

2020  
Course Catalogue  
Rārangi Akoranga

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Information is correct as at the time of publication but  
is subject to change. The University's official regulations  
and policies are available online at  
[www.canterbury.ac.nz/regulations](http://www.canterbury.ac.nz/regulations)

James Johnstone, Detail: **Designs for decimal currency**,  
Pen, ink and watercolour on paper, UC-MBL-2096,  
University of Canterbury Art Collection, Macmillan  
Brown Library

When Aotearoa New Zealand's currency changed to  
the decimal system in 1967, it seemed fitting that  
new coin designs would be created to commemorate  
the occasion. Artists were invited to submit their  
designs for consideration, with both the public and  
the committee able to view and vote upon those  
shortlisted. Johnstone's one and two cent coin designs  
are from a number of preliminary sketches submitted  
by the artist. Though Johnstone's designs were not  
chosen, they were not viewed unfavourably either.

Originally from Scotland, James Johnstone immigrated  
to Aotearoa in 1925, where he took up the post of  
Crafts and Design Master at the Canterbury College  
School of Art (1926–, Senior Lecturer 1949–58). Trained at  
Edinburgh College of Art, Johnstone was instrumental  
in the development of art metalwork at the school,  
and brought with him the techniques and styles  
most strongly associated with the British Arts and  
Crafts movement.

In 2009, Ngarita Johnstone donated a sizeable  
collection of artworks to the Macmillan Brown  
Collection. It spans generations, mediums, and  
artists, encompassing works by Ngarita, her father  
James Johnstone, and students whom she taught,  
offering insight into the development of the design  
movement in Canterbury, and the history of Te Kura  
Kōwaiwai | Ilam School of Fine Arts (previously  
known as the Canterbury College School of Art).

Explore the UC Art Collection online:  
<http://kohika.canterbury.ac.nz>



# 2020 Rārangi Akoranga | Course Catalogue

Course information in the 2020 Rārangi Akoranga | Course Catalogue is, as far as possible, accurate up to 11 September 2019. However, course information is subject to change. Please check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) for the latest information.

Page	Subject	Page	Subject
5	Accounting	75	Kaupapa Akoranga   Education
8	Antarctic Studies	84	Electrical and Electronic Engineering
9	Anthropology	87	Engineering
11	Applied Psychology	89	Engineering Geology
12	Architectural Engineering	90	Engineering Management
13	Art Curatorship	91	Engineering Mathematics
13	Toi o Nehe, Toi Ariā   Art History and Theory	93	English
15	Art History	97	English Language
15	Art Theory	98	Environmental Science
16	Arts	98	European and European Union Studies
16	Astronomy	101	European Studies
17	Audiology	102	Evolutionary Biology
18	Bicultural Co-Governance	102	Film
18	Biochemistry	103	Finance
21	Bioengineering	106	Finance and Economics
21	Biological Sciences	106	Financial Engineering
26	Biosecurity	106	Financial Management
26	Biotechnology	107	Fine Arts
26	Business	107	Fire Engineering
26	Business Administration	108	Forest Engineering
30	Business Information Systems	109	Forestry
31	Business Management	111	French
32	Cellular and Molecular Biology	113	Geographic Information Science
32	Chemical and Process Engineering	114	Geography
35	Chemistry	118	Geology
38	Child and Family Psychology	120	German
39	Chinese	122	Graphic Design
41	Mātai Kiriata   Cinema Studies	122	Hazard and Disaster Management
43	Civil Engineering	122	Health Sciences
47	Classics	127	Higher Education
51	Communication Disorders	127	Tāhuhu Kōrero   History
55	Computational and Applied Mathematical Sciences	133	Human-Animal Studies
55	Computer Engineering	133	Human Interface Technology
56	Computer Science	134	Human Services
58	Construction Management	137	Information Systems
59	Criminal Justice	139	Innovation
61	Mātai Ahurea   Cultural Studies	139	International Law and Politics
64	Data Science	141	Japanese
66	Digital Humanities	143	Journalism
68	Disaster Risk and Resilience	143	Law
68	Earthquake Engineering	149	Linguistics
70	Ecology	151	Management
70	Economics	155	Māori and Indigenous Studies
		158	Marketing

**Page Subject**

161	Mathematical Physics
161	Mathematics
165	Mathematics and Philosophy
165	Mechanical Engineering
170	Mechatronics Engineering
170	Media and Communication
173	Medical Physics
174	Microbiology
174	Puoro   Music
179	Natural Resources Engineering
181	Pacific Studies
182	Painting
183	Philosophy
188	Photography
188	Physical Education
189	Physics
192	Plant Biology
192	Mātai Tōrangapū, Hononga Tāwāhi   Political Science and International Relations
196	Product Design
200	Professional Accounting
201	Professional and Community Engagement
202	Psychology
206	Russian
208	Science

**Page Subject**

208	Science Education
208	Science, Māori and Indigenous Knowledge
209	Sculpture
209	Tauwhiro Hapori   Social Work
212	Sociology
215	Software Engineering
217	Soil Science
217	Spanish
218	Speech and Language Pathology
218	Sport Coaching
222	Sport Science
223	Statistics
226	Taxation
226	Whakangungu Kaiako   Teacher Education
235	Te Reo Māori
237	Taunakitanga   Transitions
238	Translation and Interpreting
239	Transportation Engineering
240	Water Resource Management
241	Writing
242	Youth and Community Leadership
242	Zoology

# How to read a Rārangī Akoranga | Course Catalogue entry

The diagram below 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	_____	<b>PHYS 399 Physics Research</b>	_____	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	_____	<b>PHYS399-19SU2 (C) Semester 1</b>			
Notes	_____	<i>Note: Limited entry. See limitation of entry regulations.</i>			

## 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 399-20SU2 (C) Summer (Nov20)**

The course occurrence code is made up of the course code (eg, PHYS 399), the year it is being offered in (eg, 20 = 2020), a semester indicator (eg, SU2 = Summer course with a November 2020 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 2020 course start dates

Semester Indicator	Semester Description	Official course start date	Official course finish date
S1	Semester One	17 February	21 June
S2	Semester Two	13 July	8 November
W	Whole Year	17 February	8 November
CY	Cross Year	13 July	3 July 2021
B1	Bridging One	24 February	7 June
B2	Bridging Two	20 July	1 November
B3	Bridging Three	9 November	7 February 2021
FY	Full Year	17 February	21 February 2021
M1	MBA One	10 February	5 April
M2	MBA Two	20 April	14 June
M3	MBA Three	29 June	23 August
M4	MBA Four	7 September	1 November
YB	Full Year B	27 January	8 November
YB1	Year B First Half	27 January	28 June
YB2	Year B Second Half	13 July	8 November
YC	Full Year C	10 February	15 November
YC1	Year C First Half	10 February	28 June
YC2	Year C Second Half	13 July	15 November

Notes: These dates were accurate as at 11 September 2019. All dates are 2020 unless otherwise noted. Any changes will be updated on [www.canterbury.ac.nz/study/keydates](http://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 2020 start)
SU2	Summer (November 2019 start)
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
C	Christchurch, on-campus
D	Distance
N	Nelson

# Accounting

## Department of Accounting and Information Systems

### ACCT 102 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: ACIS 102, AFIS 101, AFIS 102, AFIS 111, AFIS 122, AFIS 132, AFIS 188.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ACCT102-20S1 (C) Semester 1

ACCT102-20S2 (C) Semester 2

### ACCT 103 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: ACCT 102

R: ACIS 103, AFIS 101, AFIS 103, AFIS 111, AFIS 121, AFIS 131

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ACCT103-20S1 (C) Semester 1

ACCT103-20S2 (C) Semester 2

### ACCT 152 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: ACIS 152, AFIS 151, AFIS 152

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

ACCT152-20S1 (C) Semester 1

### ACCT 211 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: ACCT 102 and ACCT 103

R: ACIS 211, AFIS 211

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ACCT211-20S2 (C) Semester 2

### ACCT 212 Business Professionals: skills, attributes and practice

15 Points 0.1250 EFTS

This course is a career-oriented learning experience for business professionals participating in corporate, social and public enterprises, including professional accounting firms. It will help in compiling your UC Employability Portfolio, a graduating requirement for the Bachelor of Commerce (see BSNS 299). It covers people skills, leadership and followership, curiosity and agility, deep learning, conducting inquiries and analysis, whistle-blowing and ethical dilemmas, and culture. It examines the work of consultants, analysts, innovators, investigators, controllers, etc. This blends with the technical and academic learning in your major, and anticipates the challenging and rewarding situations you will face as your career advances.

P: Any 60 points

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

ACCT212-20S2 (C) Semester 2

### ACCT 222 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: ACCT 102

R: ACIS 222, AFIS 222

EQ: ACIS 222, AFIS 222

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ACCT222-20S1 (C) Semester 1

### ACCT 252 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: ACCT 152 or LAWS 101

R: ACIS 252, AFIS 151, AFIS 252, LAWS 203.

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

ACCT252-20S2 (C) Semester 2

### ACCT 254 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: ACCT 103

C: ACCT 152 or LAWS 101

R: ACIS 254, AFIS 254

EQ: ACIS 254

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ACCT254-20S1 (C) Semester 1

### ACCT 256 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: ACCT 152 or LAWS 101

R: AFIS 253, ACIS 256, AFIS 256, LAWS 305, LAWS 312

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

ACCT256-20S2 (C) Semester 2

### ACCT 311 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: ACCT 211

R: AFIS 301, ACIS 311, AFIS 311, AFIS 501.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ACCT311-20S1 (C) Semester 1

### ACCT 312 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: ACCT 211

R: ACIS 312, AFIS 301, AFIS 312, AFIS 501.

Domestic Fee: \$806 (2019)

International Fee: \$3,513 (2019)

ACCT312-19SU2 (C) Summer (Nov 19)

ACCT312-20S2 (C) Semester 2

### ACCT 316 Public Management and Governance

15 Points 0.1250 EFTS

Where does your water come from? How can you manage, control and account a hospital? If you were elected to a regional council, how would you balance farming, fishing, tourism and conservation interests? This course examines how public services are governed and managed locally, nationally and internationally, bringing in such challenges as achieving consensus among publics with differing politics and competing interests, making the most of scarce resources, recovering from natural disasters and persuading people to fund services through taxation.

P: Any 45 points at 200-level or above.

R: ACIS 316, AFIS 316, AFIS 516, POLS 316

EQ: ACIS 316, and AFIS 316

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ACCT316-20S1 (C) Semester 1



**ACCT 332 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: ACCT 222 and ACCT 103

R: ACIS 332, AFIS 332, AFIS 322, AFIS 522

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT332-20S2 (C) Semester 2****ACCT 340 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: ACIS 340, AFIS 340

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT340-20S1 (C) Semester 1****ACCT 341 Public Accounting and Finance**

15 Points 0.1250 EFTS

What does the NZ Government do with your \$100 billion? Indeed, what does any national or local government do with the trillions of dollars in taxes they collect? Students will consider these and related questions, examining the roles and practices of accounting and finance among political, official and professional persons involved in governmental organisations in such domains as education, health and welfare, conservation, security, and institutional, material, economic and social infrastructure.

P: Any 45 points at 200-level or above.

R: ACIS 341, AFIS 341

EQ: ACIS 341

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT341-20S2 (C) Semester 2****ACCT 342 Contemporary Issues in Management Accounting**

15 Points 0.1250 EFTS

**Not offered in 2020**

Management accounting theory and research; contemporary issues; insights from practice, research and academic commentary.

P: ACCT 222 and ACCT 103

R: ACIS 342, AFIS 322, AFIS 342, AFIS 522.

**ACCT 346 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: INFO 123 and ACCT 211.

R: ACIS 346, AFIS 306, AFIS 346, AFIS 506.

RP: INFO 243

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT346-20S1 (C) Semester 1****ACCT 356 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: ACCT 346

R: ACIS 356, AFIS 306, AFIS 356, AFIS 506.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT356-20S2 (C) Semester 2****ACCT 358 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) ACCT 152 or LAWS 101; and (2) ACCT 254 OR LAWS 352

R: ACIS 358, ACIS 354

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT358-20S1 (C) Semester 1****ACCT 359 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: ACCT 358

R: ACIS 359, ACIS 354

EQ: ACIS 359

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT359-20S2 (C) Semester 2****ACCT 365 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: AFIS 365

**ACCT 367 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: AFIS 367

**ACCT 368 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: AFIS 368

**ACCT 369 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: AFIS 369

*Limited entry. See limitation of entry regulations.***ACCT 390 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: ACCT 364, ECON 390, FINC 390, MKTG 390, INFO 390

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ACCT390-20S1 (C) Semester 1****ACCT390-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**ACCT 614 Research Methodology and Epistemology**

30 Points 0.2500 EFTS

ACCT 614 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: ACIS 614, AFIS 614, INFO 614

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**ACCT614-20S1 (C) Semester 1****ACCT 621 The Law and Economics of Competition Policy**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: ACIS 621



**ACCT 622 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

**ACCT 623 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: ACIS 623, AFIS 623

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT623-20S1 (C) Semester 1****ACCT 624 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: FINC 611, FINC 650, ACIS 624

EQ: FINC 611

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT624-20S2 (C) Semester 2****ACCT 625 Financial Distress**

15 Points 0.1250 EFTS

**Not offered in 2020**  
Aspects of financial distress

P: Subject to approval of the Head of Department.

R: FINC 606, FINC 649, ACIS 625

EQ: FINC 606

**ACCT 626 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: ACIS 626, AFIS 626

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT626-20S2 (C) Semester 2****ACCT 627 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

**ACCT 632 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

**ACCT 634 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: ACIS 634

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT634-20S1 (C) Semester 1****ACCT 635 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT635-20S1 (C) Semester 1****ACCT 641 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

**ACCT 644 Financial Management and Accountability of Governments**

15 Points 0.1250 EFTS

**Not offered in 2020**

Students explore particular features of governments and organisations that provide public services from various accounting and public finance perspectives.

P: Subject to approval of the Head of Department.

R: ACIS 644, AFIS 644

**ACCT 648 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: ACIS 648

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT648-20S2 (C) Semester 2****ACCT 656 European Business Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines the legal framework for the conduct of business in the European Community as well as the wider implications of the role played in international trade by the EC as a trading power. The course analyses in detail the mechanisms for the creation and maintenance of the single market within the EC. To this end it considers the critical areas of free movement of goods, persons, services, economic enterprises (establishment) and capital as well as the contingent issues of taxation and harmonisation.

P: Subject to approval of Head of Department

R: ACIS 656, EURO 456

EQ: EURO 456

**ACCT 657 Franchising Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

Franchising Law includes aspects of Business Law with an emphasis on franchising and related issues in New Zealand, Australia and relevant jurisdictions; contract issues, remedies.

P: Subject to approval of the Head of Department.

R: ACIS 657

RP: ACCT 152, 252 and 256

**ACCT 658 Contemporary Research in Auditing**

15 Points 0.1250 EFTS

This course (1) develops students' abilities to identify and understand contemporary auditing issues and related professional problems, and (2) develops a capability to identify, design and conduct research relating to such issues/problems.

P: Subject to approval of the Head of Department

R: ACIS 658, AFIS 658

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT658-20S1 (C) Semester 1****ACCT 659 Sustainability, Business, and Social and Environmental Accountability**

15 Points 0.1250 EFTS

This course exposes students to an array of international and NZ-based emerging issues in sustainability, and the role of business organisations in contributing to sustainable development, as well as how such organisations account for and report on their social and environmental impacts.

P: Subject to approval of the Head of Department.

R: ACIS 659, AFIS 659

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ACCT659-20S2 (C) Semester 2**

## Antarctic Studies

### ACCT 680 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: ACIS 680, AFIS 680, INFO 680

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

ACCT680-20A (C) Starts Anytime

ACCT680-20W (C) Whole Year (S1 and S2)

### ACCT 690 MCom Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

R: ACIS 690, AFIS 690

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

ACCT690-20A (C) Starts Anytime

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

### ACCT 694 MCom Thesis

90 Points 0.7500 EFTS

P: Subject to approval of the Head of Department

R: ACIS 694, AFIS 694

Domestic Fee: \$5,513 (2019)

International Fee: \$23,625 (2019)

ACCT694-20A (C) Starts Anytime

### ACCT 790 Accounting PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

R: ACIS 790, AFIS 790

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

ACCT790-20A (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.

## Antarctic Studies

### Gateway Antarctica

#### ANTA 101 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 ANTA 102 and ANTA 103. The course will be delivered entirely online through LEARN, which will allow students flexibility as to when they view the lectures.

R: INCO 103, ANTA 102 and ANTA 103, ANTA 112 and ANTA 113

Domestic Fee: \$883 (2019)

International Fee: \$4,000 (2019)

ANTA101-19SU2 (D) Summer (Nov 19)

#### ANTA 102 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

ANTA102-20S1 (C) Semester 1

#### ANTA 103 Antarctica: Life in the Cold

15 Points 0.1250 EFTS

This introductory course focuses on biology and explores how plants, microbes, animals and humans adapt to living in the extreme environments of the Antarctic, the sub-Antarctic and the Southern Ocean. Low temperatures and periods of total darkness are just some of the extremes to be endured. Discussion includes human psychology, and our interaction with the polar region lying at New Zealand's back door.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

ANTA103-20S2 (C) Semester 2

#### ANTA 201 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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

ANTA201-20S2 (C) Semester 2

## Tāura | Postgraduate

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

#### ANTA 601 Antarctica: Contemporary Issues, Perspectives Part 1

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. ANTA 601 is one of the four compulsory courses (ANTA 601–604), which make up the Postgraduate Certificate in Antarctic Studies.

P: Subject to approval of the Head of Department.

R: ANTA 501

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

ANTA601-20X (C) 09 Nov 2020 - 07 Mar 2021

Limited entry. See limitation of entry regulations.

#### ANTA 602 Antarctica: Contemporary Issues, Perspectives Part 2

15 Points 0.1250 EFTS

Not offered in 2020

A critical examination of the major social, political and legal themes and contemporary issues facing Antarctica and the Southern Ocean. This course will be taught as an intensive summer school and will include lectures, seminars, group discussion and the preparation of a written review on a major topic. This course will be offered in November. ANTA 602 is one of the four compulsory courses (ANTA 601–604), which make up the Post Graduate Certificate in Antarctic Studies.

P: Subject to approval of the Head of Department.

R: ANTA 502

Limited entry. See limitation of entry regulations.

#### ANTA 603 Antarctic Field Work

15 Points 0.1250 EFTS

An 8-10 day field course at Scott Base and in Windless Bight, Antarctica, comprising a mix of analytical projects (data and information gathering, analysis and interpretation) and interpretative exercises. Antarctic field training and the experience of living and working in the polar environment are additional components of this course. A written report on field projects will be required. This course will be offered in November. ANTA 603 is one of the four compulsory courses (ANTA 601–604), which make up the Postgraduate Certificate in Antarctic Studies.

P: Subject to approval of the Head of Department.

R: ANTA 503

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

ANTA603-20X (C) 09 Nov 2020 - 07 Mar 2021

Limited entry. See limitation of entry regulations.

#### ANTA 604 Supervised Project in Antarctic Studies

15 Points 0.1250 EFTS

Not offered in 2020

A major written project on an approved topic relating to Antarctica and the Southern Ocean. This course will be offered in November. ANTA 604 is one of the four compulsory courses (ANTA 601–604), which make up the Postgraduate Certificate in Antarctic Studies.

P: Subject to approval of the Head of Department.

R: ANTA 504

Limited entry. See limitation of entry regulations.

#### ANTA 607 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 ANTA 603 (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: ANTA 602 and ANTA 604

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**ANTA607-20X (C)** 09 Nov 2020 - 14 Feb 2021

### ANTA 691 Dissertation

90 Points 0.7500 EFTS

A dissertation in Antarctic Studies

P: 60 points (ANTA 601; ANTA 602; ANTA 603; ANTA 604)

Domestic Fee: \$5,961 (2019)

International Fee: \$28,800 (2019)

**ANTA691-20A (C)** Starts Anytime

### ANTA 692 Thesis

120 Points 1.0000 EFTS

Research thesis on a topic of relevance to Antarctic Studies.

