how the particular sporting context and sport affects decisions about which approach to take. It involves reflecting upon first hand experience as learners and coaches informed by relevant literature.

SPCO101-24S1 (D) **Semester 1**

SPCO101-24S1 (C) **Semester 1**

SPCO103 Sport Psychology

15 Points 0.1250 EFTS

This course introduces students to the relationship between sport and psychology. Basic sport psychology theories, methods, and findings are examined in terms of their implications for athletes, coaches, and the sporting environment, and fundamental principles for developing performance, participation, and enjoyment in sport are evaluated.

SPCO103-24S2 (C) **Semester 2**

SPCO103-24S2 (D) **Semester 2**

SPCO104 Anatomy and Physiology

15 Points 0.1250 EFTS

In this course, students will explore the human body's structure and functions, and how systems interact and adapt to exercise.

R: TEPE102

SPCO104-24S2 (C) **Semester 2**

SPCO104-24S2 (D) **Semester 2**

SPCO105 Sport, History and Society

15 Points 0.1250 EFTS

An introduction to the history and philosophy of physical education, physical activity and sport, critiquing the development of movement culture with particular reference to New Zealand sport development and physical education. In order to understand the nature and purpose of contemporary movement contexts, this course provides historical and philosophical frameworks.

R: TEPE204, TEPE105

SPCO105-24S1 (C) **Semester 1**

SPCO105-24S1 (D) **Semester 1**

SPCO107 Sport Nutrition

15 Points 0.1250 EFTS

This course provides an understanding of nutritional principles for healthy living and maintaining and improving sporting performance. The course will identify recommended nutritional practices for various populations including athletes, recreational exercisers, and groups with specific nutritional needs. The use of nutritional supplements in sporting performance will also be examined.

SPCO107-24S1 (C) **Semester 1**

SPCO107-24S2 (C) **Semester 2**

SPCO107-24S2 (D) **Semester 2**

SPCO110 Practicum 1

15 Points 0.1250 EFTS

This course provides the application of sport coaching theory to practice. Students will apply and evaluate aspects of coaching pedagogy and exercise science during coaching sessions with a primary school team, through a season of practices and interschool games.

P: 1) Enrolment in BSpC degree, or 2) Approval of Programme Coordinator based on police vetting
C: SPCO101
R: EDSP130

SPCO110-24S1 (D) **Semester 1**

SPCO110-24S1 (C) **Semester 1**

SPCO126 Land Journeys and Ethics
15 Points 0.1250 EFTS
Informed by experiential education approaches, students will complete a weekend backpacking trip with instructors as part of the overall course and use reflections from these experiences, in conjunction with coursework on human-nature relationships, to critically analyse and develop a personal land ethic. The field trip explores the concept of wilderness in land ethics through a direct experience of actual wilderness. The course has a focus on bi-culturally competent and globally connected understandings of the relationships between humans and nature.

R: TEPE112

SPCO126-24S1 (C) **Semester 1**
SPCO126-24S2 (C) **Semester 2**

SPCO201 Learner-Centred Teaching and Coaching
15 Points 0.1250 EFTS
This course engages students with exciting and innovative coaching and teaching approaches that are learner-centred, inquiry-based and growing in popularity across the PE & Sport sector. Through a blend of theory and practical application students will gain a working knowledge of the philosophical and pedagogical developments underpinning these approaches. This is enhanced through student engagement with current research as they critically reflect upon their own teaching and coaching experiences.

P: Any 60 points at 100 level from any subject.

SPCO201-24S2 (C) **Semester 2**
SPCO201-24S2 (D) **Semester 2**

SPCO204 Biomechanics
15 Points 0.1250 EFTS
Gain knowledge of the mechanical principles governing movement, with application to a range of sporting and other movement contexts. The course will explore biomechanical concepts through both tutorial-based and practical activities, equipping students to analyse and assess movement from both qualitative and quantitative viewpoints.

P: SPCO104

SPCO204-24S1 (C) **Semester 1**
SPCO204-24S1 (D) **Semester 1**

SPCO207 Ethics in Sport
15 Points 0.1250 EFTS
In achieving a dominant position, sport has become institutionalised and its meaning, significance and moral and ethical influence has a profound and powerful affect on society. This course introduces students to philosophical, moral and ethical foundations of sport. It examines a range of philosophical views of sport and considers its powerful influence on the attitudes and values of the individual and contemporary society. Sporting scenarios are examined and ethical decision making applied to critique the role, functions, meaning, and moral bases of sport.

P: Any 60 points at 100 level from any subject.

SPCO207-24S2 (C) **Semester 2**
SPCO207-24S2 (D) **Semester 2**

SPCO208 Sport and Culture in Aotearoa/New Zealand
15 Points 0.1250 EFTS
Sport does more than merely reflect mainstream society and culture. It plays a significant and dynamic role in the production and reproduction of culture. Approached from a critical perspective this course examines sport in New Zealand with a focus on its unique bi-cultural nature and the social and cultural issues related to its practice and its significance in New Zealand. The progression towards successful integration of some aspects of Māori and NZ European cultures is a feature of New Zealand sport on the world stage but the interaction of culture and sport is complex and tied into larger social issues that that are often overlooked. This course examines a range of cultural and social issues in New Zealand sport with a focus on its bicultural nature and how this should inform coaching practice.

P: Any 60 points at 100 level from any subject.

SPCO208-24S1 (C) **Semester 1**
SPCO208-24S2 (D) **Semester 2**

SPCO209 Exercise Physiology
15 Points 0.1250 EFTS
This course is designed to develop each student's knowledge and skills in relation to the theory and practice of exercise physiology. The lecture sessions will cover, in detail, the energy systems as they underpin health and performance. The laboratory sessions will provide students with the knowledge, time and opportunity to develop hands-on practical skills for fitness assessments both in the field and laboratory - essential for every exercise physiologist. In addition students will gain experience and skills in reading and critiquing research papers, analysing data using statistics as well as writing research papers.

P: SPCO104
R: SPCO206, TEPE203, TEPE103

SPCO209-24S1 (C) **Semester 1**
SPCO209-24S1 (D) **Semester 1**

SPCO210 Practicum 2
15 Points 0.1250 EFTS
This course provides further application of sport coaching theory to practice. Students will plan, implement and evaluate aspects of coaching pedagogy, sociology and sport science while coaching their selected sport. This occurs during coaching sessions with an Under 15 team, throughout a season of practices and interschool or club games/events.

P: SPCO110 and approval based on police vetting.
R: EDSP230

SPCO210-24W (C) **Whole Year (S1 and S2)**
SPCO210-24W (D) **Whole Year (S1 and S2)**
SPCO210-24A (C) **Starts Anytime**
SPCO210-24A (D) **Starts Anytime**

SPCO221 Injury and Rehabilitation
15 Points 0.1250 EFTS
This course will provide students with an understanding of prevention, treatment, management and rehabilitation of acute and chronic sports injuries, essential for sports coaches. The injury risk to special population groups such as children, adolescents, and female athletes will be highlighted.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

SPCO221-24S2 (C) **Semester 2**
SPCO221-24S2 (D) **Semester 2**

SPCO223 Applied Sport Psychology
15 Points 0.1250 EFTS
This course will examine the theory, philosophy and practice of psychological skills training in sport. Students will critically reflect on the application of sport psychology theories to psychological skills training programmes, examine the social psychology influences of sport and exercise participation and apply this knowledge to sport coaches and the sporting environment.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO

SPCO223-24S1 (C) **Semester 1**
SPCO223-24S1 (D) **Semester 1**

SPCO224 Sport Management
15 Points 0.1250 EFTS
Sport Management in New Zealand is experiencing a noted increase in professional organisational management approaches as well as maintaining a strong volunteer base at grass-roots level. Effective sport managers need to have a varying set of skills and be aware of best practices for the effective management of people, club and sporting events. Volunteer management, funding sources/models, development models, marketing, technology and other future issues will be discussed for the wide variety of sport organisations in New Zealand, from clubs to fitness centres to national/regional sports organisations.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

SPCO224-24S1 (C) **Semester 1**
SPCO224-24S1 (D) **Semester 1**

SPCO231 Introduction to Performance Analysis
15 Points 0.1250 EFTS
This course provides students with an understanding and appreciation of the development and position of performance analysis in sport. Practical skills using modern performance analysis techniques will be developed. Students will be required to track and analyse the performance of an athlete within a team sport through the duration of the course.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

SPCO231-24S2 (C) **Semester 2**
SPCO231-24S2 (D) **Semester 2**

SPCO241 Introduction to Strength and Conditioning
15 Points 0.1250 EFTS
This course provides students with an understanding and appreciation of the position of strength and conditioning coaches in both occupational and sporting environments. Practical skills using modern strength and conditioning techniques and technologies will be developed. Students will be required to coach and analyse the performance of two participants from an occupational / sport perspective through the duration of the course.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level in SPCO.

SPCO241-24S1 (C) **Semester 1**
SPCO241-24S1 (D) **Semester 1**

SPCO242 Nutrition and Exercise Prescription
15 Points 0.1250 EFTS
This course provides students with a multidisciplinary perspective and appreciation of contemporary issues in weight management. Applied weight management strategies and techniques fundamental to strength and conditioning will be developed. The coursework is designed to assist students in gaining proficiency supporting and working with weight management clientele.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

SPCO242-24S2 (C) **Semester 2**
SPCO242-24S2 (D) **Semester 2**

SPCO301 Sport Coaching and Leadership
15 Points 0.1250 EFTS
This course explores the role of sport coaching leadership in the NZ sport system. Employing a system-thinking approach, students will gain an in-depth knowledge of the NZ 'sport system' and the role that leadership plays within it. Students will also explore the interrelated nature of leadership, power and culture in sport coaching contexts and critically examine ways of managing change. Course content will be delivered through a combination of classroom and gymnasium based learning opportunities, including the completion of Sport New Zealand's Coach Developer programme.

P: SPCO201

SPCO301-24S2 (C) **Semester 2**
SPCO301-24S2 (D) **Semester 2**

SPCO302 Skill Acquisition in Sport
15 Points 0.1250 EFTS
Research led but grounded in practice, this course engages students with some of the most recent and cutting edge developments in sport coaching that have sought to apply the wide range of benefits evident in athlete-centred approaches to coaching team sports to individual sports and coaching other physical activities. It engages students with approaches to applying the holistic and humanistic pedagogical principles of athlete centred coaching in team games such as Game Sense to individual, technique-intensive sports such as swimming and athletics. Specifically, it draws on the concept of Positive Pedagogy informed by the pedagogical features of Game Sense adapted to individual sports, Positive Psychology and the work on positive approaches to promoting health and well-being. It engages students with the most recent developments in this field while providing experience through practical sessions as learners and coaches with assessment structured around reflections on this experience informed by the literature.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

SPCO302-24S1 (C) **Semester 1**
SPCO302-24S1 (D) **Semester 1**

SPCO304 Applied Biomechanics
15 Points 0.1250 EFTS
This course explores practical applications of biomechanics to equip students to support athletes to enhance sporting performance and minimise injury occurrence. Students will gain an understanding of the use of analytical methods and tools to make quantitative measurements and apply the principles of biomechanics to measuring and supporting performance.

P: SPCO204, or 30 points at 100-level MATH or PHYS and approval from Programme Coordinator.

SPCO304-24S2 (C) **Semester 2**
SPCO304-24S2 (D) **Semester 2**

SPCO305 Sociology of Sport
15 Points 0.1250 EFTS
This course will provide students with the opportunity to examine the socio-cultural context of sport through a range of sociological perspectives relevant to sport coaching, physical education teaching and sport leadership and management. It identifies concerns with the ongoing development of sport as a social institution framed by tensions between the notion of sport as education and sport as business. Issues examined include the impact of globalisation, the commodification of sport, the influence of sport on young people, media-sport, and sport and gender.

P: SPCO208

SPCO305-24S1 (C) **Semester 1**
SPCO305-24S1 (D) **Semester 1**

SPCO308 Inclusive Practice in Teaching and Coaching
15 Points 0.1250 EFTS
This course examines sociological and pedagogical theories and practices related to sport for athletes with disabilities. Historical and contemporary perspectives will be critiqued and students will gain an understanding of the implications of these perspectives for sporting environments. The course will provide students with the opportunity to apply inclusive coaching practices in a variety of settings.

P: Any 30 points at 200 level from SPCO.
R: EDSP285

SPCO308-24S1 (C) **Semester 1**

SPCO309 Applied Exercise Physiology
15 Points 0.1250 EFTS
This course provides students with an opportunity to extend their knowledge in the field of exercise physiology as it applies to health and sports performance settings. This includes examining ergogenic aids, the benefits of physical activity, and the effects of different environments on the acute and chronic response to exercise. The assessment will require the development of a novel sport science test; students will bring their existing knowledge of a sport to devise a unique sport-specific assessment tool and examine its validity and reliability.

P: 1) SPCO209 or 2) SPCO206
R: SPCO306 TEPE309
EQ: TEPE309

SPCO309-24S2 (C) **Semester 2**
SPCO309-24S2 (D) **Semester 2**

SPCO310 Practicum 3
15 Points 0.1250 EFTS
This course provides a final application of sport coaching theory to practice. Students will plan, implement and critically evaluate aspects of coaching pedagogy, sociology and sport science while coaching their selected sport. This will occur during coaching sessions with a team or individuals at any sporting level, throughout a season of practices and games or events.

P: SPCO210 or SPCO241

SPCO310-24W (C) **Whole Year (S1 and S2)**
SPCO310-24W (D) **Whole Year (S1 and S2)**
SPCO310-24A (C) **Starts Anytime**
SPCO310-24A (D) **Starts Anytime**

SPCO320 Internship
15 Points 0.1250 EFTS
This course brings together knowledge gained throughout the Sport Coaching programme, providing students with experience in a professional sport-related workplace of their choice, with a view to future employment or further study. The internship provides students with an opportunity to gain an understanding of management structures and practices with a professional sporting organisation, while specialising in the area of their chosen endorsement. Students will work towards a substantial project in an authentic setting. Students will develop critical reflection skills and technical and interpersonal skills required to work successfully in a professional workplace.

P: Successful completion of required 100 level and 200 level courses from the Sport Coaching schedule

SPCO320-24A (C) **Starts Anytime**
SPCO320-24A (D) **Starts Anytime**
SPCO320-24W (C) **Whole Year (S1 and S2)**
SPCO320-24W (D) **Whole Year (S1 and S2)**

SPCO331 Performance Analysis 2: Tools and Techniques
15 Points 0.1250 EFTS
This course equips students to analyse skilled performance in both a team and individual setting using a range of software, equipment and methodologies. Successful students will be able to analyse technique, tactical, movements and decision making abilities. The importance of designing effective key performance indicators and producing opposition analysis and scouting reports will be introduced and discussed. Modern techniques will be taught including leading performance analysis software. Students will get an opportunity to test and become more proficient in effective communication methods.

P: SPCO231

SPCO331-24S1 (C) **Semester 1**
SPCO331-24S1 (D) **Semester 1**

SPCO332 Applied Performance Analysis
15 Points 0.1250 EFTS
This course further develops the practical and theoretical skills of performance analysis learned in previous related courses. Students will learn about psychological and physiological aspects of performance analysis. Modelling of performance and performance forecasting techniques will be introduced and critically analysed. Interpreting big data will be discussed as well as profiling individuals and teams over the duration of a season and beyond. Best practices from New Zealand and international teams will be critically discussed along with the latest research.

P: SPCO231

SPCO332-24S2 (C) **Semester 2**
SPCO332-24S2 (D) **Semester 2**

SPCO335 Learning through Sport and Exercise Science
15 Points 0.1250 EFTS
This course develops students' capability to learn in, through and about the sport & exercise sciences and translate this knowledge into quality learning experiences. Students will consider theories of learning and consider their relevance in creating quality learning experiences within Health & Physical Education in the New Zealand Curriculum. There is a strong focus on critical analysis and application of knowledge.

P: SPCO209, SPCO204

SPCO335-24S1 (C) **Semester 1**
SPCO335-24S1 (D) **Semester 1**

SPCO336 Physical Education & Sport Curricula In Action
15 Points 0.1250 EFTS
This course will draw on the historical curriculum development literature in physical education and critically evaluate how this has shaped current understandings of curriculum knowledge, learning and teaching. Students will also consider the embodiment of movement, ethics and the role technology might play in creating personal meaning and understanding in future iterations of physical education. Through a blend of theory and practical sessions, students will conceptualise, implement and critically reflect on effective teaching and learning approaches in physical education contexts in Aotearoa New Zealand.

P: SPCO208

SPCO336-24S2 (C) **Semester 2**
SPCO336-24S2 (D) **Semester 2**
Limited entry. See limitation of entry regulations.

SPCO341 Strength and Conditioning for Sports Performance
15 Points 0.1250 EFTS
This course provides students with an introduction to the software and technologies used by high performance sports teams. Students will gain experience implementing innovative training methodologies, and learn to organise and concisely report large sets of training and testing data. Furthermore they will develop practical skills working in a team environment and will learn to prioritise training objectives within a short-term training plan.
P: SPCO241
SPCO341-24S2 (C) **Semester 2**
SPCO341-24S2 (D) **Semester 2**

SPCO343 Performance Nutrition and Recovery Monitoring
15 Points 0.1250 EFTS
This course challenges students to critically assess various contemporary nutritional and recovery techniques and delve into the research to determine their effectiveness. Students will look at the multidisciplinary relationship between the sports nutritionist and the strength and conditioning coach. Additionally, students will gain an appreciation of when it is appropriate to recommend a particular supplement / recovery intervention.
P: SPCO242
SPCO343-24S1 (C) **Semester 1**
SPCO343-24S1 (D) **Semester 1**

Sport Science

Te Kaupeka Oranga | Faculty of Health

SPRT109 Strength and Conditioning
15 Points 0.1250 EFTS
This course will be of interest to coaches, personal trainers and student athletes who wish to grow their knowledge and practical skills around Strength and Conditioning training to support their own training or that of athletes/clients they are coaching. Students will develop an understanding and appreciation of the position of fitness trainers in both occupational, health promotion and sporting environments. Practical skills using modern strength and conditioning techniques and technology will be developed. Students are required to demonstrate, coach and analyse performance.
SPRT109-24S1 (C) **Semester 1**
SPRT109-24S1 (D) **Semester 1**
SPRT109-24S2 (C) **Semester 2**
SPRT109-24S2 (D) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

SSCI403 Innovation in Sport and Exercise
30 Points 0.2500 EFTS
The course will examine how to gain a competitive edge through the application of sport science. It will consider aspects in relation to a range of disciplines including, but not limited to, biomechanics, exercise physiology, strength and conditioning, sport psychology, sport nutrition, performance analysis and motor learning. The course will be set in the context of sports science in a contemporary bicultural Aotearoa New Zealand.
P: Subject to approval of the Head of School
SSCI403-24S1 (C) **Semester 1**

SSCI404 Advanced Internship for Sport Science
30 Points 0.2500 EFTS
This course places students in an advanced internship in a professional sporting workplace, with a view to enhancing employability through working in an authentic workplace setting. Students will work within an existing sporting workplace to gain experience in providing sport science support and development in a professional environment.
P: Subject to approval to the Head of School
SSCI404-24A (C) **Starts Anytime**

SSCI405 Special Topic: Psychology of Sport and Exercise
30 Points 0.2500 EFTS
This course addresses contemporary understanding of the intersection between psychology, sport, exercise and science. Psychological aspects of sport performance and exercise behaviour will be examined, and the relationship between sport/exercise and human wellbeing evaluated. Key theoretical, methodological, and applied issues relevant to understanding and enhancing performance, participation, and wellbeing in sport and exercise settings will be critically evaluated.
P: Subject to approval of the Head of School
SSCI405-24S2 (C) **Semester 2**