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

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**ANTA692-20A (C)** Starts Anytime

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

### ANTA 790 Antarctic Studies PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**ANTA790-20A (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.

## Anthropology

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

### ANTH 102 Cultural Diversity and The Making of The Modern World

15 Points 0.1250 EFTS

Global in its scope and comparative in its analysis, social and cultural anthropology is ideally equipped to explore the diversity of human social life and the variety of cultural understandings that emerge from it. This course introduces the discipline of socio-cultural anthropology, the peoples and places with whom anthropologists work, and key themes in the study of society and culture. Crucially, it also explores fundamental questions about cultural diversity, and provides the intellectual tools for making sense of the diverse, interconnected world in which we live.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ANTH102-20S1 (D)** Semester 1

**ANTH102-20S1 (C)** Semester 1

### ANTH 104 Indigenous peoples, development and anthropology

15 Points 0.1250 EFTS

**Not offered in 2020**

This course provides a critical view of the contemporary and historical situation of indigenous people in New Zealand and elsewhere. The course pays attention especially to the wider socio-political and economic contexts that indigenous people have experienced and continue to live in. This includes questions relevant to colonial and post-colonial contexts, the relationship between indigenous people and the modern nation-state, and their position within a globalized world. The question of cultural survival is addressed through analyses of genocide and ethnocide, constructions of identity (including bi-cultural identity), and the nature and extent of appropriation and modification of culture by both indigenous peoples and those with whom they have political and economic relationships. The nature and effects of hegemonic rule, accommodation of new cultural elements, subaltern resistance and the development of new identities and movements, are also included. The course illustrates that indigenous people are not simply victims of oppression and marginalization, but self-conscious actors who in all periods of history and with different means have - more or less successfully - resisted structures of power and domination and fought for their rights.

R: MAOR 170

EQ: MAOR 170

### ANTH 105 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ANTH105-20S2 (C)** Semester 2

### ANTH 108 Witchcraft, Magic and The Dead

15 Points 0.1250 EFTS

**Not offered in 2020**

This course aims to challenge taken-for-granted assumptions about witchcraft, magic and the dead, including their association with non-western worlds, as well as introducing students to key anthropological concerns such as ritual, symbolism and religion.

### ANTH 202 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: ANTH 302

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ANTH202-20S1 (C)** Semester 1

### ANTH 207 Visual Anthropology

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores how visual representations of culture and cultural difference. It looks at a wide variety of visual media, including art, photography, film, video, and digital technologies, to explore the ways in which these shape both the perception, and the experience, of cultural difference.

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: ANTH 307

### ANTH 208 Food and Eating

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores the food chain, from production, through consumption, to exchange and considers the ways in which food is implicated in the reproduction of and resistance to, inequalities of class, gender, ethnicity and nationalism.

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: GEND 224, ANTH 308, SOCI 262, GEND 324, SOCI 362

EQ: SOCI 262

### ANTH 212 Kinship and Family in Comparative Perspective

15 Points 0.1250 EFTS

This course focuses on the importance and nature of family and kinship in the construction and maintenance of social relations by individuals as well as groups, in a variety of ethnographic contexts.

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: ANTH 312, GEND 218, GEND 318, SOCI 212, SOCI 312

EQ: SOCI 212

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ANTH212-20S1 (C)** Semester 1

### ANTH 213 Environment, Development and Disaster

15 Points 0.1250 EFTS

**Not offered in 2020**

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, natural disaster, 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: ANTH 313

EQ: ANTH 313

## Anthropology

### ANTH 223 Ethnicity, Racism and History

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: HIST 283, MAOR 230, PACS 204, SOCI 223

EQ: HIST 283, MAOR 230, PACS 204, SOCI 223

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ANTH223-20S2 (C) Semester 2

### ANTH 238 Exploring the Past: Museums, Memory and Material Culture

15 Points 0.1250 EFTS

This course is a 'hands-on' introduction to public history and historical ethnography, taught through a combination of workshops, tutorials and field trips.

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

R: HIST 288, SOCI 238

EQ: HIST 288, SOCI 238

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ANTH238-20S2 (C) Semester 2

### ANTH 250 Travel, Tourism and Pilgrimage

15 Points 0.1250 EFTS

Not offered in 2020

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: ANTH 350, SOCI 275, SOCI 375

EQ: SOCI 275

### ANTH 301 Doing Ethnography: Concepts and Practices

30 Points 0.2500 EFTS

This course explores the double meaning of ethnography in socio-cultural anthropology as the product of research and writing and as the process of fieldwork.

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: SOCI 353

EQ: SOCI 353

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

ANTH301-20S2 (C) Semester 2

### ANTH 302 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: ANTH 202

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

ANTH302-20S1 (C) Semester 1

### ANTH 307 Visual Anthropology

30 Points 0.2500 EFTS

Not offered in 2020

This course is about visual representations of culture and cultural difference. It looks at a wide variety of visual media, including art, photography, film, video, and digital technologies, to explore the ways in which these shape both the perception, and the experience, of cultural difference.

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: ANTH 207

### ANTH 308 Food and Eating

30 Points 0.2500 EFTS

Not offered in 2020

This course explores the food chain, from production, through consumption, to exchange

and considers the ways in which food is implicated in the reproduction of and resistance to, inequalities of class, gender, ethnicity and nationalism.

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: GEND 224, GEND 324, ANTH 208, SOCI 262, SOCI 362

EQ: SOCI 362

### ANTH 311 Mental Health and Society

30 Points 0.2500 EFTS

Not offered in 2020

This course will engage with debates and issues associated with mental health, mental illness and addictions. It will consider: differing approaches to 'madness'; critiques of the war on drugs; debates around psychotropic medications; Māori and indigenous perspectives on mental health; policy debates relating to mental health and addictions; global differences in the expression of mental distress; mental health consumers movements; and social and cultural determinants of mental health.

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: SOCI 347; SOCI 311

EQ: SOCI 311

### ANTH 312 Kinship and Family in Comparative Perspective

30 Points 0.2500 EFTS

This course focuses on the importance and nature of family and kinship in the construction and maintenance of social relations by individuals as well as groups, in a variety of ethnographic contexts.

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: ANTH 212, GEND 218, GEND 318, SOCI 212, SOCI 312

EQ: SOCI 312

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

ANTH312-20S1 (C) Semester 1

### ANTH 313 Environment, Development and Disaster

30 Points 0.2500 EFTS

Not offered in 2020

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, natural disaster, 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: ANTH 213

EQ: ANTH 213

### ANTH 350 Travel, Tourism and Pilgrimage

30 Points 0.2500 EFTS

Not offered in 2020

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: ANTH 250, SOCI 275, SOCI 375

EQ: SOCI 375

### ANTH 388 Contested Heritage: Politics, Power and Practice

30 Points 0.2500 EFTS

Not offered in 2020

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: SOCI 388

EQ: SOCI 388

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C)** Starts Anytime

**PACE395-20S1 (C)** Semester 1

**PACE395-20S2 (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.

## Tāura | Postgraduate

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

### **ANTH 401 Research Methodology and Ethical Controversies in Anthropology**

30 Points 0.2500 EFTS

This course is designed to provide students with an introduction to anthropological research and its various fieldwork methods, and to enable students to put these into practice. Each student, assisted by a supervisor, is required to select a research problem or topic, carry out required background reading, formulate appropriate research questions, choose or design methods appropriate to obtaining the data required to answer the questions, write a research proposal and an ethics proposal, carry out the research, present a progress report, and finally to analyse the material collected and write a final report detailing the research process and the results obtained, making reference to appropriate anthropological literature. This course is compulsory for students wanting to enrol in the Anthropology Honours programme. The course also provides preparation for entry into the M.A. (Anthropology) programme, for students wishing to progress to Masters by research thesis after completing the Honours degree.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ANTH401-20S2 (C)** Semester 2

### **ANTH 402 Issues and Debates in Contemporary Anthropology**

30 Points 0.2500 EFTS

This course addresses selected, current issues and debates of a theoretical, methodological and interpretative nature. This course is compulsory for students wanting to enrol in the Anthropology Honours programme.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ANTH402-20S1 (C)** Semester 1

### **ANTH 410 Multispecies Studies**

30 Points 0.2500 EFTS

This course introduces a new subfield of anthropology concerned with the interconnectedness of humans and other life forms. Recognizing that the human condition cannot be understood in isolation, it considers the meaningful agency of nonhuman others and their entanglement with human lives, landscapes and technologies. The course introduces students to cutting-edge studies of mammalian interspecies intimacies, to intersections with insects, fish, fungi, and microbes, to issues of extinction and invasion, and to the implications of other species for human bodies, economies, foods and technologies.

P: Subject to approval of the Head of Department.

R: CULT 421, SOCI 410

EQ: CULT 421, SOCI 410

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ANTH410-20S2 (C)** Semester 2

### **ANTH 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**ANTH690-20A (C)** Starts Anytime

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

### **ANTH 790 Anthropology PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Anthropology Programme Director.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**ANTH790-20A (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.

## 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

### **APSY 601 Employee Recruitment, Selection and Induction**

30 Points 0.2500 EFTS

The focus is on research and measurement problems as well as practical work and applications within the field of job analysis, and employee recruitment, selection and induction.

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**APSY601-20W (C)** Whole Year (S1 and S2)

Limited entry. See limitation of entry regulations.

### **APSY 607 Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

Direct enquiries to MSc in Applied Psychology Coordinator(s)

P: Subject to approval of the Head of Department.

Limited entry. See limitation of entry regulations.

### **APSY 612 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

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**APSY612-20S2 (C)** Semester 2

Limited entry. See limitation of entry regulations.

### **APSY 613 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

Direct enquiries in MSc in Applied Psychology Coordinator(s)

P: Entry subject to approval of the Head of Department

Limited entry. See limitation of entry regulations.

### **APSY 614 Leadership and Motivation in Organisations**

15 Points 0.1250 EFTS

The main objective of this course is to familiarise students with the content domain of leadership and of motivation in organisations. Both "classic" pieces and current research and theory will be examined. The leadership topics covered will include attribution theories, leader-member exchange, transformational leadership and ethical leadership. Motivation topics will include performance variability, attitudes, goal setting, and self regulation.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**APSY614-20S2 (C)** Semester 2

Limited entry. See limitation of entry regulations.

### **APSY 615 Organisational Development**

15 Points 0.1250 EFTS

This course focuses on a number of work related attitudes (e.g., organisational commitment, group cohesion, job satisfaction etc), theories that attempt to explain how these attitudes are related to organisational problems, the instruments that have been developed for their measurement, and how organisational development can change organisational attitudes and deal with problems. Organisational problems such as absenteeism, turnover, and safety, are a particular focus.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**APSY615-20S1 (C)** Semester 1

Limited entry. See limitation of entry regulations.



**APSY 617 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

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**APSY617-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

**APSY 618 Organisational Change: Directions for I/O Psychology Practice**

15 Points 0.1250 EFTS

The first course objective is to familiarise the students with frameworks and research (e.g., leadership, motivation, training, and individual differences) 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 challenges faced by change leaders and employees, and c) facilitate organisational change implementation as I/O practitioners. Topics covered include psychological mechanisms of change resistance and readiness, change leadership, and training for changing organisations.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**APSY618-20S1 (C) Semester 1**

Limited entry. See limitation of entry regulations.

**APSY 619 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

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**APSY619-20S1 (C) Semester 1**

Limited entry. See limitation of entry regulations.

**APSY 660 Dissertation**

90 Points 0.7500 EFTS

A supervised research dissertation. Candidates enrolled for APSY 660 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.

Domestic Fee: \$5,762 (2019)

International Fee: \$28,800 (2019)

**APSY660-20A (C) Starts Anytime**

Limited entry. See limitation of entry regulations.

**APSY 790 Applied Psychology PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**APSY790-20A (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.

# Architectural Engineering

## 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

**ENAE 601 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENAE601-20S1 (C) Semester 1****ENAE601-20S2 (C) Semester 2****ENAE 602 Collaborative 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENAE602-20S1 (C) Semester 1****ENAE602-20S2 (C) Semester 2****ENAE 603 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENAE603-20S2 (C) Semester 2****ENAE 604 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENAE604-20S2 (C) Semester 2****ENAE 605 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENAE605-20S1 (C) Semester 1****ENAE605-20S2 (C) Semester 2****ENAE 606 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENAE606-20S1 (C) Semester 1****ENAE606-20S2 (C) Semester 2****ENAE 607 Building Energy Systems Design Practice**

15 Points 0.1250 EFTS

**Not offered in 2020**

Building energy design philosophy, strategies and practice. Energy loads and energy supply systems. Energy audits, modelling and performance assessment. Design of energy efficient

building retrofits. Coordination and integration with other building design disciplines.

P: Subject to approval of the Head of Department

### ENAE 608 HVAC and Lighting Design Practice

15 Points 0.1250 EFTS

Not offered in 2020

Building environment design philosophy, strategies and practice. Selection and performance characteristics of lighting and HVAC systems. Indoor climate assessment, modelling and performance assessment. Coordination and integration with other building design disciplines.

P: Subject to approval of the Head of Department

### ENAE 609 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENAE609-20S1 (C) Semester 1

ENAE609-20S2 (C) Semester 2

### ENAE 610 Sustainability Assessment and Retrofit

15 Points 0.1250 EFTS

Building sustainability performance metrics. Modelling, measurement and survey methods for sustainability assessment of buildings. Retrofit, behaviour management and operational schemes for improving building sustainability.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENAE610-20S1 (C) Semester 1

ENAE610-20S2 (C) Semester 2

### ENAE 611 Human Factors in Building Design

15 Points 0.1250 EFTS

Not offered in 2020

Health, safety, access, productivity and well-being in building design. Modelling and assessing occupant behaviour. Designing buildings for human function and experience.

P: Subject to approval of the Head of Department

### ENAE 612 Advanced Building Environmental Control

15 Points 0.1250 EFTS

Not offered in 2020

Airflow and microclimates in and around buildings. Advanced airflow and building energy modelling methods. CFD for buildings. Passive and hybrid heating, cooling and ventilation systems. System commissioning.

P: Subject to approval of the Head of Department

### ENAE 620 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENAE620-20S1 (C) Semester 1

ENAE620-20S2 (C) Semester 2

## Art Curatorship

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

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

### ARTC 401 Practicum

30 Points 0.2500 EFTS

This course provides students with practical experience working under supervision of museum professionals within an art gallery or museum. The duration of the internship ranges from four to six weeks and students should expect to be present during normal working hours for up to four days a week. Internships normally occur at galleries or museums in Christchurch but students may also be placed in institutions in other centres where this is practicable. Every effort is made to place students in institutions where they will gain experience that is related to their particular interests. By working alongside museum and gallery professionals students gain an understanding of the practical aspects of how such institutions work, of the range of professional specialisations associated with working in such institutions and the variety of

activities occurring in museums and galleries. Assessment is based on a report provided by the institution where the student is placed.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,977 (2019)

International Fee: \$8,950 (2019)

ARTC401-20A (C) Starts Anytime

ARTC401-20S1 (C) Semester 1

ARTC401-20S2 (C) Semester 2

### ARTC 402 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 inherent in practices of collecting and display.

P: Subject to approval of the Head of Department.

R: ARTH 417, CULT 406

EQ: ARTH 417

Domestic Fee: \$1,977 (2019)

International Fee: \$8,950 (2019)

ARTC402-20S1 (C) Semester 1

### ARTC 404 Special Project

30 Points 0.2500 EFTS

The Special Project allows students to explore a topic associated with art curatorship in depth while working under the guidance of a member of academic staff. Students are encouraged to develop a topic that relates to their areas of particular interest in the field. Projects can range from a research essay exploring some aspect of curatorial practice, the history of display associated with a major artefact, or the impact of an important exhibition on curatorial practice, to the curation of a virtual exhibition. Students developing an exhibition project are expected to define a theme, make a selection of works to be included, write catalogue entries and a catalogue essay and develop a plan for the arrangement of works in the exhibition.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,977 (2019)

International Fee: \$8,950 (2019)

ARTC404-20A (C) Starts Anytime

ARTC404-20S1 (C) Semester 1

ARTC404-20S2 (C) Semester 2

## Toi o Nehe, Toi Ariā | Art History and Theory

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

### ARTH 103 '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.

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

ARTH103-19SU2 (D) Summer (Nov 19)

### ARTH 104 Māori Art: Taonga Tuku Iho

15 Points 0.1250 EFTS

Not offered in 2020

Taonga Tuku Iho (Treasures handed down from the ancestors) is an introductory survey of traditional Māori art forms within their social, historical and cultural contexts.

### ARTH 111 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: ARTT 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ARTH111-20S2 (C) Semester 2

### ARTH 112 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'.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ARTH112-20S1 (C) Semester 1



**ARTH 202 Art and Revolution**

15 Points 0.1250 EFTS

This course explores how art and architecture were caught up in a particularly eventful and transformative period in European history, from c.1750 to c.1850.

P: Any 15 points at 100 level from ARTH, or 60 points at 100 level from the Schedule V of the BA.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ARTH202-20S2 (C) Semester 2

**ARTH 210 Japanese Art**

15 Points 0.1250 EFTS

**Not offered in 2020**

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.

**ARTH 211 Theory of Criticism**

15 Points 0.1250 EFTS

This course examines the history, theory and practice of writing about visual art.

P: Any 15 points at 100 level from ARTH, or 60 points at 100 level from the Schedule V of the BA.

R: ARTT 202

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ARTH211-20S1 (C) Semester 1

**ARTH 215 International Contemporary Art**

15 Points 0.1250 EFTS

This course provides an introduction to international contemporary art, focusing on developments in Europe, the USA and New Zealand since 1945. 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: ARTT 102, ARTH 109

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ARTH215-20S1 (C) Semester 1

**ARTH 216 Greek Art: The Power of Images in Archaic and Classical Greece**

15 Points 0.1250 EFTS

**Not offered in 2020**

A survey of ancient Greek art - primarily architecture, sculpture, vase painting - from the eighth to fourth centuries BC and how these materials relate more broadly to their cultural context; tutorials will focus on objects in the James Logie Memorial Collection.

P: Any 15 points at 100 level from ARTH or CLAS, or 60 points at 100 level from the Schedule V of the BA.

R: CLAS 206, CLAS 336

EQ: CLAS 206

**ARTH 217 Kiwi Icons: Introduction to Art in Aotearoa New Zealand**

15 Points 0.1250 EFTS

In this course, art histories in Aotearoa New Zealand are explored through looking at a range of works deriving from Māori, Paheka, and Pacific traditions. These paintings, sculptures, and buildings have been selected for their rich entanglements with debates around art, culture, and society, and the course links these works and their creators with broader contexts, both in Aotearoa New Zealand and overseas.

P: 15 points at 100-level Art History and Theory and any 15 points from the BA schedule; or 45 points from the Arts schedule; or by approval of the Head of Department

R: ARTH 110

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

ARTH217-19SU2 (C) Summer (Nov 19)

**ARTH 218 Images in circulation: Print, photography, and pixels**

15 Points 0.1250 EFTS

This course focuses on how images communicate, and examines the contexts, exchanges, and transformations that shape their meanings. While visual sources are a ubiquitous part of the information economy, their specific properties enable them to work on audiences in ways that differ from written and spoken accounts. The course explores a range of approaches for thinking about images, what they can and can't do, and the spaces in which they circulate, being made and remade in the process. In particular, this course is concerned with the entanglements of media and meaning, and the how the changing technologies of image-making engender shifting conceptualisations of how visual sources and reality relate.

P: 15 pts ARTH at 100-level, or 60 points at 100-level.

RP: ARTH 112; ARTH 103; ARTH 111

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

ARTH218-20S2 (C) Semester 2

**ARTH 304 He Kōrero Toi Whiriwhiria: Indigenous Art**

30 Points 0.2500 EFTS

**Not offered in 2020**

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.

**ARTH 325 Aesthetic Theory**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines some of the principal problems in the study of aesthetics, and their relevance to contemporary art and theory.

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.

**ARTH 328 Art of the Floating World**

30 Points 0.2500 EFTS

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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

ARTH328-20S1 (C) Semester 1

**ARTH 329 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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

ARTH329-20S2 (C) Semester 2

**ARTH 330 Medium and Materiality in Contemporary Art**

30 Points 0.2500 EFTS

This course will examine medium and materiality across a range of contemporary art practices, focusing in particular on the shift from modernist notions of medium purity to the radical fracturing and opening up of medium 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.

RP: ARTH 215 International Contemporary Art

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

ARTH330-20S1 (C) Semester 1

**ARTH 331 Revival to Rebuild: the History of Architecture in Christchurch**

30 Points 0.2500 EFTS

**Not offered in 2020**

An exploration of Christchurch architecture and urbanism from European settlement to the present day. This course explores the rich diversity of Christchurch architecture that once defined the city's urban character, the impact of the earthquakes on that character, and examines recent influences to reshape and determine the city and its architecture since 2010.

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.

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PACE395-20A (C) Starts Anytime

PACE395-20S1 (C) Semester 1

PACE395-20S2 (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.

## Art History

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

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

### ARTH 415 Arts and Crafts Architecture

30 Points 0.2500 EFTS

**Not offered in 2020**

Arts and Crafts architecture will be examined within an international context, with emphasis on developments in the United States, Australia and New Zealand. Attention will also be given to the British origins of the movement and its impact on European architecture. Emphasis is placed on primary research and students will be encouraged to examine the adaptation of Arts and Crafts design principles to New Zealand conditions.

P: Subject to approval of the Head of Department.

### ARTH 417 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 inherent in practices of collecting and display.

P: Subject to approval of the Head of Department.

R: CULT 406 and ARTC 402

EQ: ARTC 402

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

ARTH417-20S1 (C) Semester 1

### ARTH 418 Aspects of Contemporary Art

30 Points 0.2500 EFTS

**Not offered in 2020**

This course looks at recent tendencies in contemporary art practice, as well as looking at key critical and theoretical texts relating to current art practice.

P: Subject to approval of the Head of Department.

R: ARTC 403, ARTT 425

EQ: ARTT 425

### ARTH 419 East Asian Art and Theory

30 Points 0.2500 EFTS

This course concentrates on selected art traditions of two countries - China and Japan - including painting, calligraphy, garden design, theatre, tea ceremony and flower arranging. It introduces selected works of art in conjunction with theoretical texts that explain them. The course includes field trips.

P: Subject to approval of the Head of Department.

R: ARTH 410

EQ: ARTT 410

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

ARTH419-20S2 (C) Semester 2

### ARTH 420 Anti-scrape to INTBAU: The History and Theory of Architectural Conservation

30 Points 0.2500 EFTS

**Not offered in 2020**

An examination of the history and theory of architectural conservation from the 1870s to the present day. Particular emphasis will be placed on developments in Britain and New Zealand, on the emergence of international conservation charters and the application of their principles to specific case studies.

P: Subject to approval of the Head of Department.

### ARTH 422 Talking Art: Issues in Aesthetics

30 Points 0.2500 EFTS

**Not offered in 2020**

This course covers a wide range of conceptual problems raised by art - from poetry to painting to cinema to music. It utilises perspectives from a range of disciplines.

P: Subject to approval of the Head of Department.

R: PHIL 445

### ARTH 423 Independent Course of Study

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

### ARTH 480 Research Paper

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

ARTH480-20S1 (C) Semester 1

ARTH480-20S2 (C) Semester 2

### ARTH 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

ARTH690-20A (C) Starts Anytime

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

### ARTH 790 Art History PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Convenor.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

ARTH790-20A (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.*

## Art Theory

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

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

### ARTT 410 East Asian Art and Theory

30 Points 0.2500 EFTS

This course concentrates on selected art traditions of two countries - China and Japan - including painting, calligraphy, garden design, theatre, tea ceremony and flower arranging. It introduces selected works of art in conjunction with theoretical texts that explain them. The course includes field trips.

P: Subject to approval of the Programme Convenor

R: ARTH 419

EQ: ARTH 419

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

ARTT410-20S2 (C) Semester 2

### ARTT 415 Art Theory

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Convenor.

R: PACS 414

EQ: PACS 414

### ARTT 425 Aspects of Contemporary Art

30 Points 0.2500 EFTS

**Not offered in 2020**

This course looks at recent tendencies in contemporary art practice, as well as looking at key critical and theoretical texts relating to current art practice.

P: Subject to approval of the Programme Convenor

R: ARTC 403; ARTH 418

EQ: ARTH 418

### ARTT 480 Research Essay

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Convenor.

### ARTT 481 Research Essay

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Convenor.

**ARTT 611 Research Paper**  
30 Points 0.2500 EFTS  
**Not offered in 2020**  
P: Subject to approval of the Programme Convenor.

**ARTT 690 MA Thesis**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Programme Convenor.  
Domestic Fee: \$7,022 (2019)  
International Fee: \$30,700 (2019)  
**ARTT690-20A (C) Starts Anytime**  
*Part-time enrolment (0.65 EFTS) is available on approval.*

**ARTT 790 Art Theory PhD**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Programme Convenor.  
Domestic Fee: \$7,022 (2019)  
International Fee: \$30,700 (2019)  
**ARTT790-20A (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.*

## Arts

*Te Rāngai Toi Tangata | College of Arts*

**ARTS 115 Islam and Islamic Societies**  
15 Points 0.1250 EFTS  
This course is an introduction to Islam, highlighting its principles, rituals and various manifestations in today's world. Offering a multi-disciplinary and global perspective, it aims to familiarize students with contemporary debates on various issues including political Islam, the role of Sharia, gender and Islam, Jihad and terrorism, Islamophobia and Islamic civil society. The course covers a wide range of countries including New Zealand.  
R: POLS 203  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)  
**ARTS115-20SU1 (D) Summer (Jan 20)**  
**ARTS115-20SU1 (C) Summer (Jan 20)**

## Tāura | Postgraduate

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

**ARTS 401 Arts Research and Scholarship: Introduction to Theories and Methods**  
30 Points 0.2500 EFTS  
This course will prepare students to carry out original research by an exploration of methods and epistemologies of research across Arts disciplines, including Kaupapa Māori approaches. It will provide students with a broad suite of essential postgraduate research skills, with a particular emphasis on research methods common to the humanities and social sciences. It will have a strongly practical focus.  
P: Permission of the Head of Department.  
Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)  
**ARTS401-20S1 (C) Semester 1**

## Astronomy

*Te Kura Matū | School of Physical and Chemical Sciences*

**ASTR 109 The Cosmos: Birth and Evolution**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
ASTR109 / PHYS 109 will take you on a grand tour of the universe! We will survey a range of topics in Astronomy, Astrophysics and Cosmology beginning with the denizens of our solar system and expanding outward to visit exotic stars and distant galaxies. During the journey we will learn about how the universe works and will highlight the key discoveries that have led us to this understanding.  
R: (1) PHYS 109. (2) Students who have been credited with ASTR 112 cannot subsequently be credited with ASTR 109.  
EQ: PHYS 109

**ASTR 112 Astrophysics**  
15 Points 0.1250 EFTS  
A general descriptive introduction to modern astrophysics: the Sun and stars, the Galaxy,

extragalactic systems and cosmology.  
Domestic Fee: \$900 (2019)  
International Fee: \$4,250 (2019)  
**ASTR112-20S1 (C) Semester 1**

**ASTR 211 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: 30 points from ASTR 112, MATH 100-level, STAT 100-level, PHYS 101-102, or PHYS 111. These prerequisites may be replaced by a high level of achievement in NCEA Level 3 Physics and Mathematics with Calculus or other background as approved by the Head of Department.  
R: ASTR 231  
Domestic Fee: \$900 (2019)  
International Fee: \$4,250 (2019)  
**ASTR211-20S2 (C) Semester 2**  
*Offered in odd-numbered years.*

**ASTR 212 Dynamical Astronomy and the Solar System**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
Orbital dynamics, the solar system and planetary exploration.  
P: 30 points from ASTR 112, MATH 100-level, STAT 100-level, PHYS 101-102, or PHYS 111. These prerequisites may be replaced by a high level of achievement in NCEA Level 3 Physics and Mathematics with Calculus or other background as approved by the Head of Department.  
*Offered in even-numbered years.*

**ASTR 231 Observational Astronomy**  
30 Points 0.2500 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: Subject to approval of the Head of Department.  
R: ASTR 211  
Domestic Fee: \$1,765 (2019)  
International Fee: \$8,000 (2019)  
**ASTR231-19SU2 (C) Summer (Nov 19)**

**ASTR 323 Stellar Structure and Evolution**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
The physics governing stellar structure, a descriptive approach to stellar evolution, and related topics.  
P: (1) 30 points from PHYS 203-206, ASTR 211-212; and (2) MATH 103 or MATH 109 or EMTH 119 or MATH 201.  
R: PHYS 323, ASTR 423  
EQ: PHYS 323  
*Offered in odd-numbered years.*

**ASTR 324 Special Topic**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: (1) 30 points from PHYS 203-206, ASTR 211-212; (2) MATH 103 or MATH 109 or EMTH 119 or MATH 201, or Entry by permission of the Head of School, School of Physical and Chemical Sciences.

**ASTR 325 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 PHYS 203-206, ASTR 211-212; and (2) MATH 103 or MATH 109 or EMTH 119 or MATH 201.  
R: PHYS 325, ASTR 425  
EQ: PHYS 325  
Domestic Fee: \$900 (2019)  
International Fee: \$4,250 (2019)  
**ASTR325-20S1 (C) Semester 1**  
*Offered in even-number years.*

**ASTR 326 Special Topic: Stars and the Interstellar Medium**

15 Points 0.1250 EFTS

P: (1) 30 points from PHYS 203-206, ASTR 211-212; (2) MATH 103 or MATH 109 or EMTH 119 or MATH 201.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**ASTR326-20S1 (C) Semester 1***Offered in odd-numbered years.***ASTR 381 Advanced Experiments in Physics and Astronomy**

15 Points 0.1250 EFTS

Execution and write-up of selected laboratory experiments.

P: (1) PHYS 285; (2) 30 points from PHYS 201-206 including either PHYS 202 or PHYS 205; (3) MATH 103 or EMTH 119 or MATH 201.

R: PHYS 381

RP: MATH 201

EQ: PHYS 381

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**ASTR381-20S2 (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.***ASTR 391 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) MATH 103 or MATH 109 or equivalent (2) 44 points from PHYS 200 or ASTR 200 (3) Entry subject to a supervisor approved by the Head of Department, being available

R: ASTR 392, ASTR 393

Domestic Fee: \$883 (2019)

International Fee: \$4,000 (2019)

**ASTR391-19SU2 (C) Summer (Nov 19)****ASTR391-20S1 (C) Semester 1****ASTR391-20S2 (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.***Tāura | Postgraduate***Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***ASTR 422 Theoretical and Observational Cosmology**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

R: PHYS 422, ASTR 322

EQ: PHYS 422

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ASTR422-20S2 (C) Semester 2****ASTR 423 Stellar Structure and Evolution**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: ASTR 323

*Offered in odd-numbered years.***ASTR 425 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: ASTR 325, PHYS 325

RP: ASTR 112, ASTR 211 or ASTR 212, 33 points from PHYS 221-224

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ASTR425-20S1 (C) Semester 1***Offered in even-numbered years.***ASTR 426 Special Topic: Stars and the Interstellar Medium**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ASTR426-20S1 (C) Semester 1****ASTR 427 Special Topic**

15 Points 0.1250 EFTS

P: Entry subject to approval of the Head of Department

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ASTR427-20S2 (C) Semester 2****ASTR 430 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ASTR430-20S1 (C) Semester 1****ASTR430-20W (C) Whole Year (S1 and S2)****ASTR430-20S2 (C) Semester 2****ASTR 480 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

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**ASTR480-20A (C) Starts Anytime****ASTR 690 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**ASTR690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***ASTR 790 Astronomy PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**ASTR790-20A (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.***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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***CMDS 651 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)

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS651-20S1 (C) Semester 1****CMDS 652 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)

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS652-20S1 (C) Semester 1**

**CMDS 653 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)

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS653-20S1 (C) Semester 1****CMDS 654 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)

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**CMDS654-20X (C) 24 Feb 2020 - 14 Feb 2021****CMDS 655 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 Department, CMDS 651.

RP: BSc, BSLP (Hons)

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS655-20S2 (C) Semester 2****CMDS 656 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 Department, CMDS 652.

RP: BSc, BSLP (Hons)

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS656-20S2 (C) Semester 2****CMDS 657 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 Department, CMDS 653.

RP: BSc, BSLP (Hons)

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS657-20S2 (C) Semester 2****CMDS 658 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 rehabilitative 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 Department, CMDS 654.

RP: BSc, BSLP (Hons)

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**CMDS658-20X (C) 24 Feb 2020 - 21 Feb 2021****CMDS 690 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 from the Head of Department.

RP: BSc, BSLP (Hons)

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**CMDS690-20A (C) Starts Anytime***Part-time enrolment (0.4875 EFTS) is available on approval.***CMDS 795 Audiology PhD**

120 Points 1.0000 EFTS

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

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**CMDS795-20A (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.***Bicultural Co-Governance***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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***BCNR 691 Co-governance Research Project**

60 Points 0.5000 EFTS

P: Subject to the approval of the Head of School

Domestic Fee: \$4,087 (2019)

International Fee: \$19,200 (2019)

**BCNR691-20S2 (C) Semester 2****Biochemistry***Te Kura Matū | School of Physical and Chemical Sciences***BCHM 111 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: BIOL 111

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM111-20S1 (C) Semester 1****BCHM 112 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) CHEM 114, or at least B Grade in BRDG 023.

R: CHEM 112

EQ: CHEM 112

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM112-20S2 (C) Semester 2****BCHM 202 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: BCHM 111 (BIOL 111) or ENCH 281.

R: BIOL 230, BIOL 231, ENGR 407

RP: CHEM 112 or BCHM 112 or CHEM 114

EQ: BIOL 231, ENGR 407

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM202-20S1 (C) Semester 1****BCHM 206 Organic Chemistry**

15 Points 0.1250 EFTS

Reaction mechanisms, synthesis and biosynthesis of organic compounds.

P: CHEM 212 or BCHM 212

R: CHEM 242

EQ: CHEM 242

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM206-20S2 (C) Semester 2**



**BCHM 207 Special Topic**

15 Points 0.1250 EFTS

Selected lectures, tutorials and laboratories from courses relevant to biochemistry. Exchange students only may enrol in this course. Credit 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 Coordinator, Biochemistry

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM207-20S1 (C)** Semester 1

**BCHM207-20W (C)** Whole Year (S1 and S2)

**BCHM 212 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: CHEM 212

EQ: CHEM 212

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM212-20S1 (C)** Semester 1

**BCHM 222 BIOCHEMISTRY B - Metabolism; the reactions of molecules in cells**

15 Points 0.1250 EFTS

The general principles of metabolism and metabolic control.

P: BCHM 221 or BCHM 253 or BIOL 253

R: BCHM 201, ENGR 407

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM222-20S2 (C)** Semester 2

**BCHM 253 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: BIOL 111 (BCHM 111) or ENCH 281.

R: BIOL 253

RP: 15 points of CHEM at 100 level

EQ: BIOL 253

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM253-20S1 (C)** Semester 1

**BCHM 281 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: CHEM 111 or CHEM 112 (BCHM 112)

R: CHEM 281

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM281-20S2 (C)** Semester 2

**BCHM 303 Special Topic**

15 Points 0.1250 EFTS

Selected lectures, tutorials and laboratories from courses relevant to biochemistry. Exchange students only may enrol in this course. Credit 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 Coordinator, Biochemistry.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM303-20W (C)** Whole Year (S1 and S2)

**BCHM 304 Special Topic**

15 Points 0.1250 EFTS

P: Entry subject to approval of the Coordinator, Biochemistry

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM304-20W (C)** Whole Year (S1 and S2)

**BCHM 305 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: BCHM 253/BIOL 253 and BCHM 222.

R: BCHM 301

RP: BCHM 202/BIOL 231, BCHM 206/CHEM 242, BCHM 212/CHEM 212.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM305-20S1 (C)** Semester 1

**BCHM 306 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: BCHM 253/BIOL 253 and BCHM 222, and 15 points from BCHM 206, BCHM 212/CHEM 212.

R: BCHM 301, BCHM 302

RP: BCHM 202/BIOL 231.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM306-20S2 (C)** Semester 2

**BCHM 335 Biochemical and Environmental Toxicology**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines the effects of exposure to toxic chemicals, risk assessment, risk management, routes of exposure and biochemical mechanisms of toxicity.

P: (1) CHEM 244 or CHEM 211 or CHEM 281 or BCHM 281, (2) BCHM 111 (BIOL 111) or ENCH 281.

R: BCHM 302; CHEM 325

RP: CHEM 112 or BCHM 112

**BCHM 338 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: CHEM 212 or BCHM 212 Recommended preparation: BCHM 202 (BIOL 231) and/or CHEM 242 (BCHM 206)

R: CHEM 325; BCHM 302; CHEM 338

RP: BCHM 202 (BIOL 231) and/or CHEM 242 (BCHM 206)

EQ: CHEM 338

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM338-20S1 (C)** Semester 1

**BCHM 339 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: CHEM 212 or BCHM 212.

R: CHEM 339; CHEM 325; BCHM 302

RP: CHEM 242 (BCHM 206)

EQ: CHEM 339

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM339-20S2 (C)** Semester 2

**BCHM 381 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: BCHM 201 (if taken prior to 2005) or BCHM 281 or CHEM 281

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BCHM381-20S2 (C)** Semester 2

## Tāura | Postgraduate

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

**BCHM 407 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BCHM407-20W (C) Whole Year (S1 and S2)****BCHM 408 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BCHM408-20W (C) Whole Year (S1 and S2)****BCHM 409 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BCHM409-20S2 (C) Semester 2****BCHM 413 Special Topic: Independent Course of Study**

72 Points 0.6000 EFTS

**Not offered in 2020**

P: Entry with the approval of the Programme Coordinator, Biochemistry.

**BCHM 420 Biological Chemistry**

30 Points 0.2500 EFTS

Contemporary research areas such as biologically-active organic compounds; biochemical processes; molecular recognition; bioinorganic chemistry.

P: Subject to the approval of the Head of Department

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BCHM420-20W (C) Whole Year (S1 and S2)****BCHM 455 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: BIOL 493, BIOL 455

RP: BIOL 313, BIOL 333, BCHM 301/BIOL 331

EQ: BIOL 455

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BCHM455-20S1 (C) Semester 1****BCHM 457 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: BIOL 457

RP: BIOL 331/BCHM 301 (Biochemistry 3) and/or Protein Science (BIOL 435/BCHM 403), which is designed to be a compatible course run in S1. In addition, one from the following is highly recommended: BIOL 313 (Microbiology) or BIOL 333 (Molecular Genetics) (or equivalent, as determined by course co-ordinator).

EQ: BIOL 457

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BCHM457-20S2 (C) Semester 2****BCHM 459 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: BIOL 430/BCHM 406/BIOL 459

EQ: BIOL 459

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BCHM459-20S2 (C) Semester 2****BCHM 460 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: BIOL 434/BCHM 405/BIOL 460

RP: BIOL 333, BIOL 334, BCHM 301/BIOL 331, BIOL 335

EQ: BIOL 460

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BCHM460-20S1 (C) Semester 1****BCHM 461 Protein Science**

15 Points 0.1250 EFTS

An advanced treatment of protein science, covering structure, function, applications, and the inter-relationships between these.

R: BIOL 435/BCHM 403/BIOL 461

EQ: BIOL 461

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BCHM461-20S1 (C) Semester 1****BCHM 462 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 evaluation of competing theories on the mechanism of selected disease pathologies.

R: BIOL 436/BCHM 401/BIOL 462

EQ: BIOL 462

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BCHM462-20S2 (C) Semester 2****BCHM 480 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.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BCHM480-20W (C) Whole Year (S1 and S2)****BCHM 690 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**BCHM690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***BCHM 790 Biochemistry PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**BCHM790-20A (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.*



## Bioengineering

### Department of Mechanical Engineering

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

#### ENBI 601 Medical Bioengineering

15 Points 0.1250 EFTS

Not offered in 2020

An introduction to and problem solving in the 5 key clinical areas of cardiovascular, renal, neurological, respiratory and musculoskeletal. Lectures given by staff at UC and the Christchurch School of Medicine and Health Sciences.