SSCI407 Coaching Physical Performance
30 Points 0.2500 EFTS
The course explores recent and more complex aspects of strength and conditioning and nutrition. The focus of this course will be upon both sport performance and health improvement. The course will be practical and theoretical and require students to critique new methods and recent research directions in the field.
P: Subject to approval of the Head of School
SSCI407-24S2 (C) **Semester 2**

SSCI680 Sport Science Research Project
30 Points 0.2500 EFTS
The course requires students to demonstrate the application of their knowledge and understanding in relation to a specific sport science issue or opportunity, and to take an active role in developing an investigation for the benefit of a wider audience. The course will require students to plan a small-scale project and present the findings in the form of a written report.
P: EDME601; or HLTH464; or 30 points of approved research methods; or approval from the Head of School.
SSCI680-24A (C) **Starts Anytime**

SSCI681 Sport Science Research Dissertation
60 Points 0.5000 EFTS
The course requires students to demonstrate the application of their knowledge and understanding in relation to a specific sport science issue or opportunity, and to take an active role in developing an investigation for the benefit of a wider audience. The course will requires students to plan a small-scale dissertation and present the findings in the form of a written dissertation.
P: EDME601; or HLTH464; or 30 points of approved research methods; or approval from the Head of School
SSCI681-24A (C) **Starts Anytime**

Statistics

Te Kura Pāngarau | School of Mathematics and Statistics

STAT101 Statistics 1
15 Points 0.1250 EFTS
An introduction to the ideas, techniques and applications of statistics and probability.
R: STAT111, STAT112, DIGI103
EQ: STAT111, STAT112, DIGI103
STAT101-23SU2 (C) **Summer (Nov 23)**
STAT101-24S1 (C) **Semester 1**
STAT101-24S2 (C) **Semester 2**

STAT201 Applied Statistics
15 Points 0.1250 EFTS
A practical introduction to commonly used statistical methods, designed to increase the breadth of statistics skills. The emphasis is on the application of statistical techniques to solve problems involving real data.
P: STAT101 or DATA101 or 15 points from 100-level MATH or EMTH (excluding MATH110)
R: FORE210, STAT220, FORE222, STAT222
STAT201-24S1 (C) **Semester 1**

STAT202 Regression Modelling
15 Points 0.1250 EFTS
Regression models are the most widely used statistical tools for examining the relationships among variables. This course will provide a practical introduction to the fundamentals of regression modelling.
P: STAT101 or DATA101 or 15 points from 100-level MATH or EMTH (excluding MATH110)
R: FORE210, STAT220, FORE224, STAT224
STAT202-24S2 (C) **Semester 2**

STAT211 Random Processes
15 Points 0.1250 EFTS
This course introduces some of the most useful probability concepts and models that are widely used in biology, medicine, economics, finance, engineering, physics and many other areas. The models that will be covered are Markov chains and Poisson processes.
P: Either a) MATH199; or b) 15 points from MATH102 or EMTH118, and another 15 points from 100 level STAT, DATA, MATH, or EMTH (excluding MATH101 and MATH110)
R: STAT216
STAT211-24S1 (C) **Semester 1**

STAT213 Statistical Inference
15 Points 0.1250 EFTS
This course provides the theoretical foundations for statistical estimation and testing at an introductory level. These are essential for more advanced studies in statistics at higher levels because they facilitate a deeper understanding of statistical techniques and their applications.

P: (1) one of MATH102, MATH199 or EMTH118; and (2) one of STAT101, DATA101, STAT211, EMTH119, or EMTH210
R: STAT214
STAT213-24S2 (C) **Semester 2**

STAT221 Introduction to Statistical Computing Using R
15 Points 0.1250 EFTS
Statistical computing skills are essential within the modern workplace of statisticians and other quantitative/analytical positions. This course will develop and build your skills in computer programming for statistics, using the free statistical computing package R which is one of the most widely used tools for data analysis. The course provides excellent preparation for the many UC statistics courses that use R and, more generally, courses that require quantitative computing skills. The newly developed computing skills will also be used to unleash the power of modern computational statistical techniques for analysing complex real world data.
P: Either a) MATH199; or b) 15 points from MATH102 or EMTH118, and another 15 points from 100 level STAT, DATA, MATH, or EMTH (excluding MATH101 and MATH110)
R: STAT218
STAT221-24S2 (C) **Semester 2**

STAT312 Data Collection and Sampling Methods
15 Points 0.1250 EFTS
Data collection and sampling methods. Designs for surveys of populations.
P: 15 points from STAT200-299 and a further 15 points from STAT200-299 or DATA200-299 the rationale is that this takes into account new pathways into the course from recent data offerings.
STAT312-24S1 (C) **Semester 1**

STAT313 Computational Statistics
15 Points 0.1250 EFTS
This course is an introduction to nonparametric statistical methods based on empirical distribution functions, kernel smoothing, bootstrap, and resampling. We will study these methods by looking at their theoretical properties and their performance in practical data analysis
P: 15 points from 200 level MATH or EMTH, STAT210-299 or DATA203
STAT313-24S1 (C) **Semester 1**

STAT314 Bayesian Inference
15 Points 0.1250 EFTS
This course explores the Bayesian approach to statistics by considering the theory, methods for computing Bayesian solutions, and examples of applications.
P: 30 points from 200 level MATH, EMTH, STAT202-299, DATA203 and PHYS285
STAT314-24S2 (C) **Semester 2**

STAT315 Multivariable Statistical Methods and Applications
15 Points 0.1250 EFTS
Detailed study of multivariate methods. Application of multivariate methods, test statistics and distributions.
P: 15 points from STAT200-299 and a further 15 points from DATA200-299 or STAT200-299.
STAT315-24S1 (C) **Semester 1**

STAT317 Time Series Methods
15 Points 0.1250 EFTS
Analysis of sequentially collected data including data modelling and forecasting techniques.
P: 15 points from MATH102, EMTH118 or MATH199; and another 30 points from 200 level STAT or ECON213
R: ECON323, FINC323
STAT317-24S2 (C) **Semester 2**

STAT318 Data Mining
15 Points 0.1250 EFTS
Parametric and non-parametric statistical methodologies and algorithms for data mining.
P: 15 points from MATH102, EMTH118 or MATH199; and another 30 points from 200 level STAT, COSC, DATA, MATH or EMTH
STAT318-24S1 (C) **Semester 1**

STAT319 Generalised Linear and Multivariate Models
15 Points 0.1250 EFTS
STAT319 is a course in Generalised Linear Models (GLM), suited to anyone with an interest in analysing data. In this course we introduce the components of GLM and other advanced data analysis techniques. We use the free-ware package R. R is becoming the preferred computer package for many statisticians. In this course we will show you how to use the package, enter, manipulate and analyse data in R.
P: 30 points from STAT202-299
STAT319-24S2 (C) **Semester 2**

STAT391 Special Topic
15 Points 0.1250 EFTS
This special topic will allow flexibility to offer new or one-off courses of strategic importance to the Department. Its potential uses include: new staff developing a course in their areas of research specialisation; visiting Erskine fellows offering courses covering exciting new developments.
P: Subject to the approval of the Head of School.
STAT391-24S1 (C) **Semester 1**

STAT392 Special Topic
15 Points 0.1250 EFTS
This special topic will allow flexibility to offer new or one-off courses of strategic importance to the Department. Its potential uses include: new staff developing a course in their areas of research specialisation; visiting Erskine fellows offering courses covering exciting new developments.
P: Subject to approval of the Head of School.
STAT392-24S2 (C) **Semester 2**

STAT393 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT393-24S1 (C) **Semester 1**

STAT394 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT394-24S2 (C) **Semester 2**

STAT395 Statistics Project
15 Points 0.1250 EFTS
This 150 hour course provides students with an opportunity to develop statistical research skills to extend and strengthen their understanding of an area of statistics. Note: This course cannot be included as part of the 300 level requirement for a Mathematics or Statistics major.
P: Subject to approval of the Head of School
STAT395-23SU2 (C) **Summer (Nov 23)**

Postgraduate

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FENG689 MMathSci Thesis (Financial Engineering)
90 Points 0.7500 EFTS
This course will give you research experience by completing an independent study on a project in Financial Engineering. You will have an academic supervisor to provide research guidance throughout your project. Your research project will be chosen in discussion with your academic supervisor. We work with you to pair you up with a suitable supervisor. You will develop an initial research proposal and then undertake the research work. You will complete the project by producing a thesis and giving an oral presentation of your work.
P: Approval by the Head of School.
FENG689-24A (C) **Starts Anytime**

STAT445 Financial Time Series
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT445-24S2 (C) **Semester 2**

STAT446 Advanced Generalised Linear and Multivariate Models
15 Points 0.1250 EFTS
This course covers the statistical principles, data analysis techniques, the software analysis methods, and implementation in R, for Generalised Linear Models (GLM) and Multivariate Models.
P: Subject to approval of the Head of School.
STAT446-24S2 (C) **Semester 2**

STAT447 Official Statistics
15 Points 0.1250 EFTS
This course provides an overview of the key areas of Official Statistics. Topics covered include data sources (sample surveys and administrative data); the legal and ethical framework of official statistics; an introduction demography; the collection and analysis of health, social and economic data; data visualisation including presentation of spatial data; data matching and integration; the system of National Accounts.
P: Subject to approval of the Head of School
R: STAT474
STAT447-24S2 (C) **Semester 2**

STAT448 Big Data
15 Points 0.1250 EFTS
STAT448 is suited to anyone with an interest in data, and how it can be used in decision making. In this course we introduce you to big data and some of the techniques you can use to access, explore and investigate it. Students enrolling in this course should be familiar with statistics and with programming.
P: Subject to approval of the Head of School
STAT448-24S1 (C) **Semester 1**
STAT448-24S1 (D) **Semester 1**
STAT448-24S2 (C) **Semester 2**
STAT448-24S2 (D) **Semester 2**

STAT449 Project
30 Points 0.2500 EFTS
P: Subject to approval of the Head of School.
STAT449-24W (C) **Whole Year (S1 and S2)**
STAT449-24CY (C) **Cross Year**

STAT450 Advanced Statistical Modelling
15 Points 0.1250 EFTS
This course focuses on recent advances in modelling techniques for analysing data including mixed models and nonparametric tests.
P: Subject to approval of the Head of School.
STAT450-24S1 (C) **Semester 1**

STAT455 Data Collection and Sampling Methods
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT455-24S1 (C) **Semester 1**
STAT455-24S1 (D) **Semester 1**

STAT456 Time Series and Stochastic Processes
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
R: ECON663, ECON614
STAT456-24S2 (C) **Semester 2**

STAT459 Computational Statistics
15 Points 0.1250 EFTS
This course is an introduction to nonparametric statistical methods based on empirical distribution functions, kernel smoothing, bootstrap, and resampling. We will study these methods by looking at their theoretical properties and their performance in practical data analysis.
P: Subject to approval of the Head of School.
STAT459-24S1 (C) **Semester 1**

STAT461 Bayesian Inference
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT461-24S2 (C) **Semester 2**

STAT462 Data Mining
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT462-24S1 (C) **Semester 1**
STAT462-24S1 (D) **Semester 1**
STAT462-24S2 (C) **Semester 2**
STAT462-24S2 (D) **Semester 2**

STAT463 Advanced Multivariable Statistical Methods and Applications
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT463-24S1 (C) **Semester 1**
STAT463-24S1 (D) **Semester 1**

STAT471 Special Topic in Statistics
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT471-24S1 (C) **Semester 1**

STAT475 Independent Course of Study
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School.
STAT475-24S1 (C) **Semester 1**
STAT475-24S2 (C) **Semester 2**

STAT479 Special Topic
15 Points 0.1250 EFTS
P: Subject to approval of the Head of School
STAT479-24S1 (C) **Semester 1**
STAT479-24S2 (C) **Semester 2**

STAT491 Research Project
15 Points 0.1250 EFTS
This 150 hour course provides students with an opportunity to develop mathematical or statistical research skills to extend and strengthen their understanding of an area of mathematics or statistics. Students will be involved in a research project with a supervisor. The project will be closely aligned with the supervisor's existing research programme.
P: Subject to approval of the Head of School.
STAT491-23SU2 (C) **Summer (Nov 23)**
STAT491-24A (C) **Starts Anytime**

STAT689 MMathSci Thesis (Statistics)
90 Points 0.7500 EFTS
This course will give you research experience by completing an independent study on a project in Statistics. You will have an academic supervisor to provide research guidance throughout your project. Your research project topic will be chosen in discussion with your academic supervisor. We work with you to pair you up with a suitable supervisor. You will develop an initial research proposal and then undertake the research work. You will complete the project by producing a thesis and giving an oral presentation of your work.
P: Subject to approval of the Head of Department
STAT689-24A (C) **Starts Anytime**

STAT690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
STAT690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

STAT695 MA Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
STAT695-24A (C) **Starts Anytime**

STAT790 Statistics PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
STAT790-24A (C) **Starts Anytime**
STAT790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Taxation

Te Tari Kaute me te Pūnaha Pārongo | Department of Accounting and Information Systems

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TAXA690 MCom Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
R: ACIS690, AFIS690
TAXA690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

TAXA694 MCom Thesis
90 Points 0.7500 EFTS
P: Subject to approval of the Head of Department
TAXA694-24A (C) **Starts Anytime**

TAXA790 Taxation PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of Department.
R: ACIS790, AFIS790
TAXA790-24A (C) **Starts Anytime**
TAXA790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Te Reo Māori

Aotahi: School of Māori and Indigenous Studies

TREO110 Te Ngao Tū: Conversational Māori for Absolute Beginners
15 Points 0.1250 EFTS
A beginner's course in Māori language for those with no previous background in te reo Māori. Students will learn basic informal and formal greetings, introductory songs, proverbs and idiom, how to introduce themselves, express family relationships. The course will enable students to hold a basic conversation. This is a highly recommended language option for those who might work with Māori people or who just wish to familiarise themselves with the language. Students who have been credited with higher level TREO language courses cannot credit TREO 110. Students with prior knowledge or who are literate and/or fluent speakers of Te Reo may not enrol in this course without the permission of the Programme Director.
R: MAOR105, MAOR110, MAOR111, MAOR112, MAOR115, MAOR124, MAOR125
TREO110-23SU2 (C) **Summer (Nov 23)**
TREO110-23SU2 (D) **Summer (Nov 23)**
This is an intensive introductory course of Te Reo designed for students with no previous knowledge of the language. Students who have been credited with any of TREO111, TREO112, TREO180, TREO260, TREO280, TREO360 or TREO380 cannot subsequently be credited with TREO110. Students with prior knowledge or who are literate and/or fluent speakers of Te Reo may not enrol in this course without the permission of the Programme Director, which will be granted only if the course is appropriate to the level of competence of the student

TREO111 Te Ngao Pae 1: Introductory Reo 1
0 Points 0.1250 EFTS
An entry level course for those who wish to develop writing and speaking skills in Māori. Students learn an array of sentence constructions and vocabulary that will enable them to talk and write in several contexts about a wide variety of relationships and events in the present and the past. Students are exposed to cultural elements such as mihi, whakataukī and Kīwaha, including a variety specific to Ngāi Tahu. The course blends academic study of the language with a range of teaching techniques including language games, waiata and group activities.
R: MAOR105, MAOR110, MAOR111, MAOR115, MAOR124, MAOR125
TREO111-24S1 (C) **Semester 1**

TREO112 Te Ngao Pae 2: Introductory Reo 2
15 Points 0.1250 EFTS
A second level beginners' course in te reo Māori for those who have completed TREO111 or who have the equivalent level of proficiency. This course focusses on acquisition of more complex sentence constructions and extends knowledge of Māori vocabulary. In particular, knowledge of verbal sentences is enhanced by a study of commands, passive sentences, negatives and future constructions. Possessive phrases and sentence structures are also studied. The course blends academic study of the language with a range of teaching techniques including language games, waiata, group activities and the introduction of an immersion learning environment. Students are also exposed to whakataukī and Kīwaha including some of those from Ngāi Tahu.
P: TREO111, or 18 credits in NCEA Te Reo Māori level 1, mostly excellence, or by placement test.
R: MAOR106, MAOR110, MAOR112, MAOR115, MAOR125, MAOR126
TREO112-24S2 (C) **Semester 2**

TREO211 Te Ngao Mamaku 1
15 Points 0.1250 EFTS
An intermediate level course in te reo Māori for those who have completed TREO112 or who have recognised prior learning. This course continues the study of the structure of te reo Māori and extends your speaking skills through the study of a range of everyday topics. The course aims to increase the range and fluency of conversational ability to help lay the groundwork for future growth.
P: TREO112
R: TREO260
TREO211-24S1 (C) **Semester 1**

TREO212 Te Ngao Mamaku 2
15 Points 0.1250 EFTS
An intermediate level course in te reo Māori for those who have completed TREO211 or who have recognised prior learning. This course continues the study of the structure of te reo Māori and extends your speaking skills through the study of a range of everyday topics. The course aims to increase the range and fluency of conversational ability to help lay the groundwork for future growth.
P: TREO211
R: TREO260
TREO212-24S2 (C) **Semester 2**

TREO282 Kapa Haka - Introducing Māori Performing Arts
15 Points 0.1250 EFTS
Designed for Māori and non-Māori, performance competent and new learners, language and non-language students this course takes the class on a journey of exploration to a high level of performance. Course content includes study of the mythological and traditional origins and customs of performing arts from Mōteatea (traditional song), poi (ball dance), waiata ā-ringa (action song), haka and the art of warfare and mau rakau (weaponry - tī rakau, tītī tōrea, hāpai rākau, taiaha, patu). The course also covers the role of male and female leaders, biographies of important composers and the renaissance of kapa haka and its place in Māori culture and society. Students learn a full performance bracket which includes a distinctive Ngāi Tahu component as well as a selection of historical and sacred classic tribal anthems.
P: Any 15 points at 100 level from MAOR, MUSA, or TREO, or 60 points at 100 level from the Schedule V of the BA.
R: MAOR265, MAOR282, TREO382, MUSA252
EQ: MAOR282, MUSA252
TREO282-24S2 (C) **Semester 2**

TREO311 Te Ngao Matariki 1
30 Points 0.2500 EFTS
An advanced level course in te reo Māori for those who have completed TREO212. The aim of the course is to increase the depth of knowledge and skill in delivery of the students' Māori language so that they will have a clearer understanding of the oral and written traditions of Māori society and the working language of today's Māori world and be able to converse more effectively in Māori. Students will be encouraged to speak and write about their thoughts on a range of topics. This course continues the study of the structure of the language and extends speaking skills. The main language of instruction is the Māori language.
P: TREO212 or TREO260
R: TREO360
TREO311-24S1 (C) **Semester 1**

TREO312 Te Ngao Matariki 2
30 Points 0.2500 EFTS
An advanced level course in te reo Māori for those who have completed TREO311. The aim of the course is to increase the depth of knowledge and skill in delivery of the students' Māori language so that they will have a clearer understanding of the oral and written traditions of Māori society and the working language of today's Māori world and be able to converse more effectively in Māori. Students will be encouraged to speak and write about their thoughts on a range of topics. This course continues the study of the structure of the language and extends speaking skills. The main language of instruction is the Māori language.
P: TREO311
R: TREO360
TREO312-24S2 (C) **Semester 2**

TREO323 Tuhinga Rangahau
30 Points 0.2500 EFTS
Advanced level research essay in te reo Māori for students with a demonstrated ability to progress to postgraduate research study and thesis writing.
P: TREO260 and permission of the Head of School
TREO323-24S1 (C) **Semester 1**
TREO323-24S2 (C) **Semester 2**

Postgraduate

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TREO401 Te Ngao ki Hawaiki
30 Points 0.2500 EFTS
Mā te reo Māori ngā mahi a te karaehe nei e kawe ai i ngā kaupapa ako ka wānangahia nei e tātou. Ko te whāinga matua ko te ako i te reo kōrero, te reo tuhituhi ka tahi, ka rua ko te āta whakaaro he aha kē te wairua o te reo Māori me pupuri tonutia nei. Ka tiro tātou ki ngā korero tuku iho pēnei i te whakataukī, kīwaha me ērā momo o te reo. Ko tōna whāinga matua kia āta whāwhā i te hōhonutanga o te whakaaro me ōna tohutohu mō te ao e noho nei tātou. Ka tiro anō hoki tātou ki ngā kaupapa tikanga, ngā whakapono a te Māori, ngā mihi me ngā poroporoaki, ērā āhuatanga katoa o te reo Māori.
P: Subject to approval of the Head of School.
R: MAOR408, EDEM660
EQ: MAOR408, EDEM660
TREO401-24S1 (C) **Semester 1**
TREO401-24S1 (D) **Semester 1**

TREO403 He Wānanga
30 Points 0.2500 EFTS
An advanced te reo Māori course based in Māori philosophical and conceptual thought and beliefs. The course involves noho marae with prominent experts in te reo Māori. Students will use wananga to discuss, develop and shape work in their chosen fields.
P: Subject to approval of the Head of School.
TREO403-24S2 (C) **Semester 2**

TREO405 Te Whakaora: Language Revitalisation
30 Points 0.2500 EFTS

Students will critically examine the historical repression of the Māori language/Indigenous languages and the growth of language revitalisation movements in the twentieth century. They will review the key educational and Māori development drivers in Māori/iwi led movements: Kōhanga Reo, Kura kaupapa Māori, Wharekura, Wananga and bilingual/immersion programmes. They will assess the role that teachers can play in creating and shaping communities of language learners and develop appropriate strategic plans.