#### ENBI 605 Biomedical Engineering Simulations

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of Department.  
R: ENME 409, ENME 609

#### ENBI 690 Bioengineering ME Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

ENBI690-20A (C) Starts Anytime

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

#### ENBI 790 Bioengineering PhD

120 Points 1.0000 EFTS

P: Subject to the approval of the Head of Department

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

ENBI790-20A (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.

## Biological Sciences

### Te Kura Pūtaiao Koiora | School of Biological Sciences

#### BIOL 111 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: ENCH 281 and BCHM 111

EQ: BCHM 111

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL111-20S1 (C) Semester 1

#### BIOL 112 Ecology, Evolution and Conservation

15 Points 0.1250 EFTS

An integrated course embracing the principles of ecology, behaviour, genetics, evolution and conservation biology.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL112-20S2 (C) Semester 2

Fieldwork is required.

#### BIOL 113 Diversity of Life

15 Points 0.1250 EFTS

An overview of the diversity, evolution, structure and function of animals, plants and microbes.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL113-20S1 (C) Semester 1

#### BIOL 116 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL116-20S2 (C) Semester 2

#### BIOL 209 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: STAT 101 or 15 points of 100 level MATH

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL209-20S1 (C) Semester 1

#### BIOL 210 Vertebrate Biology

15 Points 0.1250 EFTS

The comparative anatomy, general biology, ecology, physiology and evolutionary history of the vertebrates.

P: BIOL 113

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL210-20S2 (C) Semester 2

#### BIOL 211 Insect Biology

15 Points 0.1250 EFTS

The biology of insects and other non-marine arthropods, with emphasis on environmental relationships and management. Note - this course will be offered in even-numbered years.

P: BIOL 113

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL211-20T4 (C) 07 Sep 2020 - 08 Nov 2020

#### BIOL 212 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: BIOL 112 and BIOL 113

Domestic Fee: \$935 (2019)

International Fee: \$4,800 (2019)

BIOL212-20S1 (C) Semester 1

Fieldwork is required.

#### BIOL 213 Microbiology

15 Points 0.1250 EFTS

An introduction to the fundamental principles of microbiology and microbial genetics.

P: BIOL 111

RP: BIOL 113 and BIOL 231/BCHM 202

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL213-20S2 (C) Semester 2

#### BIOL 215 Origins and Classification of Life

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: 15 points from: BIOL 111, BIOL 112, BIOL 113

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

BIOL215-20S2 (C) Semester 2

**BIOL 231 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: BIOL 111 (=BCHM 111) or ENCH 281

R: BCHM 202, ENCH 480, BIOL 230

EQ: BCHM 202, ENCH 480

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL231-20S1 (C) Semester 1****BIOL 250 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: BIOL 111 (=BCHM 111) or ENCH 281

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL250-20S1 (C) Semester 1****BIOL 253 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: BIOL 111 (=BCHM 111) or ENCH 281

R: BCHM 253

EQ: BCHM 253

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL253-20S1 (C) Semester 1****BIOL 254 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: BIOL 111 (=BCHM 111) or ENCH 281

R: BIOL 252

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL254-20S2 (C) Semester 2****BIOL 270 Ecology**

30 Points 0.2500 EFTS

Principles of ecology with an emphasis on New Zealand factors affecting plant and animal ecology, including population ecology, competition, resource acquisition, disturbance and succession.

P: BIOL 112

R: FORE 202

Domestic Fee: \$1,870 (2019)

International Fee: \$9,600 (2019)

**BIOL270-20S1 (C) Semester 1***Fieldwork is required.***BIOL 271 Evolution**

15 Points 0.1250 EFTS

An introduction to evolution: patterns and processes of evolution; mechanisms of evolution, adaptation, speciation and extinction.

P: BIOL 112

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL271-20S1 (C) Semester 1****BIOL 272 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: BIOL 112 or PSYC 105

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL272-20S2 (C) Semester 2****BIOL 273 New Zealand Biodiversity and Biosecurity**

15 Points 0.1250 EFTS

An overview of the indigenous flora and fauna of New Zealand, including their biogeographic origins, the unique and unusual aspects of native organisms, the makeup of native communities, and their interactions with introduced organisms. Emphasis will be placed on the role of biological invaders in modifying New Zealand ecosystems.

P: BIOL 112 or BIOL 113

R: BIOL 114

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL273-20S2 (C) Semester 2***Fieldwork is required.***BIOL 305 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: BIOL 215 or BIOL 270 or BIOL 273 or subject to approval by the Head of the School of Biological Sciences

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL305-20SU1 (C) Summer (Jan 20)***Limited entry. See limitation of entry regulations. Fieldwork is required.***BIOL 306 Special Topic**

15 Points 0.1250 EFTS

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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL306-20W (C) Whole Year (S1 and S2)****BIOL 307 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. Exchange students and new enrolments only may enrol in this course. Credit for this course may not be used to satisfy the requirements of a University of Canterbury degree. Internally assessed.

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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL307-20A (C) Starts Anytime****BIOL307-20S1 (C) Semester 1****BIOL307-20S2 (C) Semester 2****BIOL 308 Special Topic**

30 Points 0.2500 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. Exchange students and new enrolments only may enrol in this course. Credit for this course may not be used to satisfy the requirements of a University of Canterbury degree. Internally assessed.

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

Domestic Fee: \$1,801 (2019)

International Fee: \$8,500 (2019)

**BIOL308-20A (C) Starts Anytime****BIOL308-20S1 (C) Semester 1****BIOL308-20S2 (C) Semester 2****BIOL 309 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: BIOL 209

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL309-20S2 (C) Semester 2****BIOL 313 Advanced Microbiology**

15 Points 0.1250 EFTS

This course extends material given in BIOL 213 and explores advanced food and agriculture microbiology, microbial ecology, disease and pathogenesis, and immunology. Additional topics in the field of applied microbiology including bioremediation, biofuels and biogeochemical engineering will also be covered. The entire practical component of the course consists of a research project.

P: BIOL 213 and BIOL 231 (=BCHM 202)

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL313-20S2 (C) Semester 2**

**BIOL 332 Genetics, Evolution and Ecology of Invasive Species**

15 Points 0.1250 EFTS

An introduction to the genetics and evolution of biological invasions, including the use of molecular tools to answer applied questions regarding the source, spread, and effects of introduced organisms within an ecological context.

P: BIOL 215 or BIOL 271

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL332-20S2 (C) Semester 2****BIOL 333 Molecular Genetics**

15 Points 0.1250 EFTS

BIOL 333 is an advanced molecular genetics course that builds on the conceptual frameworks developed in the pre-requisite course BIOL 231/BCHM 202. It provides in-depth coverage across the breadth of life with an emphasis on gene expression, gene concepts and biotechnology.

P: BIOL 231 (=BCHM 202)

R: BIOL 330

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL333-20S1 (C) Semester 1****BIOL 334 Evolutionary Genetics and Genomics**

15 Points 0.1250 EFTS

BIOL 334 is an advanced course that builds on the conceptual frameworks developed in the pre-requisite course BIOL 271. 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: BIOL 215 and BIOL 271

R: BIOL 330

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL334-20S2 (C) Semester 2****BIOL 336 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: BIOL 209 or 15 Points of 200-level COSC or DATA or EMTH or ENCE or PHYS or MATH or STAT

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL336-20S1 (C) Semester 1****BIOL 351 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: BIOL 253 (=BCHM 253)

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL351-20S2 (C) Semester 2****BIOL 352 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: BIOL 254 or BIOL 253 (=BCHM 253) or BIOL 231 (=BCHM 202)

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL352-20S1 (C) Semester 1****BIOL 354 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: BIOL 250

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL354-20S2 (C) Semester 2****BIOL 355 Neurons, Hormones and Behaviour**

15 Points 0.1250 EFTS

The physiological basis of behaviour. Building on the introduction to Animal Physiology in BIOL 250, 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: BIOL 250

RP: BIOL 272

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL355-20S1 (C) Semester 1****BIOL 371 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: BIOL 271

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL371-20S1 (C) Semester 1****BIOL 375 Freshwater Ecosystems**

15 Points 0.1250 EFTS

Advanced theories and concepts of freshwater ecology and their practical application to current issues.

P: BIOL 270 and BIOL 209

Domestic Fee: \$935 (2019)

International Fee: \$4,800 (2019)

**BIOL375-20S2 (C) Semester 2***Fieldwork is required.***BIOL 377 Global Change 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: BIOL 209 and BIOL 270

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL377-20S1 (C) Semester 1***Fieldwork is required.***BIOL 378 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: BIOL 209 and BIOL 270

Domestic Fee: \$935 (2019)

International Fee: \$4,800 (2019)

**BIOL378-20S1 (C) Semester 1***Fieldwork is required.***BIOL 383 Behavioural Ecology**

15 Points 0.1250 EFTS

The development and adaptive significance of behaviour with emphasis on the relationship between ecology and behaviour.

P: BIOL 209 and BIOL 272

R: BIOL 373

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL383-20S1 (C) Semester 1***Fieldwork is required.***BIOL 384 Marine Ecosystems**

15 Points 0.1250 EFTS

Advanced theories, concepts and applications of marine ecology to current issues.

P: (1) BIOL 270 and (2) BIOL 209.

R: BIOL 374

RP: BIOL 212

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**BIOL384-20S2 (C) Semester 2***Fieldwork is required.*

## Tāura | Postgraduate

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

**BIOL 401 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.

Domestic Fee: \$2,067 (2019)

International Fee: \$9,150 (2019)

**BIOL401-19SU2 (C)** Summer (Nov 19)**BIOL401-20SU1 (C)** Summer (Jan 20)**BIOL 402 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.

Domestic Fee: \$2,067 (2019)

International Fee: \$9,150 (2019)

**BIOL402-19SU2 (C)** Summer (Nov 19)**BIOL402-20SU1 (C)** Summer (Jan 20)**BIOL 404 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BIOL404-20W (C)** Whole Year (S1 and S2)**BIOL 406 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BIOL406-20W (C)** Whole Year (S1 and S2)**BIOL 407 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BIOL407-20W (C)** Whole Year (S1 and S2)**BIOL 408 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BIOL408-20W (C)** Whole Year (S1 and S2)**BIOL 409 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BIOL409-20W (C)** Whole Year (S1 and S2)**BIOL 411 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: BIOL 405

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL411-20S1 (C)** Semester 1**BIOL 412 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: BIOL 411. For those students who begin 4th year in the middle of the year, BIOL 410 and BIOL 411 must be completed in Semester 1 of the following year.

R: BIOL 405

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL412-20S1 (C)** Semester 1**BIOL412-20S2 (C)** Semester 2**BIOL 415 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL415-20S1 (C)** Semester 1**BIOL415-20S2 (C)** Semester 2**BIOL 420 Terrestrial Ecology**

15 Points 0.1250 EFTS

This course covers current advances in terrestrial ecology with a focus on population and species ecology. It covers species interactions, such as herbivory, pollination, seed dispersal, and epidemics. Examples concentrate on interactions among vascular plants (trees and shrubs), vertebrate and invertebrate animals, and pathogens, and interactions of those species with the physical environment.

P: Subject to approval of the Head of School.

R: BIOL 478

RP: BIOL 378 Population Ecology and Conservation

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL420-20S2 (C)** Semester 2**BIOL 423 Evolutionary Ecology**

15 Points 0.1250 EFTS

Aims to equip ecology students with the evolutionary biology underpinning the discipline.

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: BIOL 478

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL423-20S2 (C)** Semester 2**BIOL 424 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: BIOL 471

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL424-20S2 (C)** Semester 2**BIOL 425 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: BIOL 472

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL425-20S1 (C)** Semester 1**BIOL 426 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 BIOL 429 which looks at conservation genetics.

P: Subject to approval of the Head of School.

R: BIOL 474

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL426-20S2 (C)** Semester 2

**BIOL 427 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: BIOL 479

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL427-20S1 (C) Semester 1****BIOL 428 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: BIOL 270 or BIOL 250

R: BIOL 473

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL428-20S1 (C) Semester 1****BIOL 429 Conservation Genetics**

15 Points 0.1250 EFTS

This course addresses contemporary issues in conservation genetics including the genetic consequences of small population size, the genetic consequences of hybridisation and introgression, the role of genetics in species recovery, and the genetic management of captive and wild populations in collaboration with diverse end-users.

P: Subject to approval of the Head of School.

R: BIOL 431

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL429-20S1 (C) Semester 1****BIOL 438 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: BIOL 470

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL438-20S1 (C) Semester 1****BIOL 455 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: BIOL 493

RP: BIOL 313, BIOL 333, BCHM 301/BCHM 331

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL455-20S1 (C) Semester 1****BIOL 456 Dynamics of Microbiological Interactions**

15 Points 0.1250 EFTS

Biological interactions, particularly with micro-organisms, 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 micro-organisms (bacteria, oomycetes, fungi, archaea) with plants and animals, other micro-organisms and extreme environments. Students will develop skills in evaluating how molecular, ecological, biochemical and synthetic community approaches all contribute to our understanding of these critical, yet challenging to study, interactions. Students will apply their understanding to practical questions in using micro-organisms for biological control and primary productivity and to understanding gut microbiome.

P: Subject to approval of the Head of School.

R: BIOL 493

RP: At least one of BIOL 313, BIOL 332-335, BIOL 352, BIOL 455, BIOL 460, and/or BCHM 305.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL456-20S2 (C) Semester 2****BIOL 457 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: BIOL 331/BCHM 301 (Biochemistry 3) and/or Protein Science (BIOL 435/BCHM 403), which is designed to be a compatible course run in S1. In addition, one from the following is highly recommended: BIOL 313 (Microbiology) or BIOL 333 (Molecular Genetics) (or equivalent, as determined by course co-ordinator).

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL457-20S2 (C) Semester 2****BIOL 459 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: BIOL 430/BCHM 406/BCHM 459

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL459-20S2 (C) Semester 2****BIOL 460 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: BIOL 434/BCHM 405

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL460-20S1 (C) Semester 1****BIOL 461 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: BIOL 435/BCHM 403

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL461-20S1 (C) Semester 1****BIOL 462 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 evaluation of competing theories on the mechanism of selected disease pathologies.

P: Subject to approval of the Head of School.

R: BIOL 436/BCHM 401

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL462-20S2 (C) Semester 2****BIOL 463 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: BIOL 432

RP: Recommended preparatory course BIOL 351 or BIOL 331/BCHM 301

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL463-20S1 (C) Semester 1**

## Biosecurity

### BIOL 480 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 BIOL 401–BIOL 493 (refer to degree schedule).

P: Subject to the approval of Head of School

Domestic Fee: \$1,987 (2019)

International Fee: \$9,600 (2019)

**BIOL480-20W (C) Whole Year (S1 and S2)**

### BIOL 481 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: BIOL 451

RP: BIOL 354

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL481-20S2 (C) Semester 2**

### BIOL 496 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: BIOL 491

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**BIOL496-20S2 (C) Semester 2**

### BIOL 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to the approval of Head of School

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**BIOL690-20A (C) Starts Anytime**

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

### BIOL 790 PhD Thesis

120 Points 1.0000 EFTS

P: Subject to approval of Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**BIOL790-20A (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.*

## Biosecurity

Te Kura Pūtaiao Koiora | School of Biological Sciences

### BIOS 201 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: BIOS 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**BIOS201-20S2 (C) Semester 2**

*Limited entry. See limitation of entry regulations.*

## Biotechnology

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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

### BIOT 480 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 BIOL 401–493 (refer to degree schedule).

P: Subject to approval of the Head of Department

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**BIOT480-20W (C) Whole Year (S1 and S2)**

### BIOT 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**BIOT690-20A (C) Starts Anytime**

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

### BIOT 790 Biotechnology PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**BIOT790-20A (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.*

## Business

Te Kura Ture | UC Business School

### BSNS 201 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: ACCT 102, ECON 104, MGMT 100

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**BSNS201-20S1 (C) Semester 1**

**BSNS201-20S2 (C) Semester 2**

### BSNS 299 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.

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**BSNS299-20W (C) Whole Year (S1 and S2)**

**BSNS299-20S1 (C) Semester 1**

**BSNS299-20S2 (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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

### MBAD 601 Managerial Accounting

10 Points 0.0833 EFTS

**Not offered in 2020**

The course focuses on the generation and interpretation of published financial statements as well as the use of financial information for managerial planning and control purposes.

P: Subject to approval of the MBA Director

*Special MBA fee also applies.*



**MBAD 604 Business Economics**

10 Points 0.0833 EFTS

**Not offered in 2020**

Economics is the study of the choices people make and how they interact with others in the allocation and use of scarce resources. By applying economic principles to everyday real life you will gain some idea of what it means to "think like an economist". The emphasis is on using the lens of economics to explain what we observe around us. You will find that economics is all around you - not just in the world of business but in the whole world.

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 605 Managing People and Performance**

10 Points 0.0833 EFTS

The effective management of people and the sustainability of human capital are major leadership responsibilities. This course provides a guide to this challenging area of leadership and aims to help you apply basic human resource management (HRM) principles and techniques in ways that are both organisationally relevant and topical.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD605-20X (C) 29 June 2020 - 23 Aug 2020***Special MBA fee also applies.***MBAD 606 Marketing Principles**

10 Points 0.0833 EFTS

**Not offered in 2020**

The core of this course revolves around marketing planning and strategic decision making. It will delve deeper into key emerging topics of the marketing environment. Lectures and discussions introduce students to the concepts underlying market opportunity analysis and the development, implementation and control of strategic marketing programmes. Students will learn to work as part of a team to develop and present marketing cases and their own marketing plan in a simulated "Dragons Den" format at the end of the course. Groups will include 3 or 4 students per group depending on final student numbers in the course.

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 611 Managerial Finance**

10 Points 0.0833 EFTS

**Not offered in 2020**

The course focuses on understanding the purpose and tasks undertaken by finance and treasury managers in organisations. It looks at the ways organisations raise and utilise funding and provides the tools necessary to assess the potential and existing performance of projects and investments through an understanding of the time value of money. It also takes a detailed look at how organisations manage financial risk. In addition, the course examines returns on investments, the financial markets, derivatives and international capital flows.

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 612 Operations Management**

10 Points 0.0833 EFTS

**Not offered in 2020**

As global competition in both manufacturing and services increases, operations can be a significant source of competitive advantage for a firm. This course exposes students to a range of concepts, tools and techniques for creating value in the design, direction and control of processes that transform inputs into products and/or services. The topics include: operations strategy, forecasting, capacity, design of processes and supply chain management

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 615 Leading Ourselves**

10 Points 0.0833 EFTS

This course will assist you to analyse complex organisational behaviour topics at individual, group and organisational levels. The course is focused on accurate problem analysis as well as the leadership skills required to intervene effectively in complex organisational systems.

P: Subject to approval of the MBA Director

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD615-20X (C) 27 Jan 2020 - 22 Mar 2020***Special MBA fee also applies.***MBAD 631 Innovative Business Strategy**

10 Points 0.0833 EFTS

This is an application-focused course detailing contemporary approaches to strategy analysis and formulation that help businesses sustain an innovative orientation and respond to external challenges. The course regards strategy from its fundamental roots in the Greek "strategos" and emphasises the fundamental objective to build advantage or ensure survival. It shows that strategy is a highly iterative process of analysis, choice and action that impacts on the key result

areas that are needed to achieve the organisation's objectives. The nexus between strategy and innovation is emphasised where strategy is the "how" and innovation supplies the "what".

P: Subject to approval of the MBA Director

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD631-20X (C) 28 Sep 2020 - 22 Nov 2020***Special MBA fee also applies.***MBAD 632 Strategy and International Business**

10 Points 0.0833 EFTS

**Not offered in 2020**

This course introduces you to major contemporary issues and debates concerning developing and implementing strategy in an increasingly global environment. The Strategy & IB course is important to everyone with a sense of adventure and curiosity about the wider business world: not only those aiming to work overseas in large corporates, but also those in smaller and domestic organisations – since all economies and businesses are globally interconnected.