P: Subject to approval of the Head of School.
R: EDEM657, EDHP702
EQ: EDEM657, EDHP702

TREO405-24S2 (C) **Semester 2**
TREO405-24S2 (D) **Semester 2**

TREO406 Special Topic: Ngā Tuhinga Tuaiho: Manuscripts in Māori
30 Points 0.2500 EFTS

This is an advanced Māori language course teaching the skills of transcription, translation and annotation of nineteenth-century and early twentieth-century Māori-language manuscripts and printed material. Students will study the language from a broad selection of historical, political, religious and wananga documents. Students will also complete a translation and explanation of a document of their choice.

P: Subject to approval of the Head of School.
R: MAOR415
EQ: MAOR415

TREO406-24S1 (C) **Semester 1**

TREO480 Rangahau - Research Project
30 Points 0.2500 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in te reo Māori. Students are invited to discuss a topic of their choice with staff. Students are expected to make a short presentation at the School's Annual Matariki Research Seminar Series

P: Subject to approval of the Head of School.

TREO480-24S2 (C) **Semester 2**

TREO590 Rangahau - Major Research Dissertation
90 Points 0.7500 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff.

P: Subject to approval of the Head of School.

TREO590-24A (C) **Starts Anytime**

TREO591 Rangahau - Minor Research Dissertation
60 Points 0.5000 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff.

P: Subject to approval of the Head of School.

TREO591-24W (C) **Whole Year (S1 and S2)**

TREO592 Rangahau - Research Paper
30 Points 0.2500 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff.

P: Subject to approval of the Head of School.

TREO592-24S1 (C) **Semester 1**

TREO593 Rangahau - Research Paper
30 Points 0.2500 EFTS

This course is designed for students with a demonstrated ability to conduct postgraduate research and/or progress to thesis writing in Māori and Indigenous Studies. Students are invited to discuss a topic of their choice with staff.

P: Subject to approval of the Head of School.

TREO593-24S2 (C) **Semester 2**

TREO595 Tuhinga Pūkenga - Creative or Professional Writing Project
90 Points 0.7500 EFTS

This course allows students produce creative works which return te reo Māori to a language of the arts, professional works which return te reo to a language of political and community dialogue, or language revitalisation strategies that effectively normalise te reo Māori in ever expanding segments of our community and translations which enable historical and contemporary works to be bilingual and timeless.

P: Subject to approval of the Head of School.

TREO595-24A (C) **Starts Anytime**

TREO650 MA Dissertation
60 Points 0.5000 EFTS

MA Dissertation

P: Subject to approval of the Head of Department.

TREO650-24A (C) **Starts Anytime**
TREO650-24S1 (C) **Semester 1**
TREO650-24S2 (C) **Semester 2**

TREO690 MA Thesis
120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

TREO690-24A (C) **Starts Anytime**

Part-time enrolment (0.65 EFTS) is available on approval.

TREO790 Te Reo Māori PhD
120 Points 1.0000 EFTS

Te Reo Māori PhD

P: Subject to approval of the Head of Department.

TREO790-24A (C) **Starts Anytime**
TREO790-24A (D) **Starts Anytime**

Teacher Education

Te Kura Whakangungu Kaiako | School of Teacher Education

AKOA161 Mana Ako: Practice Exploration 1
15 Points 0.1250 EFTS

This course and first teaching practice experience provides opportunities for pre-service teachers to enact learning about teaching and demonstrate professional skills, knowledge and dispositions. Mana ako is a way of describing how, through a process of exploration on teaching practice, pre-service teachers learn how to teach. During this process of self-discovery and understanding of their own developing teacher identity, pre-service teachers develop skills of collaboration, problem-solving, perseverance, curiosity and confidence. Practice experience is focused on understanding and responding to learners, design for learning, establishing a learning-focused culture, fostering professional relationships, enacting principles relating to Te Tiriti o Waitangi, and engaging in professional learning. The course and teaching practice experience is closely linked to other courses in the BTchLn programme.

P: 30 points from 100 level AKOE, AKOM or AKOP courses

AKOA161-24A (D) **Starts Anytime**
AKOA161-24T3 (C) **22 July 2024 - 18 Aug 2024**
AKOA161-24T3 (D) **22 July 2024 - 18 Aug 2024**
AKOA161-24T3 (N) **22 July 2024 - 18 Aug 2024**

AKOA261 Mana Ako: Practice Exploration 2
15 Points 0.1250 EFTS

This course and second teaching practice experience provides opportunities for Pre-service teachers to advance learning about teaching and demonstrate professional skills, knowledge and dispositions. Mana ako is a way of describing how, through a process of exploration on teaching practice, pre-service teachers learn how to teach. During this process of self-discovery and understanding of their own developing teacher identity, pre-service teachers develop skills of collaboration, problem-solving, perseverance, curiosity and confidence. Practice experience is focused on understanding and responding to learners, design for learning, establishing a learning-focused culture, fostering professional relationships, enacting principles relating to Te Tiriti o Waitangi, and engaging in professional learning. The course and teaching practice experience is closely linked to other courses in the BTchLn programme.

P: AKOA161

AKOA261-24A (D) **Starts Anytime**
AKOA261-24T2 (C) **20 May 2024 - 16 June 2024**
AKOA261-24T2 (D) **20 May 2024 - 16 June 2024**

AKOA262 Mana Ako: Practice Exploration 3
15 Points 0.1250 EFTS

This course and third teaching practice experience provides opportunities for pre-service teachers to deepen their learning and reflection for teaching and demonstrate professional skills, knowledge and dispositions. Mana ako is a way of describing how, through a process of exploration on teaching practice, pre-service teachers learn how to teach. During this process of self-discovery and understanding of their own developing teacher identity, pre-service teachers develop skills of collaboration, problem-solving, perseverance, curiosity and confidence. Practice experience is focused on understanding and responding to learners, design for learning, establishing a learning-focused culture, fostering professional relationships, enacting principles relating to Te Tiriti o Waitangi, and engaging in professional learning. The course and teaching practice experience is closely linked to other courses in the BTchLn programme.

P: AKOA261

AKOA262-24A (D) **Starts Anytime**
AKOA262-24T4 (C) **14 Oct 2024 - 10 Nov 2024**
AKOA262-24T4 (D) **14 Oct 2024 - 10 Nov 2024**

AKOE170 Ko wai au? Who am I?
15 Points 0.1250 EFTS
This course will support pre-service teachers to identify their personal values, beliefs and attitudes and discuss how these may impact on their emerging identity as a teacher. The pre-service teachers will be supported to develop an emerging understanding of the tensions between personal and professional identities within the teaching profession. The dimensions of hauora well-being including tinana, wairua, hinengaro, whānau and whakapapa are explored and understood in the wider context of the professional sector of early childhood education.

AKOE170-24YC1 (C) **Year C First Half**
AKOE170-24YC1 (D) **Year C First Half**

AKOE171 Whai oranga: Pursuing wellbeing of children
15 Points 0.1250 EFTS
This course establishes a foundation in theory, concepts, processes and knowledge of children's development in the early childhood period within the context of culture, whānau/family, and community. Students will acquire an understanding of the processes that take place within and across developmental domains and the risk and protective factors that shape developmental trajectories.

R: EDUC102

AKOE171-24YC1 (C) **Year C First Half**
AKOE171-24YC1 (D) **Year C First Half**

AKOE172 Infant and toddler pedagogies in action
15 Points 0.1250 EFTS
This course will introduce and explore a variety of early childhood philosophies and respectful practices that uphold the mana, confidence and competence of infants and toddlers. Pre-service students will begin to critique factors that influence specialised pedagogical practices for infants and toddlers.

AKOE172-24YC2 (C) **Year C Second Half**
AKOE172-24YC2 (D) **Year C Second Half**

AKOE173 Curriculum: Te Whariki
15 Points 0.1250 EFTS
This course provides a foundation for developing knowledge and pedagogical approaches within the early childhood curriculum, Te Whariki: He Whariki Matauranga mo nga mokopuna o Aotearoa. This course will support student teachers to develop knowledge of the early childhood curriculum and begin to help them notice the central role of identity and knowledge in fostering interests and learning of tamariki.

AKOE173-24YC1 (C) **Year C First Half**
AKOE173-24YC1 (D) **Year C First Half**

AKOE174 ECE as a contested profession: Looking back, moving forward
15 Points 0.1250 EFTS
The course is designed to provide initial early childhood teacher education students with knowledge of the social, cultural, political, and ecological contexts of early childhood education in Aotearoa | New Zealand. Students will identify and begin to critique contemporary policies and legislation that impact upon their practices by exploring the whakapapa of these governing documents and looking back at the historical, and contested, foundations of early childhood education. Identification of Te Tiriti o Waitangi informed practices will support students to develop a clear understanding of how to move forward as an kaiako into the early childhood educational sector.

AKOE174-24YC2 (C) **Year C Second Half**
AKOE174-24YC2 (D) **Year C Second Half**

AKOE270 Ngakau Urutanga Whanui: Diversity and Inclusion at the Heart
15 Points 0.1250 EFTS
The course is designed to provide initial early childhood teacher education students with knowledge of the cultures, policies and practices that contribute to inclusion and exclusion in early childhood education. As part of wider themes of belonging, relationships and communities, students in this course will develop a critical awareness of the contested pedagogies and theoretical debates around inclusion within the social, historical, cultural and political context in Aotearoa New Zealand. The barriers to effective participation and learning and how these influence practice and outcomes are considered. Students will develop their understanding, knowledge and skills to ensure that all children and their families/whānau right to belong, be included and supported in early childhood settings is upheld.

P: 30 points from 100 level AKOE

AKOE270-24YC (C) **Full Year C**
AKOE270-24YC (D) **Full Year C**

AKOE272 Becoming an Intentional Teacher
15 Points 0.1250 EFTS
This course introduces pre-service teachers to contemporary thinking related to intentional teaching in early childhood settings in bicultural Aotearoa New Zealand. Pre-service teachers will engage with theoretical and practical frameworks for responsive teaching that take account of the diverse backgrounds of tamariki and whānau and draw on local contexts. As a part of a wider progression in curriculum design, there will be a focus on the application of the processes of noticing and recognising children's interests and learning.

P: AKOE173

AKOE272-24YC2 (C) **Year C Second Half**
AKOE272-24YC2 (D) **Year C Second Half**

AKOE375 Reading between the lines: Leading the way with storying and picture books
15 Points 0.1250 EFTS
This course provides an opportunity for students to critically examine storying as a vehicle for learning within an integrated, inclusive and holistic curriculum. There is a specific emphasis on looking beyond emergent literacy in isolation to include not only language and literacy skills, but also children's dispositions, identities and working theories. The course also offers opportunities to display leadership through acknowledging and celebrating whānau funds of knowledge and their ability to promote rich storying and literacy experiences.

P: 60 points from 200 level AKOE, AKOM or AKOT

AKOE375-24YC2 (C) **Year C Second Half**
AKOE375-24YC2 (D) **Year C Second Half**

AKOM191 Mana Atua: Tipuranga Tamaiti
15 Points 0.1250 EFTS
This course is forefronted by Mātauranga Māori and will be taught and assessed bilingually: in te reo Māori and English. Mana Atua will introduce ākonga to kaupapa Māori perspectives of wellbeing ensuring all dimensions; tinana, wairua, hinengaro, whānau and whakapapa are explored. The development of tamariki from 0-12 will be explored as well as how to notice and support the unique talents and matea ako (learning needs) of diverse learners within these years.

AKOM191-24YC (D) **Full Year C**
AKOM191-24YC (C) **Full Year C**

AKOM192 Mana Reo 1
30 Points 0.2500 EFTS
This course will be taught bilingually: in te reo Māori and English. This course aims to increase the fluency of kaiako in te reo Māori and will provide a wide range of conversational and contextual opportunities to engage in te reo Māori. Kaiako will be able to demonstrate an understanding of te reo Māori me nga tikanga-a-iwi applicable to a variety of learning contexts, and informal contexts with whānau and community.

AKOM192-24YC1 (D) **Year C First Half**
AKOM192-24YC1 (C) **Year C First Half**

AKOM193 Mana Tangata 1
15 Points 0.1250 EFTS
Mana tangata will explore how to notice, celebrate and support the unique skills and strengths of our tamariki/ mokopuna. As well as how to enhance the 'kaupapa ngakau nui (the passions) of the tamaiti/ rangatahi. The Maramataka including how to plan, support, guide, teach and assess according to signs within the taiao, wairua and ihi of ākonga will be introduced.

AKOM193-24YC1 (D) **Year C First Half**
AKOM193-24YC1 (C) **Year C First Half**

AKOM194 Te Puna Marautanga 1
15 Points 0.1250 EFTS
This course provides a foundation for developing knowledge, pedagogical approaches within the early childhood curriculum, Te Whariki: He Whariki Matauranga mo nga mokopuna o Aotearoa as well as an introduction to Te Marautanga o Aotearoa and the matapono o Te Aho Matua. This course will support pre-service kaiako to develop understandings of Māori medium contexts and relevant marau and begin to help them notice the central role of whakapapa, tikanga and uara to nurture relationships and foster talents and interests.

AKOM194-24YC2 (D) **Year C Second Half**
AKOM194-24YC2 (C) **Year C Second Half**

AKOM195 Mana Whenua
15 Points 0.1250 EFTS
This course will have two main components. Both will aim to explore traditional knowledge systems that stem from te taiao, nga wai me te whenua. Through Mana Whenua ākonga will listen to kaikorero and research place based stories and pedagogies on the land in which they originated. Kāi Tahu cultural narratives will be explored as well as other purakau of different rohe in order to appreciate and teach from a historical and traditional context. Pre-service kaiako will consider how to appropriately teach purakau in both primary and early childhood contexts to engage learners and transfer knowledge whilst honouring the hau kainga. A second and integral component of this course will encourage pre-service kaiako to view themselves as kaitiaki and encourage their future ākonga to be kaimanaaki taiao. They will explore traditional mahinga kai practices including mara kai and Indigenous kai, guided by Te Maramataka as well as wider tikanga Māori practices. Kaitiakitanga of the whenua, wai and wider taiao connecting to atua Māori, will be the foundation of both components of this course. This will involve a practical component.

AKOM195-24YC2 (D) **Year C Second Half**
AKOM195-24YC2 (C) **Year C Second Half**

AKOM291 Mana Atua: Tipuranga Tamaiti 2
15 Points 0.1250 EFTS
Mana Atua will explore and analyse kaupapa Māori perspectives of wellbeing ensuring all dimensions; tinana, wairua, hinengaro, whānau and whakapapa are explored. Responding to learner needs and interests in reference to inclusive education models and Indigenous pedagogies will be explored. Language development, language acquisition and language revitalisation; centralising Māori and Indigenous forms of language transfer will be explored.

P: AKOM191 and AKOM192

AKOM291-24YC (C) **Full Year C**
AKOM291-24YC (D) **Full Year C**

AKOM292 Te Puna Marautanga 2
15 Points 0.1250 EFTS
This course will be taught bilingually: in te reo Māori and English. This course explores a range of marau and aromatawai (including and not limited to Nga Whanaketanga and Te Whatu Pokeka) linked to Māori medium contexts. Interdisciplinary learning with a strong focus on pangarau and te reo matatini and also intertwining other curriculum areas (kaupapa based learning) will be explored.

P: AKOM192 and AKOM194

AKOM292-24YC (C) **Full Year C**
AKOM292-24YC (D) **Full Year C**

AKOM293 Mana Reo 2
15 Points 0.1250 EFTS
This course will be taught bilingually: in te reo Māori and English. This course aims to further advance the fluency of kaiako in te reo Māori and will provide a wide range of conversational and contextual opportunities to engage in te reo Māori with a particular focus on 'Te Wahi Ako. Kaiako will be able to demonstrate an understanding of te reo Māori me nga tikanga-a-iwi applicable to a variety of learning contexts, and informal contexts with whānau and community with increased ability and confidence.

P: AKOM192

AKOM293-24YC1 (C) **Year C First Half**
AKOM293-24YC1 (D) **Year C First Half**

AKOM294 Mana Tangata 2
15 Points 0.1250 EFTS
Mana tangata 2 will analyse how to respond to, celebrate and support the unique skills and strengths of our tamariki/ mokopuna as well as how to enhance the 'kaupapa ngakau nui (the passions) of the tamaiti/ rangatahi. Multiple intelligences including; social intelligence, emotional intelligence, academic intelligence, cultural intelligence, linguistic intelligence, and spirituality will be explored and analysed.The Maramataka including how to plan, support, guide, teach and assess according to signs within the taiao, wairua and ihi of ākonga will be explored and analysed.

P: AKOM193

AKOM294-24YC2 (C) **Year C Second Half**
AKOM294-24YC2 (D) **Year C Second Half**

AKOP150 Teacher as Learner
15 Points 0.1250 EFTS
This course introduces pre-service teachers to what it means to be a teacher in the primary school sector in Aotearoa New Zealand. It explores theories and models of professional identity, professional learning and the expectations of conduct and integrity required to be a member of the teaching profession. It examines the teacher's role in establishing and maintaining a learning culture that supports diversity and inclusion. This course will complement learning in other courses in the Bachelor of Teaching and Learning (Primary).

AKOP150-24YC1 (C) **Year C First Half**
AKOP150-24YC1 (D) **Year C First Half**
AKOP150-24YC1 (N) **Year C First Half**

AKOP151 He taonga te tangata | The person is a treasure
15 Points 0.1250 EFTS
This course will apply child development knowledge into teaching practices and pedagogy. Students will develop a growing understanding of the different dimensions of child development that is founded on a socio-cultural model.

AKOP151-24YC2 (C) **Year C Second Half**
AKOP151-24YC2 (D) **Year C Second Half**
AKOP151-24YC2 (N) **Year C Second Half**

AKOP152 Exploring the Curriculum
15 Points 0.1250 EFTS
This course introduces pre-service teachers to contemporary thinking related to the development and intent of The New Zealand Curriculum for English-medium New Zealand schools. Students will explore The New Zealand Curriculum with a view to understanding the policy framework and its intent. Students will engage with various elements of The New Zealand Curriculum learning areas and explore opportunities for a connected curriculum. The course will complement learning in other courses in the Bachelor of Teaching and Learning (Primary), including preparation for Professional Practice.

AKOP152-24YC1 (C) **Year C First Half**
AKOP152-24YC1 (D) **Year C First Half**
AKOP152-24YC1 (N) **Year C First Half**

AKOP153 Designing the Curriculum
15 Points 0.1250 EFTS
This course will examine the different ways The New Zealand Curriculum for English-medium New Zealand schools is experienced by learners. This will support the development of positive, inclusive, learning-focussed teaching in diverse school settings. Students will engage with various learning areas through practical and collaborative experiences. They will be better informed to understand factors that impact on curriculum decision making in order to successfully design learning. The course builds upon AKOP131 'Exploring the Curriculum' and prepares students for the associated Professional Practice.

AKOP153-24YC2 (C) **Year C Second Half**
AKOP153-24YC2 (D) **Year C Second Half**
AKOP153-24YC2 (N) **Year C Second Half**

AKOP154 Curriculum for Practice: Literacy and Mathematics
15 Points 0.1250 EFTS
This course focuses on evidence-based pedagogies and practices for effective teaching and learning of literacy and mathematics from Years 0 to 8. There will be a specific emphasis on the teaching and learning of foundational knowledge and skills in literacy and mathematics. Pre-service teachers will be introduced to pedagogical and assessment practices in mathematics and literacy, while building their own content knowledge. Additionally, content within the course will support and guide learning during their professional practice experiences in year one.

AKOP154-24YC1 (C) **Year C First Half**
AKOP154-24YC1 (D) **Year C First Half**
AKOP154-24YC1 (N) **Year C First Half**

AKOP250 Teacher as Practitioner
15 Points 0.1250 EFTS
This course introduces pre-service teachers to theories and models of reflection that support practice and the development of the self as a co-learner. It explores how the Code of Professional Responsibility can support decision making and the implementation of safe practices when faced with ethical dilemmas. It examines ways to notice and understand learners and develop strategies for adapting practice within an inclusive curriculum. This course will complement learning in other courses in the Bachelor of Teaching and Learning (Primary).

P: AKOP150 and a further 30 points from 100 level AKOP

AKOP250-24YC (C) **Full Year C**
AKOP250-24YC (D) **Full Year C**
AKOP250-24YC (N) **Full Year C**

AKOP251 Weaving the Curriculum: Learning Languages and Social Sciences
15 Points 0.1250 EFTS
This course introduces pre-service teachers to contemporary thinking related to Learning Languages and Social Sciences education in primary schools in Aotearoa/New Zealand. Students will engage with theoretical and practical frameworks for responsive teaching in Social Sciences and Learning Languages that take account of learners' diverse backgrounds and draw on local contexts. Students will examine pedagogical strategies, assessment activities and resources to support their development of the knowledge, skills, and dispositions to facilitate effective learning opportunities in these two learning areas. The course will complement learning in other courses in the Bachelor of Teaching and Learning (Primary), including Professional Practice.

P: 30 points from 100 level AKOP

AKOP251-24YC1 (C) **Year C First Half**
AKOP251-24YC1 (D) **Year C First Half**
AKOP251-24YC1 (N) **Year C First Half**

AKOP252 Developing learning in literacy and mathematics
15 Points 0.1250 EFTS
This course continues to develop students' knowledge of evidence-based pedagogies and practices for the effective teaching and learning of literacy and mathematics from Years 0 to 8. Students will evaluate and apply formative and summative assessment practices in mathematics and literacy. There will be a specific emphasis on teaching literacy and mathematics in the middle and upper years of primary and intermediate schooling.

P: AKOP154 and a further 30 points from 100 level AKOP

AKOP252-24YC1 (C) **Year C First Half**
AKOP252-24YC1 (D) **Year C First Half**
AKOP252-24YC1 (N) **Year C First Half**

AKOP253 Weaving the Curriculum: The Arts and Health and Physical Education
15 Points 0.1250 EFTS
This course introduces content, pedagogy and practices associated with teaching and learning in, through and about the Arts and Health and Physical Education (HPE) in the New Zealand Curriculum (2007). Students will engage with content that will support the design of effective, inclusive classroom and learning programmes that maximise learners' physical, social, cultural and emotional safety and promote hauora/ well-being in four levels (1-4) of the New Zealand Curriculum. The course will complement learning in other courses in the Bachelor of Teaching and Learning (Primary Endorsement).

P: 30 points from 100 level AKOP

AKOP253-24YC2 (C) **Year C Second Half**
AKOP253-24YC2 (D) **Year C Second Half**
AKOP253-24YC2 (N) **Year C Second Half**

AKOP254 Weaving the Curriculum: Science and Technology
15 Points 0.1250 EFTS
This course supports pre-service teacher development of curriculum knowledge and pedagogy of teaching science and technology in schools in Aotearoa New Zealand. Pre-service teachers explore science and technology education through engagement in future focussed themes and issues situated in authentic contexts, local curriculum, and Mātauranga Māori and Matauranga-a-iwi. Pre-service teachers will successfully plan, resource, implement, assess and evaluate the learning areas of science and technology. The course will complement learning in other courses in the Primary endorsement, including Professional Practice.

P: 30 points from 100 level AKOP

AKOP254-24YC2 (C) **Year C Second Half**
AKOP254-24YC2 (D) **Year C Second Half**
AKOP254-24YC2 (N) **Year C Second Half**

AKOT100 Navigating Study at Tertiary Level - Being a Successful Learner
0 Points 0.0000 EFTS
The purpose of this compulsory zero credit course is to provide the students with a carefully structured induction to tertiary learning and teacher education. This course supports our core UC values of manaakitanga, by empowering our students; tiakitanga, by valuing and nurturing our new students; and whānaungatanga by developing learning partnerships with our students. The course encourages students to access current UC support facilities, such as Academic Skills Centre, in order to maximise their opportunity to succeed at UC.

AKOT100-24A (D) **Starts Anytime**
AKOT100-24YC1 (D) **Year C First Half**

AKOT101 Ngā Tāngata o Aotearoa: Te Mana o Te Tiriti o Waitangi
15 Points 0.1250 EFTS
This course will provide pre-service teachers with an understanding of the historical context of Te Tiriti o Waitangi and the implications across time and place. Reflecting on personal development in relation to Te Tiriti o Waitangi and making connections with emerging pedagogical practice are fundamental to the course.

AKOT101-24YC (C) **Full Year C**
AKOT101-24YC (D) **Full Year C**
AKOT101-24YC (N) **Full Year C**

AKOT110 Te Reo Māori 1: ma te Kaiako
15 Points 0.1250 EFTS
This course will be taught in English and at times in te reo Māori. This course aims to develop the pronunciation and increase the fluency of pre-service teachers in te reo Māori and will provide a range of conversational and contextual opportunities to engage in te reo Māori appropriate for the ECE and primary education sectors and beyond. Kaiako will be able to demonstrate an understanding of te reo Māori me nga tikanga-a-iwi applicable to a variety of learning contexts, and informal contexts with whānau and community.

AKOT110-24YC (C) **Full Year C**
AKOT110-24YC (D) **Full Year C**
AKOT110-24YC (N) **Full Year C**

AKOT210 Te Reo Māori 2: ma te kaiako
15 Points 0.1250 EFTS
This course will be taught and assessed in English and in te reo Māori. This course aims to further advance pronunciation and communicative competence of pre-service teachers in te reo Māori. Learning will be based on scaffolded conversational and contextual opportunities to engage in te reo Māori consistent with the level 2 achievement objectives of Te Aho Arataki Marau -TAAM (the Māori Language Curriculum for mainstream New Zealand schools) and in accordance with the kaupapa whakahaere | principles of Te Whariki (The Early Childhood Curriculum). Pre-service teachers will be able to demonstrate an understanding of te reo Māori me nga tikanga-a-iwi applicable to a variety of formal and informal learning contexts with whānau and community with increased ability and confidence.

P: AKOT110

AKOT210-24YC (C) **Full Year C**
AKOT210-24YC (D) **Full Year C**
AKOT210-24YC (N) **Full Year C**

AKOT230 Whānau tangata: Possibilities, Opportunities and Tension
15 Points 0.1250 EFTS
This course explores complex notions of whanaungatanaga, whānau and community. Students will actively engage with whānau/community in order to discover implications for education, teaching and self as an emerging teacher. Through the course, students will critique teachers' professional responsibilities and commitment to whānau community.

P: 30 points from 100 level AKOE or AKOM

AKOT230-24YC1 (C) **Year C First Half**
AKOT230-24YC1 (D) **Year C First Half**

AKOT231 Saili Matagi - 'Seeking the winds of change in Pasifika Education'
15 Points 0.1250 EFTS
This course will support Early Childhood and Primary pre-service teachers to understand key historical, socio-economic and cultural contexts/events from a range of perspectives that have informed Pasifika community experiences in Aotearoa. Pre-service teachers will identify, and critically examine, contextual factors, professional practices and pedagogical approaches required to raise the engagement and achievement/learning outcomes of Pasifika students, families and communities. To that end, this course will enable student engagement with Pasifika community leaders (and other experts) to help students contextualise their development of quality teaching practices for Pasifika learners. It will also require students to apply various Pasifika theoretical and research lens to their application of the Standards for the Teaching Profession (Our Code/Our Standards) and Tapasa (2018). Pre-service teachers will, ultimately, be supported to consider the important role they must play to support 'Saili Matagi', the 'winds of change', needed for the success of Pasifika learners in New Zealand centres and schools.

P: 30 points from 100 level AKOE, AKOM or AKOP

AKOT231-24YC1 (C) **Year C First Half**
AKOT231-24YC1 (D) **Year C First Half**

AKOT232 Whanaungatanga: Relationally connected
15 Points 0.1250 EFTS
This course examines Māori world views from both traditional and contemporary perspectives of teaching and learning and their relevance to a broad range of early childhood educational contexts. Conversant and confident applications of written te reo Māori me ona tikanga within assessment practices is an essential foci for this course. Through acknowledging the unique place of Māori as tangata whenua this provides pathways for you to implement bicultural curricula collaboratively with whānau, hapu and iwi.

P: 30 points from 100 level AKOE or AKOM

AKOT232-24YC2 (C) **Year C Second Half**
AKOT232-24YC2 (D) **Year C Second Half**

TECE105 Integrated Curriculum/ Ako and Whanaungatanga
15 Points 0.1250 EFTS
This course provides initial teacher education students with the knowledge of the central role of relationships in children's learning. The course will give an introduction to current theoretical debates related to early childhood curricula, investigating what is meant by the term 'curriculum'. Through the course students will develop their knowledge and understanding of the influence of early childhood curriculum document(s) in the context of Aotearoa New Zealand and the notion of learning through play and the importance of relationships in achieving this. The course aims to bring students to an understanding of how a range of domains can be brought together through a holistic and integrated approach to create meaningful learning experiences for children.

TECE105-24YC2 (D) **Year C Second Half**

TECE106 Rethinking Infants and Toddlers/Te Kōhungahunga
15 Points 0.1250 EFTS
This course will introduce and explore a variety of early childhood educational contexts and philosophies to demonstrate teaching and learning experiences and practices for infants, and toddlers, with their families and whānau.

TECE106-24YC1 (D) **Year C First Half**

TECE205 Negotiated, co-constructed curriculum: The multiple languages of children
15 Points 0.1250 EFTS
This course will examine the multiple languages of children within the negotiated, co-constructed early childhood curriculum of the Aotearoa New Zealand bicultural context. Students will consider the role of intentional teaching in planning for and facilitating possibilities and opportunities for multiple language experiences. Affordances and constraints for learning within the environment, and building confidence in students to listen to infants, toddlers and young children, and promote these experiences will be the foci of this course.

P: TECE105

TECE205-24YC2 (D) **Year C Second Half**

TECE358 Curriculum Design
15 Points 0.1250 EFTS
This course covers principles of learning and assessment in a sociocultural framework. It will build student understanding in relation to documentation for learning, planning and implementation in a pedagogy of play. Students will apply documentation for learning, analyse the learning and facilitate curriculum experiences for infants, toddlers and young children. They will critically reflect on their role in relation to assessment and planning. The course will provide opportunities for students to critically reflect on assessment policy and practice in New Zealand early childhood settings.

P: TECE364

TECE358-24YA2 (C) **Year A Second Half**
TECE358-24YA2 (D) **Year A Second Half**

TECE359 Te Reo me ngā Tikanga Māori
15 Points 0.1250 EFTS
This course will develop students' competence in oral and written te reo Māori, their understanding of Māori concepts and tikanga Māori as a foundation for working in early childhood and an understanding of second language acquisition approaches in order that they can apply these appropriately in an early childhood context.

TECE359-24YA (C) **Full Year A**
TECE359-24YA (D) **Full Year A**

TECE361 Holistic development, learning and culture
15 Points 0.1250 EFTS
This course provides the opportunity for students to make sense of their image of the child and to apply this to their practice. Students will debate the differences between a range of Indigenous and western paradigms of learning and development. This will allow students to develop their own position in relation to decision making alongside current policy and practice.

TECE361-24YA (C) **Full Year A**
TECE361-24YA (D) **Full Year A**

TECE362 Curriculum and Pedagogy for infants and toddlers
15 Points 0.1250 EFTS
This course introduces and explores a variety of early childhood educational contexts, philosophies and approaches. These will inform students as they work alongside family and whānau to provide teaching and learning experiences for infants and toddlers.

TECE362-24YA2 (D) **Year A Second Half**
TECE362-24YA2 (C) **Year A Second Half**

TECE364 Pedagogy of Play
15 Points 0.1250 EFTS
This course provides students with the knowledge of the central roles of relationships and play in children's learning. The course will give an introduction to current theoretical debates related to early childhood curricula. Through the course students will develop their knowledge and understanding of early childhood curriculum document(s) in the context of Aotearoa New Zealand and apply this to their practice. The course aims to bring students to an understanding of how a range of domains can be brought together through a holistic and integrated approach to create meaningful learning experiences for all children.

TECE364-24YA1 (C) **Year A First Half**
TECE364-24YA1 (D) **Year A First Half**

TECE365 The Intentional Teacher
15 Points 0.1250 EFTS
This course will examine the concept of intentional teaching with a particular focus on social justice in the Aotearoa New Zealand bicultural context. Students will consider the ways in which deliberate, thoughtful pedagogy contributes to children's collaborative learning. Students' confidence in negotiating and co-constructing curriculum with children will be developed.

R: TECE356

TECE365-24YA1 (C) **Year A First Half**
TECE365-24YA1 (D) **Year A First Half**

TECM101 Te Reo me ngā Āhuatanga Māori 1
15 Points 0.1250 EFTS
This course provides current and aspiring early-childhood and primary teachers an introduction to te reo Māori me ona tikanga appropriate for use in learning contexts and educational settings.

TECM101-24SU1 (D) **Summer (Jan 24)**
TECM101-24YC1 (D) **Year C First Half**

TECM201 Te Reo me ngā Āhuatanga Māori 2
15 Points 0.1250 EFTS
This course builds upon your growing competence and confidence in becoming an ethical bicultural teacher in Aotearoa New Zealand. Te Tiriti o Waitangi plays a significant role within the teaching profession; this course provides ākonga with opportunities to navigate the relationships of our country's founding document, Tangata Whenuatanga pedagogies and their relevance to Early Childhood Education and Primary teaching contexts. The continual strengthening of te reo Māori applications and Tikanga Māori articulations are essential features of this course; these provide robust foundations towards implementing bicultural curricula for the early childhood and primary sectors. Ways of doing or Tikanga Whakaako in language learning allows ākonga to reflect on their own language acquisition strategies and make relevant associations to key theories and/or principles of Second Language (L2) Acquisition.

P: TECM101
R: TEPI220 and TEPI221

TECM201-23SU2 (D) **Summer (Nov 23)**
TECM201-24YC1 (D) **Year C First Half**

TECM301 Te Reo me ngā Āhuatanga Māori 3
15 Points 0.1250 EFTS
To enact Te Tiriti o Waitangi as a living and relevant doctrine the teaching profession need to step up their capacity. Kaiako need to be equipped with a Te Tiriti o Waitangi skill set that they can articulate, apply, plan for, evaluate and modify comfortably and confidently. Key areas of interest for this course will support kaiako to: 1. Critique issues of power, pedagogy and policy implications for the advancement of: -te reo Māori, so that it not only survives but thrives; -tikanga Māori direct application of theory to practice; and -Māori education positive outcomes for the teaching profession Te reo Māori is the terralingua of Aotearoa New Zealand this course supports the continual advancement of te reo Māori competence and language planning. Language portrays a culture and culture that portrays a language this is a core principle of language acquisition and one that is needed to articulate why we do what we do in relation to Tikanga Māori. Tikanga Māori applications will be critically analyzed across a range of curriculum areas within the ECE setting.

P: TECM201
R: EDMI363, TECE301

TECM301-24YC1 (C) **Year C First Half**
TECM301-24YC1 (D) **Year C First Half**

TECP112 Theoretical Foundations of Literacy
15 Points 0.1250 EFTS
This is a 100 level compulsory BTchLn (Primary) course which focuses on the assessment and facilitation of foundational skills for literacy success (oral language, phonological awareness and letter-sound knowledge) within the New Zealand classroom. Students will learn to apply their knowledge of these skills to the assessment and teaching of reading and writing. The course links the New Zealand Curriculum (2007), theoretical underpinnings and research base to the oral and written language assessment and teaching strategies explored. The knowledge and use of writing conventions within a professional context are also explored.

TECP112-24YC1 (D) **Year C First Half**

TECP113 The Arts in the NZ Curriculum
15 Points 0.1250 EFTS
This course provides pre-service teachers with an introduction to the theory, and pedagogy of teaching Music, Visual Arts, and Dance and Drama in the New Zealand primary school context. The course develops the knowledge, skills and attitudes needed to successfully plan, teach and evaluate the Arts learning areas in the New Zealand Curriculum (2007). The course also aims to prepare students for further study in higher-level course and will complement learning in other courses in the Bachelor of Teaching and Learning, including Professional Practice.

TECP113-24YC2 (D) **Year C Second Half**

TECP122 Introduction to Mathematics Education
15 Points 0.1250 EFTS
This course provides pre-service teachers with an introduction to theories and pedagogies for teaching Mathematics in the New Zealand primary school context. The course introduces knowledge, skills and attitudes needed to successfully plan, teach and evaluate the Mathematics and statistics learning areas of the New Zealand Curriculum (2007). The course also aims to prepare students for further study in higher-level courses and will complement learning in other courses in the Bachelor of Teaching and Learning, including Professional Practice.

TECP122-24YC2 (D) **Year C Second Half**

TECP202 Language, Social and Cultural Studies
15 Points 0.1250 EFTS
This course introduces contemporary thinking related to cultural studies, language teaching and learning, and social science education in the revised New Zealand Curriculum (2007). The course develops the knowledge, confidence, skills, attitudes and dispositions needed to successfully plan, teach and evaluate programmes in Learning Languages, Social Sciences and ESOL, and provides a theoretical and practical framework for responsive teaching that takes account of the diverse backgrounds of children in New Zealand primary school community contexts. Students will be introduced to resources, pedagogical strategies and approaches appropriate to teaching Social Sciences and Languages (including English as a Second Language, NZSL, te reo Māori and other languages). The course will complement learning in other courses in the Bachelor of Teaching and Learning, including Professional Practice.

TECP202-24YC1 (D) **Year C First Half**

TECP212 Effective Classroom Practices in Literacy and Mathematics
15 Points 0.1250 EFTS
This compulsory course provides pre-service teachers with consolidation and further development of the theory and pedagogy of literacy and mathematics education. The course develops the knowledge, skills and attitudes needed to successfully plan, teach and evaluate the English and Mathematics & Statistics learning areas in the New Zealand Curriculum (2007). This course develops an understanding of how to identify all children's literacy needs (with a focus on reading and written language) and builds on understandings of mathematics and statistics developed in a 100 level course. This includes the processes/procedures for planning and implementing effective programmes to meet diverse needs. There is a focus on the Number and Algebra strand with particular emphasis on Levels 3 and 4. The course also aims to prepare students for further study in higher-level courses and will complement learning in other courses in the Bachelor of Teaching and Learning, including Professional Practice.