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 642 Leading Others**

10 Points 0.0833 EFTS

Provides participants with the theory and practical tools to help you build high performing teams. You will learn to identify the stages of team development and what tools you can use to move a team through each of those stages successfully. You will also explore your own personality in the context of communication and team leadership, and you will use the FIRO-B instrument to understand how the personality mix in any team influences its group dynamics. The course concludes with a highly interactive one-day team simulation where you can practice your new knowledge and skills.

P: Subject to approval of the MBA Director

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD642-20X (C) 30 Mar 2020 - 24 May 2020***Special MBA fee also applies.***MBAD 643 Leading Change**

10 Points 0.0833 EFTS

This course will give you an insight into the excitement and challenge associated with introducing and leading change, especially strategic change, in organisations. The course is based on Associate Professor Nilakant's change management model that views change management as addressing four complex tasks: a. appreciating change, b. mobilising support, c. executing change, and d. building change capability.

P: Subject to approval of the MBA Director

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD643-20X (C) 04 May 2020 - 28 June 2020***Special MBA fee also applies.***MBAD 644 Interpersonal Skills for Leaders**

10 Points 0.0833 EFTS

This three-day block course is a highly experiential learning experience that will challenge you to re-look at the way you lead. Based on the T-Group methodology used on the Stanford University MBA programme you will have the opportunity to identify and practice new leadership behaviours, while gaining increased awareness of your blind-spots and strengths. You will receive extensive feedback on your leadership style, and importantly you will learn how to change your behaviour once you know what it is you want to change.

P: Subject to approval of the MBA Director

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD644-20X1 (C)****MBAD644-20X2 (C)****MBAD644-20X3 (C)****MBAD644-20X4 (C)****MBAD644-20X5 (C)****MBAD644-20X6 (C)****MBAD644-20X7 (C)****MBAD644-20X8 (C)****MBAD644-20X9 (C)****MBAD644-20X (C) 26 Oct 2020 - 20 Dec 2020***Special MBA fee also applies.***MBAD 645 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director

*Special MBA fee also applies.*



**MBAD 647 Marketing Research**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 652 Project Management**

10 Points 0.0833 EFTS

**Not offered in 2020**

Organisational project management (i.e. Portfolio, program and project management) has significant relevance for the entire MBA curriculum, as the successful management of portfolios, programs and projects, either within a functional area or on a broader scale, is an important competency for managers and essential for organisational strategic success. The course will be based on the international project management frameworks and standards including ISO, Portfolio, Project and Project Management frameworks including information contained in the Guide to the Project Management Body of Knowledge (The PMBOK® Guide) many of which overlap with over subjects within the MBA programme. The course is useful for all students who will be completing projects, managing project managers or in senior management positions making decisions about the strategic alignment of projects

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 653 International Business Negotiations in Multi-cultural Environments**

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  
 Domestic Fee: \$1,598 (2019)  
 International Fee: \$2,624 (2019)

**MBAD653-20X (C) 04 May 2020 - 17 May 2020***Special MBA fee also applies.***MBAD 654 Entrepreneurship and Small Business**

10 Points 0.0833 EFTS

**Not offered in 2020**

The decision to start business is made hundreds of times 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  
*Special MBA fee also applies.*

**MBAD 658 Business Law**

10 Points 0.0833 EFTS

**Not offered in 2020**

The course will give participants an overview of selected areas of contract, business and employment law as well as taxation relevant to the business environment.

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 661 Corporate Governance**

10 Points 0.0833 EFTS

**Not offered in 2020**

This course will cover the following topics: what is corporate governance, the role of boards in strategy creation and financial management, the duties and liabilities of directors, board dynamics and culture, managing corporate risk.

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 662 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 663 Leading Sustainable Enterprises**

10 Points 0.0833 EFTS

**Not offered in 2020**

This course will introduce a strategic planning framework based on whole systems thinking that allows organisations to understand the 'rules of the game' for long term success on a finite planet, use that understanding to develop an inspiring vision of what their company will look like when it is sustainable, then assess current realities against this vision and design a strategy to fill the gap.

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 664 Leading Resilient Enterprises**

10 Points 0.0833 EFTS

This course aims to equip students with research-based knowledge to understand and enhance organizational resilience. It will provide them with evidence-based best practices and tools to develop resilience in an organization. The course includes theory/concepts associated with resilience and also practical cases to translate the theory and concepts into action.

P: Subject to approval of the MBA Director  
 Domestic Fee: \$1,598 (2019)  
 International Fee: \$2,624 (2019)

**MBAD664-20X (C) 17 Aug 2020 - 11 Oct 2020***Special MBA fee also applies.***MBAD 665 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 666 Innovation in Business**

10 Points 0.0833 EFTS

**Not offered in 2020**

This course will provide you with a fundamental awareness and understanding of the role that innovation plays in the business, as well as the constructs of innovation that need to be understood. This will equip you with the understanding and skills to define, manage and apply the needed actions that will take innovation beyond an abstract concept. Innovation will provide you with the "what" that will be used in the "how" of your strategy so that action may actually lead to advantage.

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 667 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 669 Design Thinking**

10 Points 0.0833 EFTS

**Not offered in 2020**

The course encourages students to challenge traditional problem solving models and established ways of thinking to better understand stakeholders, reflect on real opportunities, test a number of potential solutions and be able to select the best ones. The purpose of Design Thinking is to enable students to become more effective at solving real world problems with better and faster results that are relevant in dynamic environments. The course uses evidence-based best practices and tools to approach and resolve multi-faceted problems and opportunities in organizations.

P: Subject to approval of the MBA Director

**MBAD 670 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director

**MBAD 671 Special Topic: International Strategy in Asia**

10 Points 0.0833 EFTS

**Not offered in 2020**

This course centres on a study tour of approximately one week in Asia, namely Vietnam. Students will have the opportunity to observe first-hand from companies and academics in Vietnam the character, opportunities and challenges in engaging in business in this emerging context.

P: Subject to approval of the MBA Director  
*Special MBA fee also applies.*

**MBAD 672 Leading Collaborative Partnerships**

10 Points 0.0833 EFTS

This course aims to equip students to lead and evaluate collaborative partnerships, which enhance the outcomes for the organisation / sector they serve. Through a combination of literature review, guided investigation, expert input and application to their own current work students will gain competence in initiating, sustaining and evaluating effective cross organisation / sector partnerships. The course includes theory/concepts associated with cultivating collective leadership beyond organisational and sectorial boundaries; network leadership skills to design and facilitate integrated social services and cross sector projects; and practical cases to translate the theory and concepts into action.

P: Subject to approval of the MBA Director

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD672-20T3 (C) 20 July 2020 - 15 Nov 2020***Special MBA fee also applies.***MBAD 673 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 674 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 675 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 677 Special Topic**

10 Points 0.0833 EFTS

**Not offered in 2020**

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 678 Special Topic**

10 Points 0.0833 EFTS

P: Subject to approval of the MBA Director

Domestic Fee: \$1,598 (2019)

International Fee: \$2,624 (2019)

**MBAD678-20A (C) Starts Anytime***Special MBA fee also applies.***MBAD 679 Business Research Methods**

10 Points 0.0833 EFTS

**Not offered in 2020**

This course covers all stages of empirical business research processes and methods, including conceptualisation, design and measurement, and collecting, analysing, interpreting and presenting data. The goal of the course is for you to acquire the abilities and understandings to design and critically assess business research as well as to design and carry out your own MBA project.

P: Subject to approval of the MBA Director

*Special MBA fee also applies.***MBAD 680 MBA Project (6 courses)**

60 Points 0.5000 EFTS

P: Subject to approval of the MBA Director

Domestic Fee: \$9,592 (2019)

International Fee: \$15,750 (2019)

**MBAD680-20A (C) Starts Anytime**

The MBA project shall normally be submitted no later than 30 April of the year in which a full-time student first enrolls in the project and 15 August of the year in which a part-time student first enrolls in the project. In special circumstances the Programme Director may approve a different submission date.

**MBAM 601 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.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM601-20T3 (C) 07 Sep 2020 - 29 Nov 2020***Special MBA fee also applies.***MBAM 602 Economic Uncertainty and Organisational Agility**

15 Points 0.1250 EFTS

This course will introduce you to a range of economic and change principles, which on application to everyday real life scenarios will help you gain insights to prepare for and drive organisational change. You will be able to use the tools of economics to understand why people do what they do - tools like supply and demand will help explain the behaviour of people, firms, governments, countries and markets. The course will also focus on externalities relating to geopolitics, markets, technologies with a view to assessing how (successful) businesses / organisations deal with risk, uncertainty and shocks. In doing so, the course will expose you to tools to evaluate agility in organisational strategies.

P: Subject to approval of the MBA Director.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM602-20T2 (C) 25 May 2020 - 16 Aug 2020***Special MBA fee also applies.***MBAM 603 Innovation Driven Customer Value**

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.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM603-20T1 (C) 10 Feb 2020 - 03 May 2020***Special MBA fee also applies.***MBAM 604 Data Informed Strategy**

15 Points 0.1250 EFTS

The Fourth Industrial Revolution, as is being dubbed across the globe today, will thrive on technology, automation and data. Most strategic decisions involve deciding to continue with status, quo, stop or do something new. Today, companies have access to large amounts of data. Organisations that know how to use data effectively perform better. We see this trend in even the most traditional industry sectors such as farming. This course will prepare participants to ask the right questions, be skilled at identifying what data to use and analysing for information and insights, that inform the strategic question being asked. Working with industry partners this course will provide insight into how executives can use data to have an impact on an organisation.

P: Subject to approval of the MBA Director.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM604-20T2 (C) 25 May 2020 - 16 Aug 2020***Special MBA fee also applies.***MBAM 605 Creating impact led enterprises**

15 Points 0.1250 EFTS

This course works through comprehensive insights on the conceptual and empirical issues that link organisational practice with the ability to sustain. Beyond creating customer and shareholder value, organisations are increasingly being viewed through the lens of social and environmental impacts. What are the links to CSR? How do organisations manage sustainability trade-offs? What role does technology play in the context of a sustainable enterprise? These are some questions that will drive the focus of this course.

P: Subject to approval of the MBA Director.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM605-20T1 (C) 10 Feb 2020 - 03 May 2020***Special MBA fee also applies.*

**MBAM 606 Societies in Smart Cities**

15 Points 0.1250 EFTS

The OECD in its Transformation for Public Value report suggest that cities are the first to react to transformational shifts that citizens go through. 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 harness and how can this inform organisational strategies? Societies in Smart Cities extends the deliberation of smart cities to comprehend how the related technological innovations create value and impact on society.

P: Subject to approval of the MBA Director.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM606-20T3 (C)** 07 Sep 2020 - 29 Nov 2020*Special MBA fee also applies.***MBAM 610 Agile and Innovation-driven Leadership**

15 Points 0.1250 EFTS

Contemporary leaders need competencies and mindsets for shaping organisational cultures that maximise ability, and are agile and highly responsive in order to overcome challenges, seize opportunities, and create new value. This requires fostering high engagement, promoting shared learning and innovation, and leveraging digital technology. The course covers the leadership perspectives required to achieve these dynamic factors, complemented by activities for personal growth as leaders. Experiential-based activities, coaching and feedback, and personal reflection will promote students' leadership development and self-awareness. The course promotes skills in critical thinking, self-awareness, mindfulness, interpersonal dynamics, and practising how to be reflective leaders. This course will be delivered in an ongoing series of activities across the duration of the MBA programme. The second year has a more individual focus, implementing insights in work settings with input to foster leadership development and personal growth.

P: Subject to approval of the MBA Director.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM610-20X (C)** 03 Feb 2020 - 29 Nov 2020*Special MBA fee also applies.***MBAM 620 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: Subject to approval of the MBA Director.

Domestic Fee: \$3,000 (2019)

International Fee: \$3,938 (2019)

**MBAM620-20X1 (C)****MBAM620-20X2 (C)***Special MBA fee also applies.***MBAM 680 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: Subject to approval of the MBA Director.

Domestic Fee: \$9,000 (2019)

International Fee: \$11,813 (2019)

**MBAM680-20A (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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

**MBIS 601 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.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBIS601-20T1 (C)** 03 Feb 2020 - 26 Apr 2020**MBIS 602 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.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBIS602-20T1 (C)** 03 Feb 2020 - 26 Apr 2020**MBIS 603 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.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBIS603-20T1 (C)** 03 Feb 2020 - 26 Apr 2020**MBIS 621 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.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBIS621-20T2 (C)** 18 May 2020 - 09 Aug 2020**MBIS 622 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.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBIS622-20T2 (C)** 18 May 2020 - 09 Aug 2020**MBIS 623 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.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBIS623-20T2 (C)** 18 May 2020 - 09 Aug 2020**MBIS 624 Data Analytics and Business Intelligence Systems in Organisations**

15 Points 0.1250 EFTS

This course covers key aspects related to business intelligence (BI) systems and technologies and their application in organisations. The course also covers topics in data warehousing, predictive analytics, data visualisation, data mining (including text and web mining), and emerging trends in BI.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBIS624-20T2 (C)** 18 May 2020 - 09 Aug 2020

**MBIS 673 Applied IS Project**

30 Points 0.2500 EFTS

This course focuses on identification and investigation of a real world problem (or opportunity) impacting individuals, organizations and/or the wider society. It provides an opportunity to develop and apply advanced analytical, theoretical and practically relevant business and information-systems related insight and competencies that can address the problem.

P: (i) MBAZ 604; (ii) 30-points from MBIS

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**MBIS673-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MBIS 680 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

Domestic Fee: \$3,653 (2019)

International Fee: \$10,313 (2019)

**MBIS680-20A (C) Starts Anytime****MBIS 691 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) 45 points from MBIS 621, MBIS 622, MBIS 623, MBIS 624; (2) Subject to the permission of the Programme Director.

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**MBIS691-20T3 (C) 31 Aug 2020 - 22 Nov 2020**

## Business Management

*Business Taught Masters Programme*

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**MBAZ 601 Managerial Accounting**

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.

P: Subject to the approval of the Programme Director

R: MBUS 611, MBAD 601

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ601-20T1 (C) 03 Feb 2020 - 26 Apr 2020****MBAZ601-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MBAZ 602 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.

P: Subject to the approval of the Programme Director

R: MBAD 604, MBUS 614

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ602-20T1 (C) 03 Feb 2020 - 26 Apr 2020****MBAZ602-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MBAZ 603 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.

P: Subject to the approval of the Programme Director

R: MBUS 621, MBAD 611

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ603-20T1 (C) 03 Feb 2020 - 26 Apr 2020****MBAZ603-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MBAZ 604 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.

P: Subject to the approval of the Programme Director

R: MBUS 642, MBAD 679

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ604-20T2 (C) 18 May 2020 - 09 Aug 2020****MBAZ 605 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.

P: Subject to the approval of the Programme Director

R: MBUS 634, MBAD 658

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ605-20T1 (C) 03 Feb 2020 - 26 Apr 2020****MBAZ605-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MBAZ 671 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 (MBUS 601) 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) MBUS 601; and (2) MBAZ 604

Domestic Fee: \$2,435 (2019)

International Fee: \$6,875 (2019)

**MBAZ671-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MBAZ 672 Evidence Based Human Resource Management**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: MBUS 603

R: MBAD 605

**MBAZ 673 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: 60 points from MBAZ, MBUS, MPAC, MBIS, MFIN.

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ673-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MBAZ 680 Research 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

Domestic Fee: \$3,653 (2019)

International Fee: \$10,313 (2019)

**MBAZ680-20A (C) Starts Anytime****MBAZ 681 Internship**

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

Domestic Fee: \$3,653 (2019)

International Fee: \$10,313 (2019)

**MBAZ681-20A (C) Starts Anytime**

## Cellular and Molecular Biology

### MBUS 601 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.

P: Subject to the approval of the Programme Director

R: MBUS 623, MBAD 606

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBUS601-20T1 (C) 03 Feb 2020 - 26 Apr 2020**

### MBUS 602 Leadership

15 Points 0.1250 EFTS

To provide an in-depth understanding of leadership theories and their application to practice.

P: Subject to the approval of the Programme Director

R: MBUS 613, MBAD 615, MBAD 642

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBUS602-20T2 (C) 18 May 2020 - 09 Aug 2020**

### MBUS 603 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.

P: Subject to the approval of the Programme Director

R: MBAD 605, MBUS 625, MBUS 615

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBUS603-20T2 (C) 18 May 2020 - 09 Aug 2020**

### MBUS 650 Business Strategy

15 Points 0.1250 EFTS

A critical analysis of how organisations formulate, implement and change business strategy. Explores the principles and practices of strategic planning and management.

P: Subject to the approval of the Programme Director

R: MBUS 624, MBAD 631, MBAD 632

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBUS650-20T3 (C) 31 Aug 2020 - 22 Nov 2020**

### MBUS 651 Business Development and Entrepreneurship

15 Points 0.1250 EFTS

A study of contemporary theory and practice in business development and entrepreneurship.

P: Subject to the approval of the Programme Director

R: MBUS 635, MBAD 654

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBUS651-20T2 (C) 18 May 2020 - 09 Aug 2020**

## Cellular and Molecular Biology

*Te Kura Pūtaiao Kōiora | 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

### CEMB 480 Research Project

30 Points 0.2500 EFTS

A written report on a research project approved by the course Co-ordinator. The report must be completed and presented to the Registrar by the due date, as directed by the course Co-ordinator, in the year in which the student presents the courses chosen from BIOL 430–432, BIOL 434, BIOL 437, BIOL 491.

P: Subject to approval of the Head of School.

EQ: CEMB 473

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**CEMB480-20W (C) Whole Year (S1 and S2)**

### CEMB 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**CEMB690-20A (C) Starts Anytime**

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

### CEMB 790 Cellular and Molecular Biology PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**CEMB790-20A (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.*

## Chemical and Process Engineering

*Department of Chemical and Process Engineering*

### ENCH 199 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

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENCH199-20W (C) Whole Year (S1 and S2)**

### ENCH 241 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.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH241-20S2 (C) Semester 2**

### ENCH 281 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)

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH281-20S2 (C) Semester 2**

### ENCH 291 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.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH291-20S1 (C) Semester 1**

### ENCH 292 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.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH292-20S2 (C) Semester 2**

### ENCH 293 Fluid Mechanics 1

15 Points 0.1250 EFTS

The main part of 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 is also an introduction to the SI system of units, dimensional analysis and scale-up.

P: Subject to approval of the Dean of Engineering and Forestry.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH293-20S1 (C) Semester 1**



**ENCH 295 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 ENGR 101 such as sketching, ethics and report writing.

P: Subject to the approval of the Dean of Engineering and Forestry.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH295-20W (C) Whole Year (S1 and S2)**

**ENCH 296 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.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH296-20S2 (C) Semester 2**

**ENCH 298 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

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH298-20S1 (C) Semester 1**

**ENCH 390 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 processes, including process optimisation and curve fitting, process modelling and applications, pinch analysis and sustainability assessment. It also includes a 1-day intensive course analysing why process engineers should engage with iwi and local communities, and some practical and effective guidelines on how to do this.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH390-20S1 (C) Semester 1**

**ENCH 391 Process Systems and Control**

15 Points 0.1250 EFTS

An introduction to process dynamics and process control technology.

P: ENCH 298 (from 2016)

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH391-20S2 (C) Semester 2**

**ENCH 392 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: ENCH 296, ENCH 241

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH392-20S1 (C) Semester 1**

**ENCH 393 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: ENCH 292, ENCH 293

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH393-20S1 (C) Semester 1**

**ENCH 394 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 1st Professional year and begins to explore 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 ENCH 295 to cover more quantitative analysis techniques and provides an introduction to materials engineering for chemical engineers.

P: ENCH 291

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH394-20S2 (C) Semester 2**

**ENCH 395 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: ENCH 295

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH395-20W (C) Whole Year (S1 and S2)**

**ENCH 396 Chemical Engineering Separations 1**

15 Points 0.1250 EFTS

Chemical engineering separation operations including distillation, evaporation, humidification/dehumidification, drying, gas absorption, filtration, centrifugation and crystallisation.

P: ENCH 292

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH396-20S1 (C) Semester 1**

**ENCH 475 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH475-20W (C) Whole Year (S1 and S2)**

**ENCH475-20S1 (C) Semester 1**

**ENCH475-20S2 (C) Semester 2**

*Limited entry. See limitation of entry regulations.*

**ENCH 482 Bioprocess Engineering 2**

15 Points 0.1250 EFTS

Bioseparations, process chromatography for therapeutic proteins. Design and operation of bioreactors.

P: ENGR 407

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCH482-20S1 (C) Semester 1**

**ENCH 483 Advanced Energy Processing Technologies and Systems**

15 Points 0.1250 EFTS

Processing technologies and systems for production of hydrogen, syngas, liquid fuel as well as heat and power from various energy resources including traditional fossil fuels and renewable resources (such as biomass); energy related environmental issues and analysis; energy system optimisation; energy related electrochemical systems.

P: ENGR 404

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH483-20S1 (C) Semester 1**

**ENCH 484 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 as well as practical guidance on the implementation of these tools to a variety of problems. The course is about 2/3 on numerical methods for simulation and 1/3 on computational fluid dynamics (CFD).

P: ENCH 391 Process Systems and Control

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCH484-20S1 (C) Semester 1**

**ENCH 486 Special Topic in Chemical and Process Engineering**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to the approval of the Director of Studies.

**ENCH 487 Special Topic in Chemical and Process Engineering**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to the approval of the Director of Studies.

**ENCH 494 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, ENCH 496 and ENCH 497

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENCH494-20S2 (C) Semester 2****ENCH 495 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

Domestic Fee: \$2,160 (2019)

International Fee: \$10,500 (2019)

**ENCH495-19SU2 (C) Summer (Nov 19)****ENCH495-20W (C) Whole Year (S1 and S2)****ENCH 496 Advanced Separations**

15 Points 0.1250 EFTS

Advanced topics in separation methods including: packed column distillation, evaporation, mass-transfer fundamentals in separations, advanced membrane separation, supercritical technology, sedimentation and centrifugation.

P: ENCH 396

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCH496-20S1 (C) Semester 1****ENCH 497 Process Management**

15 Points 0.1250 EFTS

Engineering economics and finance, project management, design and investment decisions, ethics, and safety in the process industry. The course loosely follows the life cycle of the financial and engineering management of a processing facility from initial planning through to full production.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCH497-20S1 (C) Semester 1****ENGR 401 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: ENME 304 or ENME 314, or ENCH 393, or ENCN 342

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENGR401-20S1 (C) Semester 1****ENGR 404 Renewable Energy Technologies and Management**

15 Points 0.1250 EFTS

This course explores various emerging technologies related to the needs for energy, including the supply of renewable energy. This includes topics such as combined heat and power systems, biomass and thermo-chemical processing, wind, geothermal and solar energy processes.

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: ENCH 291 or subject to approval of the Director of Studies

R: ENME 405, ENME 605

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR404-20S2 (C) Semester 2****ENGR 405 Industrial Pollution Control**

15 Points 0.1250 EFTS

This course aims to advance students' abilities in applying and evaluating the physico-chemical treatment processes for industrial wastewater pollution control, air pollution, and contaminated

groundwater remediation, as well as to expose the student to other less frequent pollution sources, such as noise pollution.

P: Subject to approval of the Director of Studies

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR405-20S1 (C) Semester 1****ENGR 407 Bioprocess Engineering 1**

15 Points 0.1250 EFTS

Engineering biochemistry covering enzyme kinetics, metabolism and applied molecular biology.

P: ENCH 281 or subject to approval of the Director of Studies

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR407-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**ENCH 602 Computational Fluid Dynamics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Theory of fluid flow equations, including turbulence, methods used to discretise and solve the equations and including experience with CFD packages.

P: Subject to approval of the Head of Department

R: ENCH 401, ENGR 401

**ENCH 603 Physical, Chemical and Analytical Techniques**

15 Points 0.1250 EFTS

**Not offered in 2020**

Principles and practice of selected measurement and analysis techniques normally encountered in the chemical engineering research environment.

P: Subject to approval of the Head of Department.

**ENCH 606 Advanced Process Simulation**

15 Points 0.1250 EFTS

**Not offered in 2020**

Advanced concepts in both steady state and dynamic process simulation, including mathematical techniques, choosing appropriate thermodynamic models and optimisation. Various simulation packages will be used.

P: Subject to approval of the Head of Department.

**ENCH 607 Modelling and Numerical Methods**

15 Points 0.1250 EFTS

**Not offered in 2020**

Modelling of lumped and distributed parameter systems as differential-algebraic and partial-differential systems. Includes numerical techniques for the solution of systems of algebraic equations, odes, daes and pdes.

P: Subject to approval of the Head of Department.

**ENCH 690 Chemical and Process Engineering M.E. Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENCH690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***ENCH 790 Chemical and Process Engineering PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENCH790-20A (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.*



# 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](http://www.canterbury.ac.nz/courses) from 1 February 2010.

## CHEM 111 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) CHEM 114, or at least B Grade in BRDG 023.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM111-20S1 (C) Semester 1**

**CHEM111-20S2 (C) Semester 2**

## CHEM 112 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) CHEM 114, or at least B Grade in BRDG 023.

R: BCHM 112

EQ: BCHM 112

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM112-20S2 (C) Semester 2**

## CHEM 114 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM114-20S1 (C) Semester 1**

## CHEM 211 Molecules

15 Points 0.1250 EFTS

Atoms and covalent molecules; molecular spectroscopy and characterisation; periodicity and trends: the modern periodic table.

P: CHEM 111

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM211-20S1 (C) Semester 1**

## CHEM 212 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: CHEM 112 or BCHM 112 or ENCH 241

R: BCHM 212

EQ: BCHM 212

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM212-20S1 (C) Semester 1**

## CHEM 242 Organic Chemistry

15 Points 0.1250 EFTS

Reaction mechanisms; synthesis and biosynthesis of organic compounds.

P: CHEM 212 or BCHM 212

R: BCHM 206

EQ: BCHM 206

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM242-20S2 (C) Semester 2**

## CHEM 243 Molecules and Reactions

15 Points 0.1250 EFTS

**Not offered in 2020**

The science of the very small: quantum theory; molecules to materials: statistical mechanics; molecular mixing; thermodynamics and kinetics.

P: Either (1) CHEM 211, or (2) CHEM 111 and PHYS 102

## CHEM 245 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

Selected lectures, tutorials and assignments from courses relevant to chemistry.

P: CHEM 211 and one of CHEM 241 and 243.

R: Restricted against CHEM 251 and 255, and cannot be taken if both of CHEM 241 and 243 have been credited.

## CHEM 246 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: CHEM 212 or BCHM 212

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM246-20S2 (C) Semester 2**

## CHEM 251 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: CHEM 211 or (CHEM 111 and PHYS 102)

R: CHEM 241 and CHEM 245

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM251-20S2 (C) Semester 2**

## CHEM 255 Contemporary Chemistry: Technology, Environment, and Health

15 Points 0.1250 EFTS

This course focuses on the interface between chemical technology, the environment and health. Case-studies examine contemporary challenges of optimising the benefits of chemical technology, including such topics as "green chemistry", technology spin-offs and environmental impact.

P: 30 points from CHEM 111, CHEM 112, BCHM 112, CHEM 211 and CHEM 212.

R: CHEM 245

RP: CHEM 281

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM255-20S2 (C) Semester 2**

## CHEM 281 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: CHEM 111 or CHEM 112 (BCHM 112)

R: BCHM 281

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM281-20S1 (C) Semester 1**

## CHEM 327 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM327-20S1 (C) Semester 1**

**CHEM327-20S2 (C) Semester 2**

## Chemistry

### CHEM 328 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM328-20S1 (C) Semester 1

CHEM328-20S2 (C) Semester 2

### CHEM 329 Special Topic: 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. This course may not be used to satisfy the requirements for a Chemistry major, nor the requirements for entry to postgraduate study in Chemistry.

P: 45 points from CHEM 211, CHEM 212 (BCHM 212), CHEM 281 (BCHM 281), CHEM 251, CHEM 242 (BCHM 206), CHEM 255. Entry subject to a supervisor approved by the Head of School, being available.

Domestic Fee: \$883 (2019)

International Fee: \$4,000 (2019)

CHEM329-19SU2 (C) Summer (Nov 19)

CHEM329-20SU1 (C) Summer (Jan 20)

CHEM329-20S1 (C) Semester 1

CHEM329-20S2 (C) Semester 2

### CHEM 333 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: CHEM 251 or CHEM 243

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM333-20S2 (C) Semester 2

### CHEM 335 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: CHEM 251 or CHEM 241

R: CHEM 321

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM335-20S2 (C) Semester 2

### CHEM 336 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: (CHEM 242 or BCHM 206) and (CHEM 251 or CHEM 241)

R: CHEM 322

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM336-20S1 (C) Semester 1

### CHEM 337 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: CHEM 242 or BCHM 206

R: CHEM 322

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM337-20S2 (C) Semester 2

### CHEM 338 Chemical Biology

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: CHEM 212 or BCHM 212

R: BCHM 338, CHEM 325, BCHM 302

RP: CHEM 242 or BCHM 206, and/or BCHM 202 (BIOL 231)

EQ: BCHM 338

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM338-20S1 (C) Semester 1

### CHEM 339 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: CHEM 212 or BCHM 212.

R: BCHM 339, CHEM 325, BCHM 302

RP: CHEM 242 or BCHM 206

EQ: BCHM 339

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM339-20S2 (C) Semester 2

### CHEM 340 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: 30 points from CHEM 281; BCHM 281; CHEM 211; CHEM 255; WATR 201

R: CHEM 324

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM340-20S1 (C) Semester 1

### CHEM 342 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: CHEM 242 or BCHM 206

R: CHEM 322, CHEM 362

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM342-20S1 (C) Semester 1

### CHEM 343 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: CHEM 251 or CHEM 243

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

CHEM343-20S1 (C) Semester 1

### CHEM 346 Contemporary Medicinal Chemistry

15 Points 0.1250 EFTS

Not offered in 2020

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 Rongoā, and modes of action.

P: CHEM 246.

RP: CHEM 212, CHEM 242

### CHEM 347 Drug Discovery and Development

15 Points 0.1250 EFTS

Not offered in 2020

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: CHEM 342, CHEM 346.

RP: CHEM 212, CHEM 242

**CHEM 381 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM381-20S1 (C) Semester 1****CHEM 382 Instrumental Methods**

15 Points 0.1250 EFTS

Applications of modern instrumental techniques to problems in fundamental and analytical chemistry. This laboratory course includes a series of set experiments and project work. Emphasis is on data analysis, communication skills and self-directed investigations.

P: (CHEM 281 or BCHM 281) and (CHEM 211 or CHEM 251 or (CHEM 111 and CHEM 255)).

RP: 30 points from CHEM 211 - CHEM 255.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**CHEM382-20S2 (C) Semester 2****Tāura | Postgraduate***Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***CHEM 415 Special Topic**

15 Points 0.1250 EFTS

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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM415-20W (C) Whole Year (S1 and S2)****CHEM 417 Special Topic**

15 Points 0.1250 EFTS

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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM417-20S1 (C) Semester 1****CHEM 421 Advanced Topics in Chemistry I**

30 Points 0.2500 EFTS

**Not offered in 2020**

A series of modules 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; critical analysis and in-depth studies in modern chemical research. The learning outcomes of this course will enable students to develop a range of abilities that are relevant to research in the chemical sciences, including written and oral communication skills. Students will undertake studies in a specific specialised area of chemistry that will allow them to develop an in-depth understanding of an area of contemporary research. Enrolment in this course is limited to those Honours students concurrently enrolled in the CHEM 480 Research Project (or a Chemistry Department based BCHM 480 Research Project); or MSc (Part I) or PGDipSci students based within the Chemistry Department during their programme of study. This is a required course for all students enrolled in these degree programmes.

P: Subject to the approval of the Head of Department

**CHEM 422 Advanced Topics in Chemistry II**

30 Points 0.2500 EFTS

**Not offered in 2020**

A series of modules of advanced study in contemporary research areas in the chemical sciences, such as biologically-active organic compounds; toxicology; biochemical processes; enzyme and protein chemistry; molecular recognition; bioinorganic chemistry; organic synthetic methodology; nanotechnology and materials chemistry; inorganic chemistry and catalysis; spectroscopic and structural techniques and analysis; supramolecular and environmental chemistry; polymer chemistry; computational and theoretical chemistry.

P: Subject to the approval of the Head of Department

**CHEM 423 Advanced Topics in Chemistry III**

30 Points 0.2500 EFTS

**Not offered in 2020**

A series of modules of advanced study in contemporary research areas in the chemical sciences, such as biologically-active organic compounds; toxicology; biochemical processes; enzyme and protein chemistry; molecular recognition; bioinorganic chemistry; organic synthetic methodology; nanotechnology and materials chemistry; inorganic chemistry and catalysis; spectroscopic and structural techniques and analysis; supramolecular and environmental chemistry; polymer chemistry; computational and theoretical chemistry.

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

**CHEM 424 Advanced topics in chemistry IV**

30 Points 0.2500 EFTS

**Not offered in 2020**

A series of modules of advanced study in contemporary research areas in the chemical sciences, such as biologically-active organic compounds; toxicology; biochemical processes; enzyme and protein chemistry; molecular recognition; bioinorganic chemistry; organic synthetic methodology; nanotechnology and materials chemistry; inorganic chemistry and catalysis; spectroscopic and structural techniques and analysis; supramolecular and environmental chemistry; polymer chemistry; computational and theoretical chemistry.

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

**CHEM 430 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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM430-20S1 (C) Semester 1****CHEM 431 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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM431-20S2 (C) Semester 2****CHEM 432 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: CHEM 337 or CHEM 322

RP: CHEM 337 or CHEM 322

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM432-20S1 (C) Semester 1****CHEM 433 Medicinal Chemistry and Drug Design**

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 will introduce you to the basic concepts of medicinal chemistry. Starting with an overview of medicinal chemistry from disease to practical real-world treatment applications, the course will then focus on four of the early stages of the drug development process; molecular basis for disease, target identification, lead development, and in-vitro inhibitor testing techniques. Self-directed learning topics will reinforce the concepts presented and allow you to extend your understanding into the later stages of the drug development process. Specialist guest seminars will also introduce you to some of these later stage considerations around animal testing, toxicology, clinical trials, regulatory requirements and environmental considerations. The four core topics covered by formal teaching in this course are: - Molecular mechanisms of disease - Drug target identification and validation - Development of lead compounds and drug candidates - In-vitro drug/inhibitor testing techniques

P: CHEM 337 or CHEM 322 or BCHM 338

RP: CHEM 337 or CHEM 322 or BCHM 338

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM433-20S2 (C) Semester 2****CHEM 434 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 CHEM 333 and CHEM 343 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: CHEM 333 or CHEM 343

RP: CHEM 333 or CHEM 343

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM434-20S1 (C) Semester 1**

**CHEM 435 Advanced Materials**

15 Points 0.1250 EFTS

This course is about the fabrication, characterisation and application of advanced materials. Advanced materials cover a wide range of disciplines and topics, and this course will focus on the fabrication, characterisation and applications of materials in chemistry and materials science, with hands-on materials synthesis and characterisation to reinforce the theory.

P: CHEM 336 or CHEM 321

RP: CHEM 336 or CHEM 321

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM435-20S2 (C) Semester 2****CHEM 436 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: CHEM 335 or CHEM 321

RP: CHEM 335 or CHEM 321

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM436-20S1 (C) Semester 1****CHEM 437 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: CHEM 336 or CHEM 321

RP: CHEM 336 or CHEM 321

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**CHEM437-20S2 (C) Semester 2****CHEM 473 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**CHEM473-20S1 (C) Semester 1****CHEM473-20W (C) Whole Year (S1 and S2)****CHEM473-20S2 (C) Semester 2****CHEM 474 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**CHEM474-20S1 (C) Semester 1****CHEM474-20W (C) Whole Year (S1 and S2)****CHEM474-20S2 (C) Semester 2****CHEM 480 Research Project**

30 Points 0.2500 EFTS

The CHEM 480 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 CHEM 480 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 CHEM 480 Research Project provides excellent preparation for students intending to enrol in further postgraduate research. Students enrolling in this course must also

enrol in course CHEM 421 Advanced Topics in Chemistry 1.

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**CHEM480-20S1 (C) Semester 1****CHEM480-20W (C) Whole Year (S1 and S2)****CHEM480-20S2 (C) Semester 2****CHEM 690 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**CHEM690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***CHEM 790 Chemistry PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**CHEM790-20A (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.*

## Child and Family Psychology

*Te Kura Mātai Hauora | School of Health Sciences*

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

**CFPY 501 Models of Practice in Child and Family Psychology**

36 Points 0.3000 EFTS

This course provides initial professional scholarship and training in Child and Family Psychology, with particular focus on models of practice. Using the Scientist-Practitioner model as a reference point, two themes are emphasised: "What is a Child and Family Psychologist?"; and "the research-practice nexus".

P: (i) (i) Enrolled in the Master of Arts in Child and Family Psychology, or Master of Science in Child and Family Psychology or an approved Master of Education or their equivalents. (ii) CFPY 601, CFPY 602, CFPY 603, CFPY 604 and HLTH 472 (iii) An approved 15-point, 0.125 EFTS postgraduate or honours-level research methods course (2) Subject to approval of the Head of School of Health Sciences.

C: CFPY 502

R: EDUC 623, HLTH 670, EDUC 624, HLTH 671

EQ: EDUC 623, HLTH 670

Domestic Fee: \$2,580 (2019)

International Fee: \$10,980 (2019)

**CFPY501-19SU2 (C) Summer (Nov 19)***Limited entry. See limitation of entry regulations.***CFPY 502 Professional Skills and Practicum**

39 Points 0.3250 EFTS

This course contains the Child and Family Psychology Practicum and an academic programme which informs it. This includes practical training in skills specific to practice as a registered psychologist, the practicum itself and clinical work associated with it. In addition it contains academic work relevant to the programme such as interpretation of cognitive assessments, taxonomy for psychopathology, and clinical reasoning (formulation). In addition Problem-Based Learning exercises are an integral part of this course.

P: (i) (i) Enrolled in the Master of Arts in Child and Family Psychology, or Master of Science in Child and Family Psychology or an approved Master of Education or their equivalents. (ii) CFPY 601, CFPY 602, CFPY 603, CFPY 604 and HLTH 472 (iii) An approved 15-point, 0.125 EFTS postgraduate or honours-level research methods course. (2) Subject to approval of the Head of the School of Health Sciences. (3) Selection will be based on academic record, personal suitability and an interview. The closing date for applications is normally October 1st in the year prior to enrolment.