P: TECP112 and TECP122.
R: TECP220, TECP210

TECP212-24YC2 (D) **Year C Second Half**

TECP222 Health and Physical Education Curriculum
15 Points 0.1250 EFTS
This course provides pre-service teachers with an introduction to the theory, and pedagogy of teaching Health and Physical Education in the New Zealand primary school context. The course develops the knowledge, skills and attitudes needed to successfully plan, teach and evaluate the Health and Physical Education learning area in the New Zealand Curriculum (2007). The course also aims to prepare students for further study in higher-level course and will complement learning in other courses in the Bachelor of Teaching and Learning (Primary) including Professional Practice.

TECP222-24YC2 (D) **Year C Second Half**

TECP223 Science and Technology Education: Nature and Practice

15 Points 0.1250 EFTS

This is a compulsory course that will introduce students to Science and Technology Education: Nature and Practice. Science and Technology are two of the eight essential learning areas of the New Zealand Curriculum (2007). This course will be structured using the PTTER framework (Techlink 2010). Students will develop understandings of the philosophy (What is Science and Technology?), rationale (Why teach them?), curriculum content (What is their place in the New Zealand curriculum?) and implementation (How are they taught?) in the classroom (http://www.techlink.org.nz/PTTER-framework/index.htm). The course also aims to prepare students for further study in higher-level course and will complement learning in other courses in the Bachelor of Teaching and Learning (Primary) including Professional Practice.

TECP223-24YC1 (C) **Year C First Half**
TECP223-24YC1 (D) **Year C First Half**

TECP313 Literacy and Mathematics Education for All

15 Points 0.1250 EFTS

This course provides pre-service teachers with a final compulsory opportunity to extend their learning about the theory, and pedagogy of literacy and mathematics education in the New Zealand primary school context. The course extends previous knowledge about planning, teaching and evaluating programmes for the literacy and mathematics classroom. The English and Mathematics and Statistics learning areas of the New Zealand Curriculum (2007) are studied in congruence with available resources, assessment tools and planning formats to meet the needs of all diverse learners in the New Zealand primary school setting. The course will complement learning in other courses in the Bachelor of Teaching and Learning, including Professional Practice.

P: TECP212
R: TECP310
EQ: TECP310

TECP313-24YC1 (C) **Year C First Half**
TECP313-24YC1 (D) **Year C First Half**

TECP315 Language, Culture and Identity: Enhancing Educational Experiences and Outcomes for Diverse Learners

15 Points 0.1250 EFTS

This course develops pre-service teachers' cultural self-efficacy and extends their abilities to recognise and address key issues for learners from diverse cultural and linguistic backgrounds. The content includes effective pedagogies for culturally diverse learners, establishing learning partnerships, first language development, and meeting the needs of students learning English as an additional language in mainstream classrooms and early childhood settings. The course extends the knowledge, skills and dispositions developed in other courses in the BTchLn, including Professional Practice. This course also provides scaffolding for entry into the Postgraduate Diploma in Education (endorsed in Teaching and Learning Languages) offered at the University of Canterbury. The course will complement learning in other courses in the Bachelor of Teaching and Learning, including Professional Practice.

P: A minimum of 90 points from 200 level BTchLn (Early Childhood) or BTchLn (Primary) courses, including TEPI and TEPP courses.

TECP315-24YC2 (C) **Year C Second Half**
TECP315-24YC2 (D) **Year C Second Half**

TECP316 Te Ao Māori/ Mātauranga Māori: Teaching and Learning from Māori Worldviews

15 Points 0.1250 EFTS

The course is designed to give pre-service teachers the opportunity to improve and extend their te reo Māori proficiency by examining emerging and current practices related to teaching and researching te reo and using on-line technology as a support tool. The course aims to develop a rigorous approach to the theory/praxis nexus in relation to teaching te reo Māori; to promote an understanding of the role of research in contributing to improved practice and innovation; and to equip graduates with the skills to design and implement research based practices in the teaching of te reo and tikanga Māori.

P: A minimum of 90 points from 200 level BTchLn (Early Childhood) or BTchLn (Primary) courses, including TEPI, TEPP courses and TECM201.

TECP316-24YC2 (C) **Year C Second Half**
TECP316-24YC2 (D) **Year C Second Half**

TECP317 e-Learning for Transformative Education

15 Points 0.1250 EFTS

This course provides opportunities for students from the BTchLn (Primary) and BTchLn (Early Childhood) who have an interest in digital technologies and e-learning to develop the knowledge, skills and attitudes that will enable them to adopt leadership roles in this area in the future. The course extends the digital technologies learning included in other courses in the Bachelor of Teaching and Learning, including Professional Practice. This course also provides scaffolding for entry into Postgraduate qualifications (endorsed in e-Learning and Digital Technologies) offered at the university.

P: A minimum of 90 points from 200 level BTchLn (Early Childhood) or BTchLn (Primary) courses, including TEPI and TEPP courses.

TECP317-24YC2 (D) **Year C Second Half**

TECP318 Research and Inquiry in Action

15 Points 0.1250 EFTS

In this 300-level optional course, students will undertake an Inquiry based research project. They will be expected to work within the education community to identify and investigate an education related issue or topic of interest, and to gather information. Students will experience authentic research through a student-centred and scaffolded inquiry approach. They will research, synthesize and evaluate new knowledge, and make links to theory and 'best' classroom & centre practice. This process will contribute to the development of students' own teacher identity.

P: A minimum of 90 points from 200 level BTchLn (Early Childhood) or BTchLn (Primary) courses, including TEPI and TEPP courses.

TECP318-24YC2 (C) **Year C Second Half**
TECP318-24YC2 (D) **Year C Second Half**

TECP319 Sustainability and Social Justice

15 Points 0.1250 EFTS

This course recognises the importance of all citizens having the necessary skills, knowledge and dispositions to contribute to sustainable communities. An important role for teachers is to create partnerships within learning communities that support leadership, education and care, which enables children and their families/whānau to participate in New Zealand society in ecologically sustainable ways.

P: A minimum of 90 points from 200 level BTchLn (Early Childhood) or BTchLn (Primary) courses, including TEPI and TEPP courses.

TECP319-24YC2 (C) **Year C Second Half**
TECP319-24YC2 (D) **Year C Second Half**

TECP323 Literacy and Mathematics for Primary School Teaching

15 Points 0.1250 EFTS

This course provides an introduction to teaching literacy and mathematics from year 0 to 8. There is a specific emphasis on teaching beginning literacy and number in mathematics. The course builds students own pedagogical content knowledge and the use of evidence-based pedagogical approaches in the classroom.

R: TECP423

TECP323-24YA (D) **Full Year A**
TECP323-24YA (C) **Full Year A**

TECP324 Curriculum 2: Teaching and Learning in, through and about health and physical education and the arts

15 Points 0.1250 EFTS

This course explores content, pedagogy and practices associated with teaching and learning in, through and about PE, Health and The Arts in the New Zealand Curriculum (2007). Students will engage with content that will support the design of effective, inclusive classroom programmes and environments that maximise learners' physical, social, cultural and emotional safety and promote well-being in Primary and Intermediate school settings. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning.

R: TECP424

TECP324-24YA (D) **Full Year A**
TECP324-24YA (C) **Full Year A**

TECP325 Curriculum 3: Exploring Science and Technology through Collaborative Design

15 Points 0.1250 EFTS

This course supports pre-service teacher development of curriculum knowledge and pedagogy of teaching Science and Technology in schools in Aotearoa/ New Zealand. Using future-focussed themes and issues that integrate Science and Technology, pre-service teachers explore the Nature of Science and Technology through engagement in authentic contexts. Through the acquisition of knowledge, skills and attitudes, pre-service teachers will be better informed to successfully plan, resource, implement, assess and evaluate these learning areas. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary), including Professional Practice.

R: TECP425

TECP325-24YA1 (D) **Year A First Half**
TECP325-24YA1 (C) **Year A First Half**

TECP326 Curriculum 4: Learning Languages and Social Sciences in Diverse School and Community Settings

15 Points 0.1250 EFTS

This course introduces pre-service teachers to contemporary thinking related to Learning Languages and Social Sciences education in primary schools in Aotearoa/New Zealand. Students will engage with theoretical and practical frameworks for responsive teaching in Social Sciences and Learning Languages (including English as an additional language, New Zealand Sign Language, te reo Māori and other languages) that take account of learners' diverse backgrounds and draw on local contexts. Students will examine pedagogical strategies, assessment activities and resources to support their development of the knowledge, skills, and dispositions to facilitate effective learning opportunities in these two learning areas. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary), including Professional Practice.

R: TECP426

TECP326-24YA2 (D) **Year A Second Half**
TECP326-24YA2 (C) **Year A Second Half**

TECP423 Literacy and Mathematics for Primary School Teaching

15 Points 0.1250 EFTS

This course provides an introduction to teaching literacy and mathematics from year 0 to 8. There is a specific emphasis on teaching beginning literacy and number in mathematics. The course builds students own pedagogical content knowledge and the use of evidence-based pedagogical approaches in the classroom.

R: TECP323

TECP423-24YA (D) **Full Year A**

TECP423-24YA (C) **Full Year A**

TECP424 Curriculum 2: Teaching and Learning In, Through and About Health and Physical Education and The Arts

15 Points 0.1250 EFTS

This course explores content, pedagogy and practices associated with teaching and learning in, through and about PE, Health and The Arts in the New Zealand Curriculum (2007). Students will critically engage with content that will support the design of effective, inclusive classroom programmes and environments that maximise learners' physical, social, cultural and emotional safety and well-being in Primary and Intermediate school settings. The course will complement learning in other courses in the Postgraduate Diploma of Teaching and Learning.

R: TECP324

TECP424-24YA (D) **Full Year A**

TECP424-24YA (C) **Full Year A**

TECP425 Curriculum 3: Exploring Science and Technology through Collaborative Design

15 Points 0.1250 EFTS

This course supports pre-service teacher development of curriculum knowledge and pedagogy of teaching Science and Technology in schools in Aotearoa/ New Zealand. Using research, future-focussed themes and issues that integrate Science and Technology, pre-service teachers critically examine and explore the Nature of Science and Technology through engagement in authentic contexts. Through the acquisition of knowledge, skills and attitudes, pre-service teachers will be better informed to successfully plan, resource, implement, assess and evaluate these learning areas. The course will complement learning in other courses in the Postgraduate Diploma of Teaching and Learning (Primary), including Professional Practice.

R: TECP325

TECP425-24YA1 (D) **Year A First Half**

TECP425-24YA1 (C) **Year A First Half**

TECP426 Curriculum 4: Learning Languages and Social Sciences in Diverse School and Community Settings

15 Points 0.1250 EFTS

This course introduces pre-service teachers to contemporary thinking related to Learning Languages and Social Sciences education in primary schools in Aotearoa/New Zealand. Students will critically engage with theoretical and practical frameworks for responsive teaching in Social Sciences and Learning Languages (including English as an additional language, New Zealand Sign Language, te reo Māori and other languages) that take account of learners' diverse backgrounds and draw on local contexts. Students will evaluate pedagogical strategies, assessment activities and resources to deepen their development of the knowledge, skills, and dispositions to facilitate effective learning opportunities in these two learning areas. The course will complement learning in other courses in the Postgraduate Diploma of Teaching and Learning (Primary), including Professional Practice.

R: TECP326

TECP426-24YA2 (C) **Year A Second Half**

TECP426-24YA2 (D) **Year A Second Half**

TECS333 Curriculum, Pedagogy and Assessment 1: Teaching subject for junior secondary

15 Points 0.1250 EFTS

This course introduces students to curriculum, pedagogy and assessment and supports the development of pedagogical content knowledge for secondary teaching in particular subject contexts at junior secondary level. Students examine the New Zealand Curriculum (NZC), associated curriculum and assessment support materials, contemporary pedagogical developments and associated practice challenges, within the context of a junior secondary subject. There is a particular focus on knowledge foundations of subjects, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies, and design for learning within students' junior secondary subjects.

R: TECS433

TECS333-24YA1 (C) **Year A First Half**

TECS334 Curriculum, Pedagogy and Assessment 2: Teaching subject for senior secondary

15 Points 0.1250 EFTS

This course will deepen students understanding of curriculum, pedagogy and assessment as they develop pedagogical content knowledge for secondary teaching in particular subject contexts at senior secondary level. Students will examine curriculum and assessment frameworks and materials, including the New Zealand Curriculum (NZC) and the New Zealand Certificate of Educational Achievement (NCEA), contemporary pedagogical developments and associated practice challenges within the context of a specialist senior secondary subject. There is a particular focus on knowledge foundations, assessment practices, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies and design for learning within students' specialist senior secondary subjects

P: TECS333

R: TECS434

TECS334-24YA2 (C) **Year A Second Half**

TECS335 Curriculum, Pedagogy and Assessment 3: Contemporary Developments in Secondary Education

15 Points 0.1250 EFTS

This course provides a foundation for understanding curriculum, pedagogy and assessment for secondary teaching in complex and shifting secondary schooling environments. Students examine curriculum and assessment frameworks, including the New Zealand Curriculum (NZC) and the National Certificate of Educational Achievement (NCEA), different schooling contexts, contemporary pedagogical developments and associated practice challenges. They engage with questions about knowledge and whose knowledge counts in secondary education. There is a particular focus on integrated curriculum, pedagogies that support learning across subjects, assessment for learning, culturally responsive and sustaining pedagogy, literacies across the curriculum, future-focused and personalised learning, and integrated design for learning. Students collaborate with peers to explore integrated teaching and learning opportunities.

R: TECS435

TECS335-24YA (C) **Full Year A**

TECS336 Curriculum, Pedagogy and Assessment 4: Additional teaching subject for junior secondary

15 Points 0.1250 EFTS

This course is for students who wish to develop understanding of teaching and learning in relation to an additional junior secondary teaching subject. Students are introduced to curriculum, pedagogy and assessment in their additional junior secondary subject and develop pedagogical content knowledge to support teaching and learning in that subject. They examine the New Zealand Curriculum (NZC), associated curriculum and assessment support materials, contemporary pedagogical developments and associated practice challenges in relation to their additional junior secondary subject. There is a particular focus on knowledge foundations, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies, and design for learning within subject context.

R: TECS436

TECS336-24YA1 (C) **Year A First Half**

TECS337 Curriculum, Pedagogy and Assessment 5: Additional teaching subject for senior secondary

15 Points 0.1250 EFTS

This course is for students who wish to develop understanding of teaching and learning in relation to an additional senior secondary teaching subject. Students gain understanding of curriculum, pedagogy and assessment and they develop pedagogical content knowledge for secondary teaching in relation to their additional senior secondary subject. They examine curriculum and assessment frameworks and materials, including the New Zealand Curriculum (NZC) and New Zealand Certificate of Educational Achievement (NCEA), contemporary pedagogical developments and associated practice challenges within the context of their additional senior secondary subject. There is a particular focus on knowledge foundations, assessment practices, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies and design for learning within subject context.

R: TECS437

TECS337-24YA2 (C) **Year A Second Half**

TECS343 Curriculum, Pedagogy and Assessment 1: Te Reo Māori and/or Technology for Junior Secondary

15 Points 0.1250 EFTS

This course introduces students to curriculum, pedagogy and assessment and supports the development of pedagogical content knowledge for secondary teaching in te reo Māori and/or Technology at junior secondary level. Students examine the New Zealand Curriculum (NZC), associated curriculum and assessment support materials, contemporary pedagogical developments and associated practice challenges, within the context of these junior secondary subjects. There is a particular focus on knowledge foundations of subjects, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies, and design for learning within students' junior secondary subjects.

P: Subject to approval of Head of School

R: TECS333, TECS433

TECS343-24YA1 (D) **Year A First Half**

TECS344 Curriculum, Pedagogy and Assessment 2: Te Reo Māori and/or Technology for Senior Secondary

15 Points 0.1250 EFTS

In this course, students deepen their understanding of curriculum, pedagogy and assessment and the develop pedagogical content knowledge for secondary teaching in te reo Māori and/or Technology at senior secondary level. Students examine curriculum and assessment frameworks and materials, including the New Zealand Curriculum (NZC) and New Zealand Certificate of Educational Achievement (NCEA) and Vocational Education Pathways including Skills Standards, contemporary pedagogical developments and associated practice challenges within the context of a specialist senior secondary subject. There is a particular focus on knowledge foundations, assessment practices, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies and design for learning within students' specialist senior secondary subjects.

P: TECS343

R: TECS334, TECS434

TECS344-24YA2 (D) **Year A Second Half**

TECS345 Curriculum, Pedagogy and Assessment 3: Contemporary Developments in Secondary Education (Distance)

15 Points 0.1250 EFTS

This course provides a foundation for understanding curriculum, pedagogy and assessment for secondary teaching in complex and shifting secondary schooling environments. Students examine curriculum and assessment frameworks, including the New Zealand Curriculum (NZC) and the National Certificate of Educational Achievement (NCEA), different schooling contexts, contemporary pedagogical developments and associated practice challenges. They engage with questions about knowledge and whose knowledge counts in secondary education. There is a particular focus on integrated curriculum, pedagogies that support learning across subjects, assessment for learning, culturally responsive and sustaining pedagogy, literacies across the curriculum, future-focused and personalised learning, and integrated design for learning. Students collaborate with peers to explore integrated teaching and learning opportunities.

P: Subject to approval of Head of School

R: TECS335, TECS435

TECS345-24YA (D) **Full Year A**

TECS347 Curriculum, Pedagogy and Assessment 6: Additional teaching subject for senior secondary

15 Points 0.1250 EFTS

In this course, students deepen their understanding of curriculum, pedagogy and assessment and develop pedagogical content knowledge for secondary teaching at senior secondary level. Students examine curriculum and assessment frameworks and materials, including the New Zealand Curriculum (NZC) and Vocational Education Pathways including Skills Standards, contemporary pedagogical developments and associated practice challenges within the context of a specialist senior secondary subject. There is a particular focus on knowledge foundations, assessment practices, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies and design for learning within students' specialist senior secondary subjects.

P: TECS343

R: TECS334 , TECS434

TECS347-24YA2 (D) **Year A Second Half**

TECS433 Curriculum, Pedagogy and Assessment 1: Teaching subject for junior secondary

15 Points 0.1250 EFTS

This course introduces students to curriculum, pedagogy and assessment and supports the development of pedagogical content knowledge for secondary teaching in particular subject contexts at junior secondary level. Students examine the New Zealand Curriculum (NZC), associated curriculum and assessment support materials, contemporary pedagogical developments and associated practice challenges, within the context of a junior secondary subject. There is a particular focus on knowledge foundations of subjects, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies, and design for learning within students' junior secondary subjects.

R: TECS333

TECS433-24YA1 (C) **Year A First Half**

TECS434 Curriculum, Pedagogy and Assessment 2: Teaching subject for senior secondary

15 Points 0.1250 EFTS

This course will deepen students understanding of curriculum, pedagogy and assessment as they develop pedagogical content knowledge for secondary teaching in particular subject contexts at senior secondary level. Students will examine curriculum and assessment frameworks and materials, including the New Zealand Curriculum (NZC) and the New Zealand Certificate of Educational Achievement (NCEA), contemporary pedagogical developments and associated practice challenges within the context of a specialist senior secondary subject. There is a particular focus on knowledge foundations, assessment practices, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies and design for learning within students' specialist senior secondary subjects.