R: EDUC 623, HLTH 670, EDUC 624, HLTH 671

EQ: EDUC 624, HLTH 671

Domestic Fee: \$2,851 (2019)

International Fee: \$12,480 (2019)

**CFPY502-20W (C) Whole Year (S1 and S2)***Limited entry. See limitation of entry regulations.***CFPY 503 Advanced Academic Development**

30 Points 0.2500 EFTS

Further academic study relevant to the area of Child and Family Psychology

P: (i) Subject to the approval of the Head of the School of Health Sciences, (2) EDUC 623 and

EDUC 624 or HLTH 670 and HLTH 671 or CFPY 501 and CFPY 502  
 R: EDUC 501, HLTH 501  
 EQ: EDUC 501, HLTH 501  
 Domestic Fee: \$2,193 (2019)  
 International Fee: \$9,600 (2019)  
**CFPY503-20FY (C) Full Year (February to February)**  
*Limited entry. See limitation of entry regulations.*

**CFPY 504 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) EDUC 623 and EDUC 624 or HLTH 670 and HLTH 671 or CFPY 501 and CFPY 502  
 R: EDUC 502, HLTH 502  
 EQ: EDUC 502, HLTH 502  
 Domestic Fee: \$4,386 (2019)  
 International Fee: \$19,200 (2019)  
**CFPY504-20FY (C) Full Year (February to February)**  
*Limited entry. See limitation of entry regulations.*

**CFPY 505 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) EDUC 623 and EDUC 624 or HLTH 670 and HLTH 671 or CFPY 501 and CFPY 502  
 R: EDUC 503, HLTH 503  
 EQ: EDUC 503, HLTH 503  
 Domestic Fee: \$2,193 (2019)  
 International Fee: \$9,600 (2019)  
**CFPY505-20FY (C) Full Year (February to February)**  
*Limited entry. See limitation of entry regulations.*

**CFPY 601 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: EDEM 661, EDUC 412  
 Domestic Fee: \$1,884 (2019)  
 International Fee: \$7,675 (2019)  
**CFPY601-20W (C) Whole Year (S1 and S2)**

**CFPY 602 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: EDEM 662, EDUC 416, PSYC 413  
 Domestic Fee: \$1,884 (2019)  
 International Fee: \$7,675 (2019)  
**CFPY602-20W (C) Whole Year (S1 and S2)**

**CFPY 603 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: EDEM 663, EDUC 421  
 Domestic Fee: \$1,884 (2019)  
 International Fee: \$7,675 (2019)  
**CFPY603-20W (C) Whole Year (S1 and S2)**

**CFPY 690 MA Child and Family Psychology Thesis**  
 120 Points 1.0000 EFTS  
 P: (i) CFPY 601-604, HLTH 472 and one of EDEM 695-697, or HLTH 462, or PSYC 460 or PSYC 461. (ii) Subject to approval of the Head of School of Health Sciences  
 Domestic Fee: \$8,410 (2019)  
 International Fee: \$38,400 (2019)  
**CFPY690-20A (C) Starts Anytime**  
*Part-time enrolment (0.65 EFTS) is available on approval.*

**CFPY 695 MSc Child and Family Psychology Thesis**  
 120 Points 1.0000 EFTS  
 P: (i) CFPY 601-604, HLTH 472 and one of EDEM 695-697, or HLTH 462, or PSYC 460 or PSYC 461. (ii) Subject to approval of the Head of School of Health Sciences  
 Domestic Fee: \$8,410 (2019)  
 International Fee: \$38,400 (2019)  
**CFPY695-20A (C) Starts Anytime**

## Chinese

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

**CHIN 115 Introduction to Business Chinese**  
 15 Points 0.1250 EFTS  
**Not offered in 2020**  
 This introductory level Chinese language course focuses on the development of basic Chinese language skills that are particularly relevant for business functions. No prior knowledge of Chinese language is required. Students who are literate in Chinese and/or fluent speakers of Mandarin 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.

**CHIN 151 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: CHIN 101. 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.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**CHIN151-20S1 (C) Semester 1**

**CHIN 152 Chinese Language 1-B**  
 15 Points 0.1250 EFTS  
 Following CHIN 151 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: CHIN 151 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: CHIN 101, CHIN 105. 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 CHIN 151 or a placement test.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**CHIN152-20S2 (C) Semester 2**

**CHIN 155 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.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**CHIN155-20S2 (C) Semester 2**



**CHIN 206 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. CHIN 206 and CINE 215 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: CINE 215, CHIN 306, CULT 334

EQ: CINE 215 and CHIN 306

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CHIN206-20S1 (C) Semester 1**

**CHIN 211 Study Chinese in China Summer Programme 1**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course comprises a study trip to China, where the student will take Chinese language lessons as well as cultural lessons and complete required course assessment at the approved university in China. There will be an orientation week on UC campus before the study trip and a week for final examinations on UC campus after the trip. The course is intended for students who have completed CHIN 152.

P: At least B- in CHIN 152 and subject to approval of the Programme Director.

**CHIN 212 Study Chinese in China Mid-year Programme**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course comprises a study trip to China, where the student will take Chinese language lessons as well as cultural lessons and complete required course assessment at the approved university in China. There will be an orientation week on UC campus before the study trip and a week for final examinations on UC campus after the trip. The course is intended for students who have completed CHIN 152.

P: At least B- in CHIN 152 and subject to approval of the Programme Director.

*Note: This course takes place during the period designated as the midyear study and exam period. Students who have exams for other courses scheduled during this period must make application to the Supervisor of Examinations to have their examinations conducted in China. Such applications normally carry a fee of \$105.*

**CHIN 251 Chinese Language 2-A**

15 Points 0.1250 EFTS

This course, following CHIN 152 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: CHIN 152 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 CHIN 251.

R: CHIN 201. 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 CHIN 251.

RP: This course is designed for students who have completed CHIN 152 or equivalent.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CHIN251-20S1 (C) Semester 1**

**CHIN 252 Chinese Language 2-B**

15 Points 0.1250 EFTS

This course, following CHIN 251 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: CHIN 251 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 CHIN 252.

R: CHIN 201. 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 CHIN 252.

RP: This course is designed for students who have completed CHIN 251 or equivalent.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CHIN252-20S2 (C) Semester 2**

**CHIN 306 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: CINE 215, CHIN 206 and CULT 334

EQ: CULT 334

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CHIN306-20S1 (C) Semester 1**

**CHIN 311 Study Chinese in China Summer Programme 2**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course comprises a study trip to China, where the student will take Chinese language lessons as well as cultural lessons and complete required course assessment at the approved university in China. There will be an orientation week on UC campus before the study trip and a week for final examinations on UC campus after the trip. The course is intended for students who have completed CHIN 252.

P: At least B- in CHIN 252 or equivalent and subject to approval of the Programme Director.

**CHIN 317 Independent Course of Study: Advanced Chinese Language Acquisition**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

R: CHIN 401

**CHIN 351 Chinese Language 3-A**

30 Points 0.2500 EFTS

This course, following CHIN 252 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: CHIN 252 or placement test.

R: CHIN 301. 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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CHIN351-20S1 (C) Semester 1**

**CHIN 352 Chinese Language 3-B**

30 Points 0.2500 EFTS

This course, following CHIN 351 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: CHIN 351 or placement test.

R: CHIN 301. 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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CHIN352-20S2 (C) Semester 2**

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime**

**PACE395-20S1 (C) Semester 1**

**PACE395-20S2 (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.*

**CHIN 415 Specialised Chinese Translation**

30 Points 0.2500 EFTS

In connection with LANC 402, 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CHIN415-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**CHIN 401 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CHIN401-20S2 (C) Semester 2****CHIN 402 Classical Chinese Language**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course introduces some basic knowledge of classical Chinese, its vocabulary, grammar and stylistic features, through the study of some elementary classical Chinese texts. Emphasis will be on reading comprehension and translation.

P: Subject to approval of the Programme Director.

**CHIN 403 Chinese Language and Society**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course investigates issues relating to Chinese language and society. Topics including language policy and planning, the relationship between language and identity, and bilingualism/multilingualism, will be studied under the modules of history and sociolinguistics of Modern Standard Chinese, minority languages in China, and Chinese as a community language outside China. As well as providing an overview of the complex sociolinguistic situation in China, the course aims to provide an understanding of some important sociolinguistic concepts and theories and their application in the study of Chinese sociolinguistics.

P: Subject to approval of the Programme Director.

**CHIN 408 Language and Politics in Modern China**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines the Maoist attempt to manipulate language to control thought and remake society between 1949 and 1976, and subsequent changes in the relationship between language, politics and society.

P: Subject to approval of the Programme Director.

**CHIN 409 A Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

An alternative appropriate topic in Chinese studies may be arranged after discussion between the student and teaching staff.

P: Subject to approval of the Programme Director.

**CHIN 410 A Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

An alternative appropriate topic in Chinese studies may be arranged after discussion between the student and teaching staff.

P: Subject to approval of the Programme Director.

**CHIN 412 Independent Course of Study: Advanced Chinese Language Acquisition**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

R: CHIN 401

**CHIN 480 Research Essay**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 Director.

**CHIN 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**CHIN690-20A (C) Starts Anytime**

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

**LANC 401 In Other Words What? Theory and Practice of Translation**

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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**LANC401-20S1 (C) Semester 1****CHIN 790 Chinese PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**CHIN790-20A (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.

**Mātai Kiriata | Cinema Studies***Te Kura Kete Aronui | School of Humanities and Creative Arts***CINE 101 Film Analysis In Focus**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to the fundamental principles of film form and style. Each class focuses upon a specific filmmaking technique in order to analyse its cinematic function and effect.

**CINE 102 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: TAFS 102

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE102-20S1 (C) Semester 1****CINE 104 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE104-20S2 (C) Semester 2**

**CINE 201 Hollywood and Genre**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: CINE 101 and CINE 102

**CINE 202 Film and Theory**

15 Points 0.1250 EFTS

The class sets the foundations for a working knowledge of the major debates that have informed Cinema Studies. Students will gain the necessary tools to use and understand the language of film theory and criticism.

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

RP: CINE 101 and CINE 102

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE202-20S2 (C) Semester 2****CINE 203 Coming of Age in Global Cinema**

15 Points 0.1250 EFTS

The coming-of-age experience is familiar to all social classes and cultures. Stories of youth after childhood are compellingly represented in films across the globe. In this course, we will examine the representation of adolescence within an international context, focusing primarily on the experience of youth beyond dominant Hollywood. We will closely analyse those films from across the globe that complicate our understanding of adolescent identity by acknowledging its intersection with other kinds of identification - in particular racial, class, national, and that of sexual orientation.

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: CINE 303, CULT 215

RP: CINE 101, CINE 102, CINE 104

EQ: CINE 303, CULT 215

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE203-20S1 (C) Semester 1****CINE 204 Film on the Faultline**

15 Points 0.1250 EFTS

**Not offered in 2020**

This class treats the earthquake as an event that radically transforms our understanding of the limits and possibilities of cinema, as well as of life itself. Students will explore how, in one way or another, the films in the course unsettle the stable categories that govern our political, ethical, social and psychological position as regards self and other in the wake of a major disaster like an earthquake.

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

R: CINE 221, CINE 320, CINE 304

RP: CINE 101, CINE 102, CINE 104

**CINE 210 Creative Writing for Screen**

15 Points 0.1250 EFTS

The objective of the course is to combine the development of students' creative writing with the practical skills and dramaturgic techniques of writing for film.

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: ENGL 234, ENGL 238

EQ: ENGL 238

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE210-20SU1 (C) Summer (Jan 20)**

Limited entry. See limitation of entry regulations.

**CINE 213 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 TREQ, or any 60 points at 100 level from the Schedule V of the BA.

R: MAOR 268

EQ: MAOR 268

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE213-20S2 (C) Semester 2****CINE 214 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: EULC 204, EULC 304, EURA 204, EURA 304, ENGL 305, RUSS 215, RUSS 216

EQ: EURA 204

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE214-20S2 (C) Semester 2****CINE 215 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. CHIN 206 and CINE 215 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: CHIN 206, CHIN 306

EQ: CHIN 206

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CINE215-20S1 (C) Semester 1****CINE 222 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

**CINE 223 Cinematic Sin and Sensuality**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: CULT 214

RP: CINE 101, CINE 102, CINE 104

EQ: CULT 214

**CINE 301 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: CULT 321

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CINE301-20S2 (C) Semester 2****CINE 302 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: CULT 322

EQ: CULT 322

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CINE302-20S1 (C) Semester 1****CINE 304 Film on the Faultline**

30 Points 0.2500 EFTS

**Not offered in 2020**

This class treats the earthquake as an event that radically transforms our understanding of the limits and possibilities of cinema, as well as of life itself. Students will explore how, in one

way or another, the films in the course unsettle the stable categories that govern our political, ethical, social and psychological position as regards self and other in the wake of a major disaster like an earthquake.

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

R: CINE 221, CINE 320, CINE 204

RP: CINE 201, CINE 202, CINE 203

### CINE 321 Special Topic

30 Points

0.2500 EFTS

Not offered in 2020

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

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PACE395-20A (C) Starts Anytime

PACE395-20S1 (C) Semester 1

PACE395-20S2 (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.

## Civil Engineering

Department of Civil and Natural Resources Engineering

### ENCI 199 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.

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

ENCI199-20A (C) Starts Anytime

ENCI199-20W (C) Whole Year (S1 and S2)

### ENCN 201 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.

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

ENCN201-20A (C) Starts Anytime

### ENCN 213 Design Studio 1

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: ENCI 211

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCN213-20S2 (C) Semester 2

### ENCN 221 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

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCN221-20S1 (C) Semester 1

### ENCN 231 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: ENCI 230, ENCI 234

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCN231-20S1 (C) Semester 1

### ENCN 242 Fluid Mechanics and Hydrology

15 Points

0.1250 EFTS

Fluid Properties. Hydrostatics. Mass, energy and momentum fluxes. Applications to hydraulic systems. Water resources and global climates. Stream and groundwater flow.

P: Subject to approval of the Dean of Engineering and Forestry

R: ENCI 241

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCN242-20S2 (C) Semester 2

### ENCN 253 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: ENCI 252, ENCI 271

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCN253-20S2 (C) Semester 2

### ENCN 261 Transport and Surveying

15 Points

0.1250 EFTS

Introduction to transportation engineering. Geometric design of roads. Surveying fundamentals. Surveying camp.

P: Subject to approval of the Dean of Engineering and Forestry

R: ENCI 262

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCN261-20S1 (C) Semester 1

### ENCN 281 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; air pollution.

P: Subject to approval of the Dean of Engineering and Forestry

R: ENNR 203, ENCI 383

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCN281-20S2 (C) Semester 2

### ENCI 335 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: ENCN 231, EMTH 210

R: ENCI 334

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCI335-20S1 (C) Semester 1

### ENCI 336 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: ENCN 213, ENCN 221, ENCN 231

R: ENCI 332, ENCI 333

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENCI336-20S2 (C) Semester 2

**ENCN 301 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: ENCN 201

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENCN301-20A (C) Starts Anytime****ENCN 304 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: EMTH 210

C: ENCN 305

R: ENCI 302

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN304-20S1 (C) Semester 1****ENCN 305 Programming, Statistics and Optimization**

15 Points 0.1250 EFTS

Computer programming. Descriptive statistics. Monte Carlo and Bootstrapping methods. Design of experiments. Linear regression and generalized linear modelling. Optimization and linear programming.

P: EMTH 210

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN305-20S1 (C) Semester 1****ENCN 342 Fluid Mechanics and Hydraulics**

15 Points 0.1250 EFTS

Open channel flow; pipe networks; Navier-Stokes equations; scale and dimensional analysis; inviscid flow; boundary layers; turbulent flow; lift and drag.

P: ENCN 242, EMTH 210

R: ENCI 341

EQ: ENCN 342

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN342-20S2 (C) Semester 2****ENCN 353 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: ENCN 253

R: ENCI 351

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN353-20S1 (C) Semester 1****ENCN 371 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.

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

R: ENCI 363, ENCI 403

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN371-20S2 (C) Semester 2****ENCN 375 Sustainable Engineering for a Changing Climate**

15 Points 0.1250 EFTS

Engineering within planetary boundaries. Social, cultural, and economic factors. Risk and systems. Engineering ethics. Case studies of mitigation and adaptation options.

P: ENCN 201 (for basics of engineering writing)

R: ENCN 470

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN375-20S2 (C) Semester 2****ENCI 413 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261,

ENCN 281, ENCN 301, ENCN 371, ENCN 375

R: ENCI 313, ENNR 313

EQ: ENNR 413

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENCI413-20S2 (C) Semester 2****ENCI 436 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261,

ENCN 281, ENCI 335, ENCI 336

R: ENCI 425, ENCI 426, ENCI 427

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENCI436-20S1 (C) Semester 1****ENCI 437 Structural Analysis and Systems 2**

15 Points 0.1250 EFTS

This course covers advanced topics on discrete linear and nonlinear models of structures, and matrix structural analysis techniques for simulating deformations and internal forces induced in structures under the action of static and dynamic loads. The course develops students' knowledge and skills in analysis methods used by technical experts and researchers, and provides foundational knowledge in Finite Element Analysis and Nonlinear Structural Analysis.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261,

ENCN 281, ENCI 335, ENCI 336

R: ENCI 423

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI437-20S1 (C) Semester 1****ENCI 438 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261,

ENCN 281, ENCI 335, ENCI 336

R: ENCI 429

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI438-20S1 (C) Semester 1****ENCI 445 Environmental Fluid Mechanics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Description and modelling of turbulence. Near and far field mixing behaviour. Dispersion in rivers, jets, plumes. Outfall design. Introduction to wave theory, including wave dispersion and forces.

P: ENCI 313 or ENNR 313, ENCN 342, ENCN 304

**ENCI 475 Independent Course of Study**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**ENCI 496 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020****ENCI 498 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020****ENCN 401 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENNR 451

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN401-20S1 (C)** Semester 1

### ENCN 412 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENCI 412

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN412-20S1 (C)** Semester 1

### ENCN 415 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENCI 415

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN415-20S1 (C)** Semester 1

### ENCN 444 Water Infrastructure and Design

15 Points 0.1250 EFTS

**Not offered in 2020**

Hydraulic design and modelling of water infrastructure including channels, hydraulic structures, pipe networks, and wells.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 342, ENCN 304

R: ENCI 444, ENNR 404, ENNR 407

### ENCN 445 Environmental Fluid Mechanics

15 Points 0.1250 EFTS

Description and modelling of turbulence. Near and far field mixing behaviour. Dispersion in rivers, jets, plumes. Outfall design. Introduction to wave theory, including wave dispersion and forces.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 342, ENCN 304

R: ENCI 445

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN445-20S1 (C)** Semester 1

### ENCN 452 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 353

R: ENCI 452

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN452-20S1 (C)** Semester 1

### ENCN 454 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 353

R: ENCI 620

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN454-20S1 (C)** Semester 1

### ENCN 470 Professional Engineering Development

15 Points 0.1250 EFTS

**Not offered in 2020**

Professional issues in Civil and Natural Resources Engineering, Society and environment, ethics, communication skills, historical developments, future engineering issues, and system thinking.

P: ENCN 301 (in 2014 and beyond)

R: ENCI 403

### ENCN 481 Environmental Engineering Design

15 Points 0.1250 EFTS

Project-based design for treatment of contaminated media. Could include treatment of drinking water, wastewaters, landfill design, or remediation of contaminated soils. Laboratories, field trips.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENCI 481, ENCI 482

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN481-20S1 (C)** Semester 1

### ENCN 493 Project

30 Points 0.2500 EFTS

Engineering Research Project

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 301

R: ENCI 493, ENCI 494, ENCN 494

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENCN493-20W (C)** Whole Year (S1 and S2)

**ENCN493-20S2 (C)** Semester 2

### ENCN 497 Special Topic In Civil Engineering

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

### ENCN 499 Special Topic: Hydraulics & Quality of Groundwater

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Director of Studies

### ENGR 403 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENGR403-20SU1 (C)** Summer (Jan 20)

**ENGR403-20S1 (C)** Semester 1

## Tāura | Postgraduate

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

### ENCI 601 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI601-20S1 (C)** Semester 1

### ENCI 609 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Director of Studies

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI609-20S2 (C)** Semester 2

### ENCI 610 Special Topic: Infrastructure Systems - Criticality and Lifelines

15 Points 0.1250 EFTS

P: Subject to approval of the Director of Studies

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI610-20A (C)** Starts Anytime

**ENCI 613 Structural Dynamics and Earthquake Engineering**

12 Points 0.1000 EFTS

**Not offered in 2020**

Dynamic behaviour of multi-degree of freedom structures and various computation methods with particular emphasis on non-linear structural response to earthquake excitation. Soil-structure interaction. Base isolation and passive control of structures.

P: Subject to approval of the Head of Department.

**ENCI 621 Concrete Materials and Practice**

15 Points 0.1250 EFTS

**Not offered in 2020**

Advanced concrete materials.

P: Subject to approval of Programme Director.

**ENCI 634 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI634-20S1 (C) Semester 1**

**ENCI 637 Marine Pollution Modelling**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores applications of fluid mechanics and hydraulic concepts in the modelling of marine pollution problems. The focus is on near field mixing from point sources of pollution. Although taught in a specific context, the approaches to modelling these mixing processes have numerous applications in other areas, such as volcanic eruptions, air pollution and fire engineering. A detailed treatment of the behaviour of wastewater once it is released into the environment is given. Those factors that influence the dilution of the effluent as it rises to the ocean surface are considered including the formation of jets, plumes and buoyant jets, as are the influences of ambient motion, ambient stratification and boundaries. The formation of surface fields and the influence of ambient mixing processes are also discussed.