P: TECS433

R: TECS334

TECS434-24YA2 (C) **Year A Second Half**

TECS435 Curriculum, Pedagogy and Assessment 3: Contemporary Developments in Secondary Education

15 Points 0.1250 EFTS

This course provides a foundation for critical engagement with curriculum, pedagogy and assessment issues for secondary teaching in complex and shifting secondary schooling environments. Students examine curriculum and assessment frameworks, including the New Zealand Curriculum (NZC) and the National Certificate of Educational Achievement (NCEA), different schooling contexts, contemporary pedagogical developments and associated practice challenges. They engage with questions about knowledge and whose knowledge counts in secondary education. There is a particular focus on integrated curriculum, pedagogies that support learning across subjects, assessment for learning, culturally responsive and sustaining pedagogy, literacies across the curriculum, future-focused and personalised learning, and integrated design for learning. Students collaborate with peers to explore integrated teaching and learning opportunities.

R: TECS335

TECS435-24YA (C) **Full Year A**

TECS436 Curriculum, Pedagogy and Assessment 4: Additional teaching subject for junior secondary

15 Points 0.1250 EFTS

This course is for students who wish to develop understanding of teaching and learning in relation to an additional junior secondary teaching subject. Students are introduced to curriculum, pedagogy and assessment in their additional junior secondary subject and develop pedagogical content knowledge to support teaching and learning in that subject. They critically examine the New Zealand Curriculum (NZC), associated curriculum and assessment support materials, contemporary pedagogical developments and associated practice challenges in relation to their additional junior secondary subject. There is a particular focus on knowledge foundations, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies, and design for learning within subject context.

R: TECS336

TECS436-24YA1 (C) **Year A First Half**

TECS437 Curriculum, Pedagogy and Assessment 5: Additional teaching subject for senior secondary

15 Points 0.1250 EFTS

This course is for students who wish to develop understanding of teaching and learning in relation to an additional senior secondary teaching subject. Students gain understanding of curriculum, pedagogy and assessment and they develop pedagogical content knowledge for secondary teaching in relation to their additional senior secondary subject. They critically examine curriculum and assessment frameworks and materials, including the New Zealand Curriculum (NZC) and New Zealand Certificate of Educational Achievement (NCEA), contemporary pedagogical developments and associated practice challenges within the context of their additional senior secondary subject. There is a particular focus on knowledge foundations, assessment practices, culturally responsive and sustaining pedagogies that support learning for all, relevant subject-specific literacies and design for learning within subject context.

R: TECS337

TECS437-24YA2 (C) **Year A Second Half**

TEDU105 Cultural Studies/Te Tirohanga Ahurea

15 Points 0.1250 EFTS

This compulsory course will begin to prepare initial teacher education early childhood students to become competent bicultural and intercultural teachers of Aotearoa New Zealand.

TEDU105-24YC2 (D) **Year C Second Half**

TEDU201 Teaching, Learning and Assessment

15 Points 0.1250 EFTS

This course develops knowledge about learning and assessment and the relationships between learning, teaching and assessment in school and early childhood education contexts. It gives initial teacher education students opportunities to develop knowledge for teaching and learning by examining what is known about the conditions for learning and emerging issues regarding the role of assessment in learning.

TEDU201-24YC1 (D) **Year C First Half**

TEDU206 Inclusive Education in Early Childhood/Te Aotūroa Tātaki

15 Points 0.1250 EFTS

The course is designed to provide initial early childhood teacher education students with knowledge of inclusion and exclusion in early childhood education. The focus will be on knowledge of the cultures, policies and practices that contribute to the inclusion and exclusion of children and their families/whānau in early childhood education. It is important that students develop a critical awareness of the contested pedagogies and theoretical debates around inclusion in early childhood education within the social, historical, cultural and political context in New Zealand. Students will develop their understanding, knowledge and skills to ensure that all children and their families/whānau are included and supported in regular early childhood settings.

TEDU206-24YC2 (D) **Year C Second Half**

TEDU301 Inclusive and Special Education

15 Points 0.1250 EFTS

This course provides in-depth consideration and analysis of the critical issues, policies and evidence-based practices in the fields of inclusive and special education. Historical and contemporary policy and legislation are examined to determine how these influence both the intended and the operational curriculum. The barriers to effective participation of all children such as teachers' beliefs, values and attitudes and how these influence practice and outcomes for all children in regular early childhood education and primary learning contexts are considered. Students will also explore evidence-based teaching strategies that support the participation and development of children with specific learning needs across these contexts.

TEDU301-24YC2 (C) **Year C Second Half**

TEDU301-24YC2 (D) **Year C Second Half**

TEDU305 Discovering Early Years Education

15 Points 0.1250 EFTS

This course will examine the histories, policies and research, which have contributed to the current contexts and practices within early years education (including early childhood education and the early school years) in Aotearoa New Zealand, and in international contexts.

TEDU305-24YC1 (C) **Year C First Half**

TEDU305-24YC1 (D) **Year C First Half**

TEPI101 The Profession of Teaching
15 Points 0.1250 EFTS
This course is a 100 level, compulsory, foundation course for the BTchLn (Early Childhood) and BTchLn (Primary). The course is an introduction to what it means to be a teacher in early childhood and primary contexts in New Zealand. It provides student teachers with knowledge of the major threads, conceptual framework and foundation documents that are fundamental to the BTchLn initial teacher education qualification. The course includes a two-day Treaty of Waitangi workshop and a two-week professional practice placement in an early childhood centre or primary school.

TEPI101-24YC1 (D) **Year C First Half**

TEPI105 Teacher Identity/Ngā Tirohanga Whānui
15 Points 0.1250 EFTS
This course specifically aims to give students the opportunity to examine their values, attitudes and beliefs in regard to children, childhoods, whānau and early childhood contexts, and to explore how these impact on their understandings of themselves as teachers. This course will support students to articulate aspects of their developing teaching philosophy.

P: TEPI101

TEPI105-24A (D) **Starts Anytime**
TEPI105-24YC2 (D) **Year C Second Half**

TEPI205 Professional Responsibilities and Relationships/Ngā Tirohanga Whānui
15 Points 0.1250 EFTS
This course will support initial teacher education students to explore their role as a committed member of the teaching profession.

P: TEPI105

TEPI205-24YC1 (D) **Year C First Half**

TEPI206 The Teacher's Role in Numeracy and Literacy/Ngā Tirohanga Whānui
15 Points 0.1250 EFTS
This course will allow the students to examine the role of the early childhood teacher in helping children develop pre - literacy and numeracy skills. Students will become familiar with the requirements of the New Zealand curriculum in relation to numeracy and literacy. They will use the holistic approach of Te Whariki to ensure that they are able to provide children with the experiences they need as part of their early childhood experience so that they have an excellent foundation in literacy and numeracy with which to begin their formal education. Students will develop an understanding of what children need to know and will develop the skills which will enable them to provide appropriate literacy and numeracy experiences throughout the early childhood programme. Students will also develop skills in presenting information on literacy and numeracy to whānau and the ability to assist whānau to help their own children in these areas.

P: TEPI205

TEPI206-24YC2 (D) **Year C Second Half**

TEPI222 Professional Inquiry: Designing for Learning
15 Points 0.1250 EFTS
This course will further develop students' understanding and knowledge of how to give effect to the vision of the New Zealand Curriculum and Te Marautanga o Aotearoa. Students will experience, as well as learn about, the dimensions of effective pedagogy and how these dimensions inform the principles and practice of designing and implementing effective learning experiences, including good practice for Māori and Pasifika learners. Students will implement these understandings when undertaking the associated Professional Practice course.

P: TEPP102

TEPI222-24YC2 (D) **Year C Second Half**

TEPI230 Informing Teaching and Learning through Community Engagement
15 Points 0.1250 EFTS
This course engages pre-service teachers in relational community-based experiential learning. The course includes relevant multi-disciplinary academic content, and guided reflection to support students' exploration of their role as committed members of the community. There is an expectation of enhanced understandings of intercultural knowledges and professional identity, and the ability to transfer that learning into formal educational settings.

P: TEPI105 (ECE) or TEPP102 (Primary)
R: TEPP205

TEPI230-24YC1 (D) **Year C First Half**

TEPI305 The Teacher's Role in Learning and Assessment/Ngā Tirohanga Whānui
15 Points 0.1250 EFTS
This course explores sociocultural assessment theories and related, foregrounding the principles of Te Whariki and the teacher's role as it relates to current pedagogies in learning. Students will develop the skills and knowledge necessary to provide meaningful formative assessment, which forms the basis for planning for infants, toddlers and young children, including transitions to, within and from early childhood settings.

P: TEPI206

TEPI305-24YC1 (C) **Year C First Half**
TEPI305-24YC1 (D) **Year C First Half**

TEPI306 The Pedagogical Threads of Teaching/Te Umanga Ako - Tuia!
15 Points 0.1250 EFTS
This course will require students to revisit the 'threads' of the programme as part of ensuring that they are able to articulate a philosophy of teaching and have a clear understanding both of the teacher registration process and their professional responsibilities.

P: TEPI305

TEPI306-24YC2 (C) **Year C Second Half**
TEPI306-24YC2 (D) **Year C Second Half**

TEPI313 Professional Learning and Inquiry 1
15 Points 0.1250 EFTS
This course supports the development of foundational professional and pedagogical understandings for teaching and learning in schools in Aotearoa New Zealand. Students will engage with the sociocultural context of schooling, Ministry of Education documents, professional frameworks and research that will support the development of positive, inclusive, learning-focussed professional practices and environments in diverse school settings. Students complete a Treaty of Waitangi workshop within the course. The course complements learning in other courses and supports preparation for the first Professional Practice course in the GradDipTchgLn primary and secondary endorsements.

R: TEPI413

TEPI313-24YA1 (D) **Year A First Half**
TEPI313-24YA1 (C) **Year A First Half**

TEPI314 Professional Learning and Inquiry 2
15 Points 0.1250 EFTS
This course builds upon TEPI313 Professional Learning and Inquiry 1 and TEPP313 Professional Practice 1. It provides an opportunity for students to deepen understandings of professional and pedagogical aspects of teaching. Students will engage with contemporary educational issues and practice challenges including pedagogies for diverse learners and learning environments, and digital leadership. There is an emphasis on becoming an inquiring and reflective teacher, using 'teaching as inquiry' and evidence-based approaches to enhance learning. The course will prepare students for the associated Professional Practice course and also complement learning in other courses in the Graduate Diploma of Teaching and Learning.

P: TEPI313
R: TEPI1614

TEPI314-24YA2 (C) **Year A Second Half**
TEPI314-24YA2 (D) **Year A Second Half**

TEPI315 Understanding Every Learner: Intercultural and Inclusive Education
15 Points 0.1250 EFTS
Every learner is unique. This course will support student teachers to increase their understanding of the variety of unique characteristics that learners bring with them into school and learning settings while also providing them with frameworks for understanding each learner as a whole person. Intercultural understandings will be addressed by challenging ideas of normality; inclusiveness will be addressed through an abilities-based approach and tangata whenuatanga; and behaviour will be viewed as a medium of communication. From a practice perspective, the course will focus on what teachers can do to change and adapt their practices to meet the needs of every learner.

R: TEPI1415

TEPI315-24YA (D) **Full Year A**
TEPI315-24YA (C) **Full Year A**

TEPI316 Tō tātou reo, ā tātou tikanga
15 Points 0.1250 EFTS
This course will support student teachers to extend their personal proficiency in te reo Māori through a communicative approach to language learning. Emphasis will be placed on student teachers learning how the use te reo Māori in their planning for teaching and in their everyday school practices as a teacher. It will also assist student teachers to understand their role in the revitalisation process of te reo Māori. Tikanga Māori and tikanga ā-iwi will be incorporated in this course through place-based pedagogies and socio-cultural understandings of knowledge. The course will draw explicitly from the core competencies of Tataiako (Ministry of Education, 2011) which will be enhanced by including the value of kaitiakitanga

R: TEPI1416

TEPI316-24YA (D) **Full Year A**
TEPI316-24YA (C) **Full Year A**

TEPI320 Professional Inquiry and Te Reo me ngā Āhuatanga Māori 3A
15 Points 0.1250 EFTS
This is a compulsory BTchLn (Primary) course that further aims to develop understanding and knowledge of the profession of teaching. The course has two components. One prepares students to design needs-based learning experiences using an integrated learning approach and to report on the extent to which new learning occurs. The other further develops student's respect for, and advancing competence in, te reo Māori and their ability to reflect on their role as a co-learner and teacher of Te Reo me ngā Āhuatanga Māori.

P: TEPI222 and TECM201

TEPI320-24YC1 (C) **Year C First Half**
TEPI320-24YC1 (D) **Year C First Half**
TEPI320-24YC1 (N) **Year C First Half**

TEPI321 Professional Inquiry and Te Reo me ngā Āhuatanga Māori 3B
15 Points 0.1250 EFTS
This is a compulsory BTchLn (Primary) course that completes pre-service student's understanding and knowledge of the profession of teaching. The course has two components. The first prepares students as they transition from pre-service student to beginning teacher. The second further develops student's respect for, and advancing competence in, te reo Māori and their understanding of education in the Aotearoa/New Zealand context.

P: TEPI320

TEPI321-24YC2 (C) **Year C Second Half**
TEPI321-24YC2 (D) **Year C Second Half**
TEPI321-24YC2 (N) **Year C Second Half**

TEPI361 Becoming a professional teacher
15 Points 0.1250 EFTS
This course will guide students in the development of a professional framework for their work with children, families, and colleagues. It will examine the role and responsibilities of the ECE teacher. Students will learn how to integrate theory and practice.

C: TEPP361

TEPI361-24YA1 (C) **Year A First Half**
TEPI361-24YA1 (D) **Year A First Half**

TEPI362 Being a professional teacher
15 Points 0.1250 EFTS
This course provides the link between theory and early childhood centre practice. It will equip students with the skills to be ethical teachers and competent team members and will clarify for students the myriad of administrative tasks associated with early childhood teaching. The course will assist students in developing a professional framework for their work with children and adults in early childhood settings, with particular focus on a biculturally responsive framework for work with tamariki and whānau.

P: TEPI361 and TEPP361
C: TEPP362

TEPI362-24YA2 (D) **Year A Second Half**
TEPI362-24YA2 (C) **Year A Second Half**

TEPI413 Professional Learning and Inquiry 1
15 Points 0.1250 EFTS
This course supports the development of foundational professional and pedagogical understandings for teaching and learning in schools in Aotearoa/ New Zealand. Students will critically engage with Ministry of Education documents, professional frameworks and research that will support the development of positive, inclusive learning-focussed professional practices and environments in diverse school settings. Students complete a Treaty of Waitangi workshop within the course. The course complements learning in other courses and supports preparation for the first Professional Practice course in the PGDipTchgLn primary and secondary endorsements.

R: TEPI313

TEPI413-24YA1 (D) **Year A First Half**
TEPI413-24YA1 (C) **Year A First Half**

TEPI415 Understanding Every Learner: Intercultural and Inclusive Education
15 Points 0.1250 EFTS
Every learner is unique. This course will support student teachers to increase their understanding of the variety of unique characteristics that learners bring with them into school and learning settings while also providing them with frameworks for understanding each learner as a whole person. Intercultural understandings will be addressed by challenging ideas of normality; inclusiveness will be addressed through an abilities-based approach and tangata whenuatanga; and behaviour will be viewed as a medium of communication. From a practice perspective, the course will focus on what teachers can do to change and adapt their practices to meet the needs of every learner.

R: TEPI315

TEPI415-24YA (D) **Full Year A**
TEPI415-24YA (C) **Full Year A**

TEPI416 Tō tātou reo, ā tātou tikanga
15 Points 0.1250 EFTS
This course will support student teachers to extend their personal proficiency in te reo Māori through a communicative approach to language learning. Emphasis will be placed on student teachers learning how the use te reo Māori in their planning for teaching and in their everyday school practices as a teacher. It will also assist student teachers to understand and evaluate their role in the revitalisation process of te reo Māori. Tikanga Māori and tikanga ā-iwi will be incorporated in this course through place-based pedagogies and socio-cultural understandings of knowledge. The course will draw explicitly from the core competencies of Tataiako (Ministry of Education, 2011) which will be enhanced by including the value of kaitiakitanga.

R: TEPI316

TEPI416-24YA (D) **Full Year A**
TEPI416-24YA (C) **Full Year A**

TEPI614 Professional Learning and Inquiry 2
15 Points 0.1250 EFTS
This course builds upon TEPI413 Professional Learning and Inquiry 1 and TEPP413 Professional Practice 1. It provides an opportunity for students to deepen understandings of professional and pedagogical aspects of teaching. Students will synthesise research-informed and experience-based knowledge in critical examination of their own and others' professional and pedagogical practices. Students will engage critically with contemporary educational issues and practice challenges including pedagogies for diverse learners and learning environments, and digital leadership. There is an emphasis on becoming an inquiring and critically reflective teacher, using 'teaching as inquiry' and evidence-based approaches to enhance learning. The course will prepare students for the associated Professional Practice course and also complement learning in other courses in the Postgraduate Diploma of Teaching and Learning.

P: TEPI413
R: TEPI314

TEPI614-24YA2 (C) **Year A Second Half**
TEPI614-24YA2 (D) **Year A Second Half**

TEPI615 Research for Teaching
30 Points 0.2500 EFTS
Students in this course will examine contemporary educational issues that teachers face in practice in classrooms, schools, and communities. Students will unpack problems of practice using multiple theoretical and practice-based lenses. Issues of social justice, equity, diversity, tangata whenuatanga, and the ecological and cultural aspects of schools and schooling will be the central focus of the course, with student-directed topics also being explored. Positioning the teacher as researcher will allow students to explore varying approaches to educational research.

P: TEPI614

TEPI615-24X (C) **11 Nov 2024 - 19 Jan 2025**
TEPI615-24X (D) **11 Nov 2024 - 19 Jan 2025**

TEPP102 The Profession of Teaching: Understanding Learning
15 Points 0.1250 EFTS
This course is designed to deliver through practical application and first-hand experience in classrooms, the necessary curriculum and pedagogical content required of primary teachers. These experiences enable the student, his/her lecturers and associate teacher to systematically evaluate his/her developing knowledge and skill, identify emergent needs, and to record the student's progress in achieving course learning outcomes.

TEPP102-24A (D) **Starts Anytime**
TEPP102-24YC2 (D) **Year C Second Half**

TEPP206 Professional Practice: Focus on Numeracy and Literacy
15 Points 0.1250 EFTS
This is a 200 level compulsory course which focuses on integrating and applying the theoretical knowledge of the BTchLn courses in early childhood settings for a 5 week period. TEPP206 Professional Practice 4 has a particular focus for students on their role in the provision of numeracy and literacy experiences within an early childhood context of Aotearoa New Zealand.

P: TEPI230

TEPP206-24A (D) **Starts Anytime**
TEPP206-24T3 (D) **26 Aug 2024 - 29 Sep 2024**

TEPP221 Professional Practice: Organising for Learning
15 Points 0.1250 EFTS
This course is designed to deliver through practical application and first-hand experience in classrooms, the necessary curriculum and pedagogical content required of primary teachers. These experiences enable the student, his/her lecturers and associate teacher to systematically evaluate his/her developing knowledge and skill, identify emergent needs, and to record the student's progress in achieving course learning outcomes.

P: TEPI230, TECM101
C: TEPI222
R: TEPP211

TEPP221-24A (D) **Starts Anytime**
TEPP221-24T3 (D) **26 Aug 2024 - 29 Sep 2024**

TEPP305 Professional Practice: Assessment and Planning
15 Points 0.1250 EFTS
TEPP305 Professional Practice 5 has a particular focus for students on assessment and planning in an early childhood context of Aotearoa New Zealand. Students will be expected to integrate knowledge and skills from year one and year two courses and be able to observe and engage in planning and assessment within the centre programme.

P: TEPP206

TEPP305-24A (D) **Starts Anytime**
TEPP305-24T1 (C) **11 Mar 2024 - 14 Apr 2024**
TEPP305-24T1 (D) **11 Mar 2024 - 14 Apr 2024**

TEPP306 Professional Practice: Pedagogical Threads
15 Points 0.1250 EFTS
This course provides students with opportunities to progress towards the demonstration of appropriate competencies and professional qualities. The course is closely linked to The profession of Teaching - Te Umanga Ako - Tuia. Associate Teachers assist Te Kura Whakangungu Kaiako | School of Teacher Education to assess students' developing competence as a teacher.

P: TEPP305

TEPP306-24A (D)	**Starts Anytime**
TEPP306-24T3 (C)	**22 July 2024 - 25 Aug 2024**
TEPP306-24T3 (D)	**22 July 2024 - 25 Aug 2024**

TEPP313 Teaching Professional Practice 1
15 Points 0.1250 EFTS
This course and first teaching practice experience provides opportunities for pre-service teachers to enact learning about teaching and demonstrate professional skills, knowledge and dispositions. Pre-service teachers develop practice competence in school contexts, with professional support. Practice experience is focused on understanding and responding to learners, design for learning, establishing a learning-focused culture, fostering professional relationships, enacting principles relating to Te Tiriti o Waitangi, and engaging in professional learning. The course and teaching practice experience are closely linked to other courses in the GradDipTchgLn programme, through which opportunities are provided for examination of practice-related challenges and contributions to assignment requirements across the programme.

C: TEPI313
R: TEPP413

TEPP313-24A (C)	**Starts Anytime**
TEPP313-24T1 (C)	**01 Apr 2024 - 02 June 2024**
TEPP313-24T1 (D)	**01 Apr 2024 - 02 June 2024**

TEPP314 Teaching Professional Practice 2
15 Points 0.1250 EFTS
This course and second teaching practice experience provides opportunities for pre-service teachers to deepen their learning and reflection on teaching and demonstrate professional skills, knowledge and dispositions. Pre-service teachers deepen practice competence in school contexts, with professional support. Practice experience is focused on understanding and responding to learners, design for learning, establishing a learning-focused culture, fostering professional relationships, enacting principles relating to Te Tiriti o Waitangi, and engaging in professional learning. The course and teaching practice experience are closely linked to other courses in the GradDipTchgLn programme, through which opportunities are provided for examination of practice-related challenges and contributions to assignment requirements across the programme.

P: TEPP313
C: TEPI314
R: TEPP414

TEPP314-24A (C)	**Starts Anytime**
TEPP314-24T3 (C)	**05 Aug 2024 - 29 Sep 2024**
TEPP314-24T3 (D)	**05 Aug 2024 - 29 Sep 2024**

TEPP320 Professional Practice: Understanding Myself as a Teacher
15 Points 0.1250 EFTS
This course is designed to deliver through practical application and first-hand experience in classrooms, the necessary curriculum and pedagogical content required of primary teachers. These experiences enable the student, his/her lecturers and associate teacher to systematically evaluate his/her developing knowledge and skill, identify emergent needs, and to record the student's progress in achieving course learning outcomes.

P: TEPI222 and TEPP221

TEPP320-24A (D)	**Starts Anytime**
TEPP320-24T1 (C)	**11 Mar 2024 - 14 Apr 2024**
TEPP320-24T1 (D)	**11 Mar 2024 - 14 Apr 2024**
TEPP320-24T1 (N)	**11 Mar 2024 - 14 Apr 2024**

TEPP321 Professional Practice: Being a Teacher
15 Points 0.1250 EFTS
This course is designed to deliver through practical application and first-hand experience in classrooms, the necessary curriculum and pedagogical content required of primary teachers. These experiences enable the student, his/her lecturers and associate teacher to systematically evaluate his/her developing knowledge and skill, identify emergent needs, and to record the student's progress in achieving course learning outcomes.

TEPP321-24A (D)	**Starts Anytime**
TEPP321-24T3 (C)	**22 July 2024 - 25 Aug 2024**
TEPP321-24T3 (D)	**22 July 2024 - 25 Aug 2024**
TEPP321-24T3 (N)	**22 July 2024 - 25 Aug 2024**

TEPP332 Professional Practice 2
15 Points 0.1250 EFTS
This second practicum course provides an intensive school-based opportunity for students to work collaboratively with one mentor/associate teacher for a prolonged period of time. Students will conduct observations, and use these, in conjunction with advice and guidance from their mentor teacher and content covered in other initial teacher education courses, to inform their planning, teaching, management and assessment strategies and the subsequent evaluation / critical appraisal of their teaching and professional development. Teaching experiences will progress, with students taking increasingly independent responsibility for full programme / class management as the placement progresses. These experiences and reflective practices enable the student, his/her lecturers and the associate teacher to provide formative feedback on his/her developing knowledge and skill, identify emergent needs, and to record the student's progress in achieving the course learning outcomes. Course outcomes are described as a series of competencies. The course will both complement and apply learning in other courses in the Graduate Diploma of Teaching and Learning (Primary).

P: TEPI331 and TECP331 and TEPP331
C: TEPI332 and TECP332

TEPP332-24A (D)	**Starts Anytime**

TEPP361 Professional Practice 1
15 Points 0.1250 EFTS
This course provides students with opportunities to progress towards the demonstration of appropriate competencies and professional qualities. The course is closely linked to TEPI361, TECE359, TECE362 and TECE364. Associate Teachers assist the College to assess students' developing competence as a teacher.

C: TEPI361

TEPP361-24A (C)	**Starts Anytime**
TEPP361-24X (C)	**26 Feb 2024 - 09 June 2024**
TEPP361-24X (D)	**26 Feb 2024 - 09 June 2024**

TEPP362 Professional Practice 2
15 Points 0.1250 EFTS
This course provides students with opportunities to progress towards the demonstration of appropriate competencies and professional qualities. The course is closely linked to TEPI361, TEPI 362, TECE 359, TECE 361, TECE 358 and TECE 365. Associate Teachers assist the College to assess students' developing competence as a teacher.

P: TEPP361 and TEPI361
C: TEPI362

TEPP362-24A (C)	**Starts Anytime**
TEPP362-24T3 (C)	**26 Aug 2024 - 27 Oct 2024**
TEPP362-24T3 (D)	**26 Aug 2024 - 27 Oct 2024**

TEPP371 Teaching Practice 2
15 Points 0.1250 EFTS
This course extends the requirements of TEPP370 so that students take a greater role in planning and teaching a sequence of lessons, building towards teaching a unit of work with at least one class. Students continue to take an increased responsibility for class management including corrective management of students. This course requires the students to assume responsibility for all aspects of teaching a unit of work at different class levels. These responsibilities include formative and summative assessment of learning, scaffolding of learning over time and attending to the learning needs of diverse students within a class. The teaching practice portfolio includes critical reflection about their teaching that takes account of a range of evidence of student learning. The focus is also on more interactive teaching strategies within both whole class and student activity. Each student's teaching practice portfolio includes critical evaluation and reflection of their teaching. Expected outcomes are described as a set of competencies that are assessed by associate teachers and college lecturers.

P: TEPP370
C: TEPI371
R: EDTP307

TEPP371-24A (C)	**Starts Anytime**

TEPP413 Teaching Professional Practice 1
15 Points 0.1250 EFTS
This course and first teaching practice experience provides opportunities for pre-service teachers to enact learning and critically reflect on teaching and demonstrate professional skills, knowledge and dispositions. Pre-service teachers develop practice competence in school contexts, with professional support. Practice experience is focused on understanding and responding to learners, design for learning, establishing a learning-focused culture, fostering professional relationships, enacting principles relating to Te Tiriti o Waitangi, and engaging in professional learning. The course and teaching practice experience are closely linked to other courses in the PGDipTchgLn programme, through which opportunities are provided for examination of practice-related challenges and contributions to assignment requirements across the programme.

C: TEPI413
R: TEPP313

TEPP413-24A (C)	**Starts Anytime**
TEPP413-24T1 (C)	**01 Apr 2024 - 02 June 2024**
TEPP413-24T1 (D)	**01 Apr 2024 - 02 June 2024**

TEPP414 Teaching Professional Practice 2
15 Points 0.1250 EFTS
This course and second teaching practice experience provides opportunities for pre-service teachers to deepen their learning and critical reflection on teaching and demonstrate professional skills, knowledge and dispositions. Pre-service teachers deepen practice competence in school contexts, with professional support. Practice experience is focused on understanding and responding to learners, design for learning, establishing a learning-focused culture, fostering professional relationships, enacting principles relating to Te Tiriti o

Waitangi, and engaging in professional learning. The course and teaching practice experience are closely linked to other courses in the PGDipTchgLn programme, through which opportunities are provided for examination of practice-related challenges and contributions to assignment requirements across the programme.

P: TEPP413
C: TEPI614
R: TEPP314

TEPP414-24A (C)	**Starts Anytime**
TEPP414-24T3 (C)	**05 Aug 2024 - 29 Sep 2024**
TEPP414-24T3 (D)	**05 Aug 2024 - 29 Sep 2024**

Transitions

Taunaki Ākonga | Student Transitions and Engagement

TRNS001 Introduction to Academic Writing

15 Points 0.1250 EFTS

This course provides an introduction to the conventions of academic reading, writing, referencing and research. Students will be introduced to a variety of study skills such as time management, reflection and revision.

P: Subject to approval of the Programme Manager.
R: PREP001, BRDG006

TRNS001-23SU2 (C)	**Summer (Nov 23)**
TRNS001-23SU2 (D)	**Summer (Nov 23)**
TRNS001-24B1 (C)	**Bridging 1**
TRNS001-24B1 (D)	**Bridging 1**
TRNS001-24B3 (C)	**Bridging 3**
TRNS001-24B3 (D)	**Bridging 3**

TRNS002 Te Uku: The Peopling of Aotearoa

15 Points 0.1250 EFTS

The purpose of this course is to give students a foundational knowledge base on the history of migration and peopling of the Pacific with a strong focus on Aotearoa and the political connections between Māori and the British Crown. With the analysis of various forms of media and historical texts, TRNS002 explores contemporary truths of Aotearoa and examines how influence and perception have moulded New Zealand culture, politics, and society.

P: Subject to approval of the Programme Manager
R: BRDG035

TRNS002-23SU2 (C)	**Summer (Nov 23)**
TRNS002-23SU2 (D)	**Summer (Nov 23)**
TRNS002-24B1 (C)	**Bridging 1**
TRNS002-24B1 (D)	**Bridging 1**
TRNS002-24B3 (C)	**Bridging 3**
TRNS002-24B3 (D)	**Bridging 3**

TRNS003 Introduction to Social Issues and Challenges

15 Points 0.1250 EFTS

The purpose of this course is to give students an introduction to the social sciences by closely examining a variety of perspectives on social issues within Aotearoa and beyond. It introduces students to the exploration of how institutions and dominant paradigms influence social thought and norms at particular times. Through the analysis of texts and media, this comparative study of societies will cover topics that provide insights into local and international approaches to social issues.

P: Subject to approval of the Programme Manager
R: BRDG011 and BRDG034

TRNS003-24SU1 (C)	**Summer (Jan 24)**
TRNS003-24SU1 (D)	**Summer (Jan 24)**
TRNS003-24B2 (C)	**Bridging 2**
TRNS003-24B2 (D)	**Bridging 2**
TRNS003-24B4 (C)	
TRNS003-24B4 (D)	

TRNS004 Teacher Education and Educational Studies

15 Points 0.1250 EFTS

In this course, students are introduced to the nature and purpose of education, and educational theories and concepts within the Aotearoa New Zealand context. Students will also be introduced to key documents, namely Te Whariki and the New Zealand Curriculum. Under te patai 'Ko wai au?' students are expected to share who they are in a pepeha. The course builds towards a critical reflection on how educational theories and concepts learned may relate to students' own beliefs, attitudes, and values as they enter teaching and related professions.

P: Subject to approval of the Programme Manager.
R: PREP018, BRDG014

TRNS004-24SU1 (C)	**Summer (Jan 24)**
TRNS004-24SU1 (D)	**Summer (Jan 24)**
TRNS004-24B2 (C)	**Bridging 2**
TRNS004-24B2 (D)	**Bridging 2**
TRNS004-24B4 (C)	
TRNS004-24B4 (D)	

TRNS005 Exploring the Psychology and Biology of the Human Mind

15 Points 0.1250 EFTS

This course will introduce students to the main psychological approaches used to explain behaviour and key biological concepts relevant to human biology such as genetic expression and variation, basic cellular processes and evolution. Students will also discuss ethical challenges associated with research in the fields of biology and psychology.

P: Subject to approval of the Programme Manager

TRNS005-24SU1 (C)	**Summer (Jan 24)**
TRNS005-24SU1 (D)	**Summer (Jan 24)**
TRNS005-24B2 (C)	**Bridging 2**
TRNS005-24B2 (D)	**Bridging 2**
TRNS005-24B4 (C)	
TRNS005-24B4 (D)	

TRNS006 Elementary Chemistry

15 Points 0.1250 EFTS

This course is designed to provide students with a basic understanding of chemical principles and the language of chemistry in order to better describe the properties and reactions of elements and compounds. Laboratory sessions will allow students to apply their knowledge and develop their practical skills. Students will be introduced to key chemical principles as they study a range of chemical reactions, including precipitation reaction, oxidation-reduction reactions, acid-base reactions, equilibrium reactions and some simple organic reactions, throughout the course. Key chemical principles covered include; atomic structure, chemical bonding, Bronsted-Lowry theory of acids and bases, Lewis Diagrams, molecular shape, energy and enthalpy in chemistry, Le Chatelier's principle, qualitative and quantitative analysis and the mole concept. As this is an introductory course it has been designed to allow for students with little or no background in chemistry. However, students with a weak chemistry background will find the course challenging and will need to spend more time studying in their own time.

P: Subject to approval of the Programme Manager.
R: PREP010, BRDG023

TRNS006-24SU1 (C)	**Summer (Jan 24)**
TRNS006-24B2 (C)	**Bridging 2**
TRNS006-24B4 (C)	

TRNS007 Preparatory Mathematics

15 Points 0.1250 EFTS

In this course, students will develop basic skills in algebra, including the application of algebra to the physical sciences and commerce. Students will also be introduced to some basic concepts in trigonometry and calculus. The course aims to build students' confidence and the mathematical knowledge and skills necessary for success in MATH101: Methods of Mathematics.

P: Subject to approval of the Programme Manager.
R: BRDG015, FOUN046, BRDG018, BRDG016

TRNS007-23SU2 (C)	**Summer (Nov 23)**
TRNS007-24B1 (C)	**Bridging 1**
TRNS007-24B3 (C)	**Bridging 3**

TRNS008 Fundamentals of Physics

15 Points 0.1250 EFTS

The course covers basic concepts in the areas of Mechanics, Electricity, and Magnetism, preparing students for 100-level Physical Science courses. The course provides experience in theoretical and practical Physics, develops relevant practical and reporting skills, and helps students develop the skills and attitudes necessary for successful problem solving, investigation, and enquiry in Physics. The course will help students develop an appreciation of Physics as a human activity with applications and technological developments relevant to the lives of everyday people.

P: TRNS007
R: FOUN060, BRDG024

TRNS008-24SU1 (C)	**Summer (Jan 24)**
TRNS008-24B2 (C)	**Bridging 2**
TRNS008-24B4 (C)	

TRNS009 An Introduction to Statistics and Probability

15 Points 0.1250 EFTS

The course will begin with an introduction to basic numeracy and algebra. Statistics will be covered at an entry level, introducing an understanding of what statistics is, what is data and an introduction in how to collect, analyse, present, interpret and use data appropriately. Key subject areas that will also be covered include discrete and continuous random variables and probability. This is an introductory statistics course suitable for students with no prior knowledge or experience of statistics. However, Students who have not studied maths or statistics previously or beyond NCEA level 1 will find this course challenging and will need to work extra hard in their own time to ensure they keep up. The aim of this course is to provide students with the necessary math and statistical knowledge and skills in preparation for the 100 level statistics course, STAT101.

P: Subject to approval of the Programme Manager.
R: PREP005, BRDG019

TRNS009-23SU2 (C)	**Summer (Nov 23)**
TRNS009-23SU2 (D)	**Summer (Nov 23)**
TRNS009-24B1 (C)	**Bridging 1**
TRNS009-24B1 (D)	**Bridging 1**
TRNS009-24B3 (C)	**Bridging 3**
TRNS009-24B3 (D)	**Bridging 3**

TRNS010 Digital Data: An exploration of the use and pervasiveness of data in a digitised society

15 Points 0.1250 EFTS

In this course, students will learn what data is and how it is used. It covers what it means for information to be stored, transferred, interpreted and processed by machines. It considers data critically as it makes preliminary exploration of how data is collected through devices and applications, to inform business decisions, government priorities, and scientific discoveries. Students learn to use and analyse data and to report and present their findings.

P: Subject to approval of the Programme Manager

TRNS010-24SU1 (C) **Summer (Jan 24)**
TRNS010-24SU1 (D) **Summer (Jan 24)**
TRNS010-24B2 (C) **Bridging 2**
TRNS010-24B2 (D) **Bridging 2**
TRNS010-24B4 (C)
TRNS010-24B4 (D)

TRNS011 An Introduction to Business

15 Points 0.1250 EFTS

This course explores the fundamental principles and concepts of accounting and economics through simulated business examples. Students learn to estimate the value and the current state of the business and consider factors that affect growth opportunities, costs, risks, and prices. Students will be required to interpret information, situations, problems, decisions, and do equations that they are likely to encounter in the commercial sector.

P: Subject to approval of the Programme Manager
R: BRDG028, BRDG029

TRNS011-24SU1 (C) **Summer (Jan 24)**
TRNS011-24SU1 (D) **Summer (Jan 24)**
TRNS011-24B2 (C) **Bridging 2**
TRNS011-24B2 (D) **Bridging 2**
TRNS011-24B4 (C)
TRNS011-24B4 (D)

TRNS012 An Invitation to Law

15 Points 0.1250 EFTS

This course provides a background to future legal study by introducing students to the sources of New Zealand law, and some basic understanding of how law is made and applied in the New Zealand legal system. Selected legal topics are used as a means of developing an understanding of the legal system and the skills for an organised approach to problem solving.

P: Subject to approval of the Programme Manager.
R: PREP016, BRDG031

TRNS012-24SU1 (C) **Summer (Jan 24)**
TRNS012-24SU1 (D) **Summer (Jan 24)**

TRNS017 Mathematics with Calculus

15 Points 0.1250 EFTS

In this course, students will strengthen their algebra skills while developing their skills in trigonometry and calculus. The course provides opportunities for students to set up mathematical models to solve problems. The mathematics in this course has applications in the areas of engineering, science, and commerce. The course aims to build students' confidence and the mathematical knowledge and skills for success in EMTH118 and MATH102.

P: FOUN046, BRDG016, or equivalent. Subject to approval of the Programme Manager.
R: FOUN047, BRDG017

TRNS017-24SU1 (C) **Summer (Jan 24)**

MATH101 Methods of Mathematics

15 Points 0.1250 EFTS

Introduction to calculus, trigonometry and algebra. Emphasis on setting up mathematical models of problems, solving them and interpreting the solutions. Applications to the physical, life and earth sciences as well as to commerce and the humanities.

R: MATH199

MATH101-24S1 (C) **Semester 1**
MATH101-24W (C) **Whole Year (S1 and S2)**
MATH101-24S2 (C) **Semester 2**

Translation and Interpreting

Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

LANC401 In Other Words What: Theory and Practice of Translation and Interpreting

30 Points 0.2500 EFTS

An introduction to Translation Studies for students skilled in two or more languages, including aspects of modern theory and practice in the craft of accurate translation.

P: Subject to approval of the Head of Programme.

LANC401-24S1 (C) **Semester 1**

LANC403 Translation in the digital era: tools and practices

30 Points 0.2500 EFTS

The recent revolutionary upheaval in the field of technology has brought far-reaching changes within the discipline of translation in today's digital world. This course introduces students to the fundamentals of contemporary translation technology and its varied applications, including the basics of audio-visual translation (AVT) and the use of Computer-Assisted Translation Tools, especially SDL Trados Studio.

P: Subject to the approval of the Head of Department.

LANC403-24S1 (C) **Semester 1**

LANC404 Translating and Interpreting for the Community

30 Points 0.2500 EFTS

This course focuses on the concept of Community Translation and Interpreting, of which the purpose is to provide members of minority communities language access to public services offered both routinely and in a crisis scenario. This course will introduce functional translation theories as the theoretical framework with practical advice and discussion on both achievement of pragmatic equivalence and significance of self-reflection on students' development of individual translation/interpreting skills.

P: Subject to the approval of the Head of Department.

LANC404-24S1 (C) **Semester 1**

LANC405 Translation and Interpreting Portfolio

30 Points 0.2500 EFTS

This is a portfolio of independent advanced translation work completed by the student as a concluding part of their programme of study. This work will reflect some of the key theoretical and practical issues addressed in the programme prescriptions and will include translations of at least 10000 words in total, of at least three different types (health, legal, literary, business, etc.). This work will be supervised by a staff member from the relevant language programme or an external assessor if required.

P: LANC401, and LANC403 or LANC404, and Subject to the approval of the Head of Department.

LANC405-24S1 (C) **Semester 1**
LANC405-24S2 (C) **Semester 2**

LANC406 Translation and Interpreting Research Project

60 Points 0.5000 EFTS

This is an extended project in which students will complete the translation of a substantial source text of their choice of at least 10000 words and will supplement the translation with a research essay of 10-12000 words in which they reflect critically on the translatability of the chosen text, on their translation strategy as well as on various theoretical issues pertinent to their translation choices. This work will be supervised by a staff member from the relevant language programme or an external assessor if required.

P: LANC401, and LANC403 or LANC404, and Subject to the approval of the Head of Department.

LANC406-24S1 (C) **Semester 1**
LANC406-24S2 (C) **Semester 2**

LANC407 Advanced Language Acquisition and Specialised Translation/ Interpreting Study Abroad

60 Points 0.5000 EFTS

This course comprises a set of advanced language acquisition and/or translation and interpreting modules in the student's major language at a partner university in the country of the student's major language. The course is administered through existing exchange arrangements with UC's partner institutions and is equivalent to ZZEX. The overseas institution courses for LANC407 will be selected with guidance by a staff member from the relevant language programme and are subject to approval by the Convener of Translation & Interpreting. Enrolment in the course will follow normal procedures for student exchange at UC.

P: Subject to the approval of the Head of Department.

LANC407-24S2 (D) **Semester 2**

Transportation Engineering

Te Tari Pūhanga Metarahi, Rawa Taiao | Department of Civil and Natural Resources Engineering

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ENTR602 Road Safety Improvement

15 Points 0.1250 EFTS

Impact on society; safe systems; data analysis and interpretation; hazardous location identification; problem diagnosis; treatment options; treatment selection; economic appraisal; evaluation.

P: Subject to approval of the Programme Director
EQ: ENTR607

ENTR602-24S1 (C) **Semester 1**

ENTR603 Advanced Pavement Design

15 Points 0.1250 EFTS

Stresses, strains and deflections in flexible and rigid pavements; pavement materials characterization; mechanistic and mechanistic-empirical design methods; pavement performance and evaluation.

P: Subject to approval of the Programme Director.

ENTR603-24X (C) **29 July 2024 - 01 Dec 2024**

ENTR608 Traffic Management and Monitoring

15 Points 0.1250 EFTS

Implementation of control theory in traffic control; introduction to coordinated urban network control; large-scale urban network modelling and control; traffic simulation; control theory in traffic engineering.

P: ENCN261, ENCN412 or equivalent

ENTR608-24S2 (C) **Semester 2**

ENTR609 Special Topic

15 Points 0.1250 EFTS

Used for additional one-off courses or individualised study for a student. Refer to Director of Transportation Engineering regarding availability.

P: Subject to approval of the Programme Director.

ENTR609-24S2 (C) **Semester 2**

ENTR610 Special Topic

15 Points 0.1250 EFTS

Used for additional one-off courses or individualised study for a student. Refer to Director of Transportation Engineering regarding availability.

P: Subject to approval of the Programme Director.

ENTR610-24S1 (C) **Semester 1**

ENTR614 Planning and Design of Sustainable Transport

15 Points 0.1250 EFTS

Pedestrian planning and design; Cycle planning and design; Public transport operations and network design; Travel behaviour change and travel plans.

P: Subject to approval of the Programme Director

ENTR614-24X (C) **05 Aug 2024 - 10 Nov 2024**

ENTR615 Advanced Traffic Flow Theory

15 Points 0.1250 EFTS

This course introduces the advanced concepts of traffic flow theory. Participants will obtain the knowledge of the principles of traffic flow analysis and modelling.

P: ENCN 412: traffic engineering or equivalent

ENTR615-24X (C) **12 Aug 2024 - 01 Dec 2024**

ENTR790 Transportation Engineering PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director

ENTR790-24A (C) **Starts Anytime**

ENTR790-24A (D) **Starts Anytime**

*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Water Resource Management

Mātai Whakahaere Wai | Waterways Centre for Freshwater Management

WATR201 Freshwater Resources

15 Points 0.1250 EFTS

Characterisation and assessment of freshwater resources and current stresses upon these. Topics will include; characteristics and vulnerability of the hydrological cycle, aquatic processes and aquatic ecosystems, cultural values, hazards, anthropogenic use, stresses and their effects on water quality, quantity, ecosystem health/diversity and future use, resource limitations and connections to economy, tools and techniques for resource assessment.

P: Any 75 points at 100 level

WATR201-24S2 (C) **Semester 2**

Fieldwork is required.

WATR203 Freshwater Science Field Skills

15 Points 0.1250 EFTS

In this course students will develop practical skills in sampling freshwaters, identification of freshwater organisms, and assessing hydrological conditions and water-quality.

P: A freshwater-related course of study or appropriate freshwater-related work experience as determined by the Head of Programme.

WATR203-23SU2 (C) **Summer (Nov 23)**

WATR203-24X (C) **11 Nov 2024 - 15 Dec 2024**

WATR301 Water Resource Management

15 Points 0.1250 EFTS

Management of freshwater resources and current issues relating to the use of water. Topics will include; frameworks for water management, reconciling economic, environmental, social and cultural needs, conflicts over water resource use, legislative requirements, hazard management and mitigation, and future water uses. Includes a half-day fieldtrip.

P: 45 points at 200 level in any subject area.

WATR301-24S1 (C) **Semester 1**

Fieldwork is required.

WATR409 Te Mana o te Wai

15 Points 0.1250 EFTS

The structure of this course employs a ki uta ki tai (from the mountains to the sea) framework, beginning in Aotearoa New Zealand before contextualizing concepts and debates in the wider Pacific and beyond. Students will gain an overview of theories and perspectives central to the hydrological sciences and catchment management in Aotearoa. The course will first explore the importance of wai in te Ao Māori, its taonga status under Te Tiriti o Waitangi, the rangatiratanga held by mana whenua and the associated responsibilities of both the Crown and tangata tiriti. Students will explore how human history has shaped hydrological knowledge and landscapes in Aotearoa and discuss implications for water management both now and into the future. Towards the end of this course, students will use these understandings to discuss similarities and differences with our Pasifika neighbours and across the globe and how common problems could be addressed from different cultural standpoints.

P: Subject to approval of the Programme Director

WATR409-24S1 (C) **Semester 1**

WATR410 Catchment Systems

15 Points 0.1250 EFTS

The aim of this course is to provide guided advanced level learning about catchment processes. The course will focus on how water delivery is related to the interaction between water supply and underlying catchment properties. Based on this vision, the course will explore strategies to monitor and model both individual and catchment scale processes. Key topics of focus will include: different perspectives of the catchment; rainfall-river processes; hydrological system components; and landscape evolution. Additionally, students will design, develop, and install sensors to monitor hydrological system components, and will develop skills in data analysis and the implementation of simple conceptual models.

P: Subject to approval of the Programme Director

WATR410-24S1 (C) **Semester 1**

WATR411 Water Governance

15 Points 0.1250 EFTS

The aim of this course is to provide students with an understanding of the governance of freshwater resources from a social-ecological systems perspective. The course will explore water science and management as embedded in complex social and ecological contexts, shaped by interactions among culture, politics, economics and ecologies. Drawing on examples from local to global, the course will examine major paradigms of water resource management, and how these are applied and contested by diverse societal actors and stakeholders in politics and decision-making at different scales, incorporating examples from Aotearoa New Zealand.

P: Subject to approval of the Programme Director

WATR411-24S2 (C) **Semester 2**

WATR412 Hydrological Extremes
15 Points 0.1250 EFTS
This course aims to provide students with insights into the drivers, processes and consequences of hydrological hazards. Focusing on the mechanistic processes generating floods and droughts, students will gain experience using state-of-the-art data and modelling tools to estimate the frequency and forecast the consequences of extreme hydrological events. The course will also explore the management paradigms that have evolved to mitigate and adapt to hydrological hazards and transitional steps needed to build resilient communities.
P: Subject to approval of the Programme Director
WATR412-24S2 (C) **Semester 2**
Limited Entry. See limitation of entry regulations.

WATR413 Freshwater Restoration and Recovery
15 Points 0.1250 EFTS
The aim of this course is to provide students with an understanding of freshwater restoration. The course will explore the importance of restoration from physical, ecological and cultural perspectives, and will examine the current state of freshwater restoration practice both locally and globally. Students will gain insight into factors which may limit restoration success, and explore strategies to overcome these. The course will also examine key considerations when designing and implementing monitoring programmes, including data analysis and statistics.
P: Subject to approval of the Programme Director
WATR413-24S2 (C) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

WATR405 Research and Communication Methods
15 Points 0.1250 EFTS
This course will convey the type of research undertaken to solve water resource management problems, and how to communicate research results and information effectively in different forums and to different audiences. Topics include: literature search and analysis, research hypothesis development, proposal preparation, research programme design, ethical, cost and health and safety considerations, and effective techniques for oral and written communication.
WATR405-24S1 (C) **Semester 1**

WATR690 Thesis
120 Points 1.0000 EFTS
Research thesis on a topic of relevance to Water Science and Management.
P: Subject to approval by the Director of the Waterways Centre.
WATR690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

WATR691 Water Science and Management Project
60 Points 0.5000 EFTS
This course comprises an individual supervised investigation, professional project or internship in a subject area relevant to water science and management and approved by the Masters of Water Science and Management programme staff. The final report presents the results of the investigation, professional project or internship.
P: Subject to approval of the Programme Director
WATR691-24A (C) **Starts Anytime**

WATR790 Water Resource Management PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Director of the Waterways Centre
WATR790-24A (C) **Starts Anytime**
WATR790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

Writing

School of Humanities

WRIT101 Writing for Academic Success
15 Points 0.1250 EFTS
Writing for Academic Success fosters the capacity for analytical thought about texts and language. The course also provides training in the writing of clear and effective prose, inculcates awareness of crucial structural and rhetorical features of expository writing, and encourages the application of that awareness to writing in a range of academic and professional contexts.
R: ENGL117
WRIT101-24S1 (C) **Semester 1**
WRIT101-24S1 (D) **Semester 1**
WRIT101-24S2 (C) **Semester 2**
WRIT101-24S2 (D) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

WRIT401 Advanced Reading and Writing
30 Points 0.2500 EFTS
This course teaches students to develop advanced writing skills in a range of genres and styles through exposure to research on writing and through the critical analysis of models of excellent writing.
P: Entry is subject to approval of the Head of Department.
RP: A Bachelor's degree (with at least a B average in 300-level courses) in any subject in which writing comprises a significant part of the assessment
WRIT401-24S1 (C) **Semester 1**

WRIT402 Writing for Community Change
30 Points 0.2500 EFTS
This course will develop students' capacity to produce professional writing according to a range of practices, within a variety of contexts and genres, and in response to the needs and expectations of diverse audience groups. The primary focus of this course looks to ways such writing can be used to create organizational/societal changes to address a variety of equity issues.
P: Entry is subject to approval of the Head of Department.
RP: A Bachelor's degree (with at least a B average in 300-level courses) in any subject in which writing comprises a significant part of the assessment.
WRIT402-24S2 (C) **Semester 2**

WRIT403 Creative Writing
30 Points 0.2500 EFTS
This course will develop students' capacity to produce creative writing according to a range of practices, within a variety of contexts and genres, and in response to the needs and expectations of diverse audience groups.
P: Entry is subject to approval of the Head of Department.
RP: A Bachelor's degree (with at least a B average in 300-level courses) in any subject in which writing comprises a significant part of the assessment
WRIT403-24S2 (C) **Semester 2**

WRIT680 Extended Writing Project
60 Points 0.5000 EFTS
WRIT680 comprises a single extended writing project, supervised by a staff member of the English Department. The size of the project will normally approximate to 20,000 words of prose, 15-20 pages of poetry, or 30-40 pages of dramatic script.
P: Entry is subject to approval of the Head of Department.
RP: A Bachelor's degree (with at least a B average in 300-level courses) in any subject in which writing comprises a significant part of the assessment
WRIT680-24A (C) **Starts Anytime**

Youth and Community Leadership

Te Kura Ārahi Ako | School of Educational Studies and Leadership

YACL101 Introduction to Youth Leadership: Leading the Self
15 Points 0.1250 EFTS
What is the role of 'the self' in youth and community leadership? What are the personal dispositions required for youth and community leadership and how might these be nurtured within, for and by the self, and/or by others? In this course, students will explore self-leadership from contemporary psychological, philosophical, cultural, and/or any other theoretical perspective/s relevant to their situation and to contemporary Aotearoa. kaupapa Māori approaches will be explored, as part of which students will be required to have experienced a stay on the noho marae (or alternative).

YACL101-24S1 (C) **Semester 1**
YACL101-24S1 (D) **Semester 1**

YACL102 Introduction to Professional Youth Work in Aotearoa
15 Points 0.1250 EFTS
In this course, you will be introduced to and learn about the professional practice of youth work in Aotearoa. You will learn about the context within which youth work in Aotearoa operates, its history and current structures. The course will help you understand the principles of the sector and explicitly acknowledges the diversity and mana of young people. In this course, you will examine how young people build and sustain quality relationships and connect to the social, physical and digital world, demonstrating knowledge of hononga and whanaungatanga. We will investigate the legal and ethical requirements for the care of young people in Aotearoa in the context of holistic wellbeing, responsibility and reciprocity. You will be introduced to frameworks that are used in the youth work sector to facilitate manaakitanga, youth participation and whai wahitanga, recognising young people as valued contributors to society. This course has been designed in cooperation with Ara Taiohi and Korowai Tupu and strongly reflects the Mana Taiohi principles that underpin professional youth work practice in Aotearoa. We will implement the participatory approach, common in the sector, to co-construct our understanding of youth identities and youth work practice. This course will lay the foundation for your journey towards becoming a professional youth worker and will equip you to connect the knowledge and concepts you will encounter in other courses into your developing professional identity.

YACL102-24S2 (C) **Semester 2**
YACL102-24S2 (D) **Semester 2**

YACL201 Social Leadership: Leading with Others
15 Points 0.1250 EFTS
Social leadership - leading with others - explores the dynamics of collaboration and social change and their implications for leadership. Theories of group leadership, problem-solving styles and the potential of different types of leadership will be analysed and critiqued. In this course, students will reflect on and trace their participation as members of various communities: whānau, community, iwi, professional, social and so on. The course draws on the taonga of bicultural Aotearoa to consider the strengths of Indigenous leadership and its resonance with and insights for community leadership globally

P: YACL101; or 30 points at 100 level in YACL, CHCH, EDUC, POLS, SOCI or HSRV; or permission of the Head of School.

YACL201-24S2 (C) **Semester 2**
YACL201-24S2 (D) **Semester 2**

YACL301 Civic Leadership: Leading for Change
15 Points 0.1250 EFTS
In this course, students will learn the necessary academic skills and knowledge, as well as ethical and cultural considerations, to explore the background of an issue or challenge they see for youth and/or their community, hapu, or iwi. These may include issues of social justice, equity, sustainability, positive development, policy, global citizenship, and others. Students will develop an action plan of how to address their chosen topic; a proposal that will consider how their actions' effectiveness will be measured. As part of the course, applying the approach of tuakana/ teina, we will take part in a Noho Marae with YACL101 students to deepen and extend our bi-cultural understanding in relation to our community project and to support the next generation of YACL students on their journey.

P: YACL101 and YACL201

YACL301-24S1 (C) **Semester 1**
YACL301-24S1 (D) **Semester 1**

YACL302 Leadership Project: Implementing Change
15 Points 0.1250 EFTS
In this course, students will take action to address an issue of concern they investigated in the previous course YACL301. The developed proposal for change is enacted in this course, displaying leadership through change for youth and/or communities, such as whānau, hapu, iwi. Students are encouraged to work in small interest groups, within and beyond the class group, on a local, national or international issue, document their progress and experiences, and report on the actions taken and the effect their actions had. Emphasis is placed on respectful and considerate engagement and practice with affected communities in a culturally responsive manner through recognition of the Treaty of Waitangi principles.

P: YACL301

YACL302-24S2 (C) **Semester 2**
YACL302-24S2 (D) **Semester 2**

YACL303 Professional Youth Work in Practice
15 Points 0.1250 EFTS
This course is the capstone for the Youth work and development pathway within the Bachelor of Youth and Community Leadership qualification. As such, students will be invited to reflect on their prior personal and professional experiences within the context of relevant literature on youth work with a particular focus on what this field consists of in Aotearoa New Zealand. By using an ako approach where we are all students and teachers/experts of our own experiences, the course will foster an environment of shared responsibility for learning and will create opportunities for each student to share their experiences both within and outside of the course. Within the course, students will engage with academic content, field experiences, guest speakers, and assessment tasks that pull it all together and provide a way for students to make a positive impact on the youth work sector. This will truly be an applied learning course designed to culminate the degree in a celebratory and meaningful way.

P: YACL102; or 30 points in YACL courses and EDUC102

YACL303-24S2 (C) **Semester 2**
YACL303-24S2 (D) **Semester 2**

Postgraduate

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

YACL401 Youth and Community Leadership in Global Contexts
30 Points 0.2500 EFTS
In this course, students will evaluate different forms of leadership and apply relevant concepts to their own professional or community contexts. Utilising the United Nation's Sustainable Development Goals as examples will invite students to situate local youth and community issues in a global context. Students will engage with a local community (including youth) and tangata whenua to identify a local challenge or issue and develop a community action project (CAP) proposal. This will be accomplished in collaboration with the community and will include consideration of Te Tiriti o Waitangi articles and the principles of participation, protection, and partnership.

P: HOD Mandatory

YACL401-24S1 (D) **Semester 1**

Zoology

Te Kura Pūtaiao Koiora | School of Biological Sciences

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check www.canterbury.ac.nz/courses or consult the relevant School/Department.

ZOOL690 MSc Thesis
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
ZOOL690-24A (C) **Starts Anytime**
Part-time enrolment (0.65 EFTS) is available on approval.

ZOOL790 Zoology PhD
120 Points 1.0000 EFTS
P: Subject to approval of the Head of School.
ZOOL790-24A (C) **Starts Anytime**
ZOOL790-24A (D) **Starts Anytime**
*Part-time enrolment (0.65 EFTS) is available on approval. *From 1 January 2008, international students who are residing in New Zealand on a NZ Immigration Study Visa pay the Domestic Fee for this course. International fees apply for all other courses.*

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