P: Subject to approval of the Head of Department.

**ENCI 638 Environmental Fluid Dynamics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Introduction to environmental fluid dynamics - physical mechanisms. Turbulence - structure of turbulent flows, governing equations, scales, turbulence modeling, turbulent jet case study, turbulent mixing in the environment, turbulent dispersion in rivers, and turbulent jets. Buoyancy effects - governing equations and scale analysis for free and forced convection, gravity currents case study, convection in horizontal layers, plumes, waves.

P: Subject to approval of the Head of Department.

**ENCI 639 Advanced Water Hammer Analysis and Design**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course will focus on the modelling of water hammer in pipelines for unsteady pipeline design. Technical material in this course includes the modelling of advanced hydraulic elements such as surge vessels, check valves and pipe constrictions. The response of the system will be analysed in both the time and frequency domain using fundamental signal processing techniques. Students will be required to do their own research to determine how best to model complex hydraulic elements in their system.

P: ENNR 404.

RP: Students should have a good understanding of how unsteady flow can be modelled using method of characteristics prior to taking this course. Strong coding skills in Matlab (or another language) is required

**ENCI 646 Flood Analysis, Modelling and Management**

15 Points 0.1250 EFTS

**Not offered in 2020**

There is a need to provide a course on flood analysis, modelling and management so that engineers have the knowledge and skills to cope with the impact flood events have on society. Engineers with such knowledge are high in demand in New Zealand and overseas, in particular since flood events may become more frequent and severe in the future due to climate change. There is currently no course offered at UC Engineering on flood analysis, modelling and management at postgraduate level. Consultation with industry suggested a demand for this type of course. Due to the global nature of flood risk this course will most likely also attract international students.

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.

**ENCI 648 Special Topic: Water Demand and Supply**

15 Points 0.1250 EFTS

Estimation of water demand and supply through measurement (in situ and remote sensing), statistical and stochastic analysis and modelling; optimisation of water allocation and costs in different contexts.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI648-20S1 (C) Semester 1**

**ENCI 657 Special Topic**

12 Points 0.1000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENCI657-20S1 (C) Semester 1**

**ENCI 670 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI670-20S1 (C) Semester 1**

**ENCI 675 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCI675-20S1 (C) Semester 1**

**ENCI675-20W (C) Whole Year (S1 and S2)**

**ENCI675-20S2 (C) Semester 2**

**ENCI 680 Civil ME Project [Full Time]**

72 Points 0.6000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$5,288 (2019)

International Fee: \$26,400 (2019)

**ENCI680-20A (C) Starts Anytime**

**ENCI 682 Special Topic Civil Engineering - Project**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENCI682-20A (C) Starts Anytime**

**ENCI 690 Civil ME Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENCI690-20A (C) Starts Anytime**

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

**ENCI 790 Civil Engineering PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENCI790-20A (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.*

# Classics

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

## CLAS 104 Greek Mythologies

15 Points 0.1250 EFTS

**Not offered in 2020**

This course focuses on one of the great mainstays of Western culture that has endured for over 3,000 years: myths told by the Greeks in their literature and art to explain everything from the origins of the cosmos to the end of the heroic age. Themes include: the rise of Zeus and the Olympians to power; Demeter and Dionysos; Prometheus and the origins of human technology; heroes such as Heracles, Oedipus, Achilles, Odysseus as well as figures such Medea and Helen of Troy. In addition to analysis of ancient material, there will also be discussion of the vast influence of Greek myth on subsequent western art, literature and film from Botticelli and Byron to Brad Pitt and more.

R: CLAS 102, CLAS 103, CLAS 107

## CLAS 105 Roman Mythologies

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to Roman myths and the mythology of "Empire" and the way these are disseminated (or subverted) in literature and art. Topics include legendary figures (eg, Aeneas and Romulus) as well as historical figures of legendary status (eg, Spartacus, Cleopatra and Nero).

R: CLAS 102, CLAS 103

## CLAS 106 Ancient Egyptian Art

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to Egyptian Art from the pre-dynastic to the Roman period.

## CLAS 111 Greek History

15 Points 0.1250 EFTS

**Not offered in 2020**

The history of the Greek world from Homer to the Hellenistic age.

## CLAS 112 Roman History

15 Points 0.1250 EFTS

**Not offered in 2020**

The history of the Roman world from the Etruscans to the late Roman Empire.

R: CLAS 113

## CLAS 120 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: CLAS 111; CLAS 112; CLAS 113

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS120-20S1 (C) Semester 1

CLAS120-20S1 (D) Semester 1

## CLAS 122 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. While keeping their focus on particular historical times (Fifth century Athens and Augustan Rome), students will gain an understanding of gender issues, colonisation and identity in the ancient world and how ancient views still affect us. The main learning objective is to introduce students to reading, analysing and interpreting ancient literary texts and material culture expressing the myths that the Greek and the Romans told themselves, applied to politics and materialized through object production and architectural interventions.

R: CLAS 104; CLAS 105

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS122-20S2 (C) Semester 2

CLAS122-20S2 (D) Semester 2

## CLAS 134 Beginners' Greek A

15 Points 0.1250 EFTS

An introduction to Greek grammar and reading Greek. Students learn the language and literature of primarily Athens of the fifth and fourth centuries BC, and focus on texts closely modelled on authors such as Plato, Aristophanes and more. The course involves some study of the cultural background of these texts, including the philosophy of Socrates, life during wartime and the role of women in ancient Greece.

R: CLAS 131

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS134-20S1 (C) Semester 1

## CLAS 135 Beginners' Greek B

15 Points 0.1250 EFTS

An introduction to Greek grammar and reading Greek, building on CLAS 134. Students learn the language and literature of primarily Athens of the fifth and fourth centuries BC, and focus on texts closely modelled on authors such as Plato, Aristophanes and more. The course involves some study of the cultural background of these texts, including the philosophy of Socrates, life during wartime and the role of women in ancient Greece.

P: CLAS 134, or subject to approval of the Head of Department.

R: CLAS 131

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS135-20S2 (A) Semester 2

## CLAS 144 Beginners' Latin A

15 Points 0.1250 EFTS

An introduction to Latin grammar and to reading Latin.

R: CLAS 143

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS144-20S1 (C) Semester 1

CLAS144-20S1 (D) Semester 1

## CLAS 145 Beginners' Latin B

15 Points 0.1250 EFTS

An introduction to Latin grammar and to reading Latin, following on from CLAS 144.

P: CLAS 144, or subject to approval of the Head of Department.

R: CLAS 143

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS145-20S2 (C) Semester 2

CLAS145-20S2 (D) Semester 2

## CLAS 201 Theatre and Performance in the Ancient World

15 Points 0.1250 EFTS

A study of selected Greek and Roman tragic plays (in translation) and of aspects of performance and rhetoric.

P: Any 15 points at 100 level from CLAS, or any 60 points at 100 level from the Schedule V of the BA.

R: CLAS 321

RP: Any 100-level course in CLAS.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS201-20SU1 (A) Summer (Jan 20)

## CLAS 206 Greek Art: The Power of Images in Archaic and Classical Greece

15 Points 0.1250 EFTS

**Not offered in 2020**

A survey of ancient Greek art - primarily architecture, sculpture, vase painting - from the eighth to fourth centuries BC and how these materials relate more broadly to their cultural context; tutorials will focus on objects in the James Logie Memorial Collection.

P: Any 15 points at 100 level from ARTH or CLAS, or any 60 points at 100 level from the Schedule V of the BA.

R: ARTH 216, CLAS 336

RP: Any 100-level course in CLAS.

EQ: ARTH 216

## CLAS 207 Roman Art and Architecture

15 Points 0.1250 EFTS

A survey of Roman art, architecture and material culture from 753 BC to the 2nd century AD, with particular reference to objects in the James Logie Memorial Collection.

P: Any 15 points at 100 level from CLAS, or any 60 points at 100 level from the Schedule V of the BA.

RP: Any 100-level course in CLAS.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

CLAS207-20S2 (A) Semester 2

**CLAS 213 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: CLAS 313

RP: CLAS 111 or any 100-level course in CLAS.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CLAS213-20S1 (C) Semester 1**

**CLAS 214 Imperial Rome**

15 Points 0.1250 EFTS

**Not offered in 2020**

Roman history, society and culture under the early emperors as represented by the literary sources and material remains.

P: Any 15 points at 100 level from CLAS, or any 60 points at 100 level from the Schedule V of the BA.

R: CLAS 318

**CLAS 219 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: CLAS 319

RP: Any 100-level course in CLAS.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CLAS219-20S2 (A) Semester 2**

**CLAS 220 Troy and Ancient Epic**

15 Points 0.1250 EFTS

**Not offered in 2020**

No cycle of myths has had a stronger grip on the western imagination than the saga of the Trojan War and its aftermath. Originating in ancient Greece over 3,000 years ago, the stories concerning Achilles, Helen, Odysseus (a.k.a. Ulysses) and Priam, Aeneas, Dido and other great figures resonate today in art, film and stage adaptations as well as in ever-forthcoming translations of Homer's vast epic poems Iliad and Odyssey (eight-seventh centuries BC) and Vergil's Roman epic Aeneid (first century BC) — three poems which remain among the very greatest and most influential literary works of all time. Homer's Iliad (nearly 16,000 lines) profoundly explores the nature of heroic warfare and its costs for combatants and civilians alike, affording insights into the human condition. The Odyssey (over 12,000 lines) tells of the ten-year return of the Greek hero Odysseus to his native Ithaca during which he encounters fantastic monsters and sorceresses only to face an even greater challenge awaiting him in his own home. Vergil's Aeneid (c. 10,000 lines) tells of the Trojan hero Aeneas who, with fellow refugees from Troy, travels to Italy to establish the origins of Rome, becoming an exemplar of Roman virtues in the process. Students who complete this course will come to see that the Iliad, Odyssey and Aeneid in all their grandeur, passion and intensity are epic in every sense of the word.

P: Any 15 points at 100 level from CLAS, or any 60 points at 100 level from the Schedule V of the BA.

R: CLAS 202, CLAS 203, CLAS 320, CLAS 323

RP: CLAS 104 or any 100-level course in CLAS.

**CLAS 222 Ancient Economies**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to the economies in the Mediterranean region during antiquity in order to gain a better knowledge of societies in the ancient world. Select economic activities will be studied to provide a greater understanding of the daily reality for individuals. Topics covered may include occupations, how the rental housing market worked, what coins were available, urbanization, etc. We will also investigate the operation of 'states', such as the Roman Empire and/or the Athenian Empire. Here we will examine activities such as trade, transportation, taxes and slave markets.

P: Any 15 points at 100 level from CLAS or ECON, or any 60 points at 100 level from the Schedule V of the BA.

**CLAS 223 Sex, Love and Gender in the Ancient World**

15 Points 0.1250 EFTS

This course investigates ancient attitudes towards sex, conceptualisations of love and the construction of gender through analyses of mythic, literary and artistic representations of men and women, and their interactions. The investigation will be accompanied by reflections on the impact of Graeco-Roman perceptions of sex, love and gender on Western views in terms of changes and continuities.

P: Any 15 points at 100 level from CLAS, or any 60 points at 100 level from the Schedule V of the BA.

RP: Any first year Arts Courses

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CLAS223-20S1 (C) Semester 1**

**CLAS 224 Greek Philosophy**

15 Points 0.1250 EFTS

**Not offered in 2020**

A survey of Greek philosophy and intellectual history Archaic and Classical Greece (c. 700-320 BC), focusing on primary sources in three interconnected sections: Presocratics; Sophists, Socrates & Plato; Aristotle. 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 PHIL, or any 60 points at 100 level from the Schedule V of the BA.

R: CLAS 324; PHIL 314; PHIL 224

RP: CLAS 104 or CLAS/PHIL 141 or any 100-level in CLAS or PHIL.

EQ: PHIL 224

**CLAS 234 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: CLAS 135, or subject to approval of the Head of Department.

R: CLAS 231

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CLAS234-20S1 (A) Semester 1**

**CLAS 235 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: CLAS 234, or subject to approval of the Head of Department.

R: CLAS 231

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CLAS235-20S2 (A) Semester 2**

**CLAS 244 Intermediate Latin Authors A**

15 Points 0.1250 EFTS

A study of selected Latin texts and unseen passages, with emphasis on the development of knowledge of the language.

P: CLAS 145, or subject to approval of the Head of Department.

R: CLAS 241

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CLAS244-20S1 (A) Semester 1**

**CLAS 245 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: CLAS 244, or subject to approval of the Head of Department.

R: CLAS 241

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CLAS245-20S2 (A) Semester 2**

**CLAS 307 Topics in Ancient History: Justinian and his Age**

30 Points 0.2500 EFTS

**Not offered in 2020**

History of the reign of Justinian (A.D. 527-565) with emphasis on his conquests (North Africa, Italy, Spain), his legal reforms, his architectural legacy, the religious controversies of the day, and the historiographical achievement of the historian of Justinian's reign, Procopius.

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

R: CLAS 407

**CLAS 310 Writing in Chains: Latin Literature and Roman Slavery**

30 Points 0.2500 EFTS

**Not offered in 2020**

An examination of Roman slavery from a literary and cultural-historical perspective.

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

**CLAS 314 Art and Archaeology of Ancient Mediterranean Cities**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Any 30 points at 200 level from CLAS, or any 60 points at 200 level from the Schedule V of the BA or from the BE (Hons).

R: CLAS 414

**CLAS 315 Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

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

**CLAS 316 Topics in Classical Literature and Culture: Roman Law**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course surveys the key features of Roman law that have become essential to modern European legal systems and considers the impact of law on Rome's development as a city-state and capital of a large empire.

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

**CLAS 319 Sport and Leisure in the Ancient World**

30 Points 0.2500 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 30 points at 200 level from CLAS, or any 60 points at 200 level from the Schedule V of the BA.

R: CLAS 219

EQ: CLAS 219

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CLAS319-20S2 (A) Semester 2****CLAS 322 Roman Architecture**

30 Points 0.2500 EFTS

This course explores the tremendous architectural and engineering achievements of the Romans from the 2nd century BC - 4th century AD. The course will focus on a variety of architectural buildings, forms, techniques and materials, and will also examine some of the cultural and historical factors underlying the Romans' success as architects. This course is suitable for Civil Engineering students as well as Arts students.

P: Any 30 points at 200 level from CLAS, or any 60 points at 200 level from the Schedule V of the BA or from the BE (Hons).

R: CLAS 314 (in 2012 and 2014 only), CLAS 414, CLAS 422

EQ: CLAS 314 (in 2012 and 2014 only)

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CLAS322-20S1 (A) Semester 1****CLAS 324 Greek Philosophy**

30 Points 0.2500 EFTS

**Not offered in 2020**

A survey of Greek philosophy and intellectual history Archaic and Classical Greece (c. 700-320 BC), focusing on primary sources in three interconnected sections: Presocratics; Sophists, Socrates & Plato; Aristotle. 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 30 points at 200 level from CLAS or PHIL, or any 60 points at 200 level from the Schedule V of the BA.

R: CLAS 224, PHIL 224, PHIL 314

EQ: PHIL 314

**CLAS 325 Roman Social History**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: CLAS 307, CLAS 407 (in 2003, 2008, 2010)

RP: CLAS 214 or any other 200-level course in CLAS.

**CLAS 326 Concepts of Art and Literature from Homer to Aristotle**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: CLAS 315, CLAS 454

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

**CLAS 329 Ancient Laughter**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: CLAS 306, CLAS 321, CLAS 409

RP: CLAS 104 and CLAS 105 and/or any 200 level course in CLAS.

**CLAS 332 The Hellenistic East and the Coming of Rome**

30 Points 0.2500 EFTS

The History of the Hellenistic World from 323 to 30 B.C.

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

R: CLAS 307 (but only if taken in 2012 or 2014)

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CLAS332-20S2 (A) Semester 2****CLAS 335 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: CLAS 235, or subject to approval of the Head of Department.

R: CLAS 331

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CLAS335-20S2 (A) Semester 2****CLAS 336 Greek Art: The Power of Images in Archaic and Classical Greece**

30 Points 0.2500 EFTS

**Not offered in 2020**

A study of the rich and creative developments in Archaic and Classical Greek sculpture, architecture and vase painting and how they reflect and relate to the mythology, religion, political developments and ideology of their day.

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

R: CLAS 206, ARTH 216

RP: CLAS 104; Greek Mythologies, CLAS 220 or any other 200-level paper in CLAS

**CLAS 345 Advanced Latin Authors**

30 Points 0.2500 EFTS

Continued advanced study of Latin texts and unseen passages.

P: CLAS 244, or subject to approval of the Head of Department.

R: CLAS 341

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CLAS345-20S2 (A) Semester 2**



## Classics

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PACE395-20A (C) Starts Anytime

PACE395-20S1 (C) Semester 1

PACE395-20S2 (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.

P: Subject to approval of the Head of Department.

R: CLAS 307, CLAS 332

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

CLAS407-20S2 (A) Semester 2

### CLAS 412 Greek and Roman Theatre

30 Points 0.2500 EFTS

Not offered in 2020

Studies in text and the theory of performance.

P: Subject to approval of the Head of Department.

R: DRAM 403 (in 2001), TAFS 403

EQ: TAFS 403

### CLAS 414 Special Topic

30 Points 0.2500 EFTS

Not offered in 2020

P: Subject to approval of the Head of Department.

R: CLAS 314, CLAS 322

### CLAS 415 Prescribed Texts: Greek

30 Points 0.2500 EFTS

Not offered in 2020

A variety of Greek texts, for translation and critical analysis.

P: Subject to approval of the Head of Department.

### CLAS 416 Prescribed Texts: Latin

30 Points 0.2500 EFTS

Not offered in 2020

A variety of Latin texts, for translation and critical analysis.

P: Subject to approval of the Head of Department.

## Tāura | Postgraduate

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

### CLAS 401 Prescribed Texts: Greek and Latin

30 Points 0.2500 EFTS

A variety of Greek and Latin literary texts, for translation and critical analysis.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

CLAS401-20W (A) Whole Year (S1 and S2)

### CLAS 402 Unprepared Translation from Greek

30 Points 0.2500 EFTS

Not offered in 2020

Unprepared translation from Greek.

P: Subject to approval of the Head of Department.

### CLAS 403 Unprepared Translation from Latin

30 Points 0.2500 EFTS

Not offered in 2020

Unprepared translation from Latin.

P: Subject to approval of the Head of Department.

### CLAS 404 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

CLAS404-20S2 (C) Semester 2

### CLAS 405 A Literary Subject

30 Points 0.2500 EFTS

Not offered in 2020

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.

### CLAS 406 Historical Topic

30 Points 0.2500 EFTS

Not offered in 2020

Students may discuss with individual members of staff particular and mutual areas of historical 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.

### CLAS 407 Topics in Ancient History: The Hellenistic East and the Coming of Rome

30 Points 0.2500 EFTS

The course will look in detail at selected historical and historiographical topics.

### CLAS 422 Roman Architecture

30 Points 0.2500 EFTS

This course explores the tremendous architectural and engineering achievements of the Romans from the 2nd century BC - 4th century AD. The course will focus on a variety of architectural buildings, forms, techniques and materials, and will also examine some of the cultural and historical factors underlying the Romans' success as architects. This course is suitable for Civil Engineering students as well as Arts students.

P: Subject to approval of the Head of Department.

R: CLAS 322, CLAS 314: in 2012 and 2014 only

EQ: CLAS 314: in 2012 and 2014 only

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

CLAS422-20S1 (A) Semester 1

### CLAS 453 Research Essay

30 Points 0.2500 EFTS

Not offered in 2020

A substantial piece of work on a particular topic.

P: Subject to approval of the Head of Department.

### CLAS 460 Approaches to Classical Studies

30 Points 0.2500 EFTS

Using the theme of cultural identity in the Graeco-Roman world (8th cent. BCE–1st cent. CE) this course focuses on research methods appropriate to Classical Studies with emphasis on the holistic nature of Classical Studies and the diverse body of primary evidence required for understanding the ancient world.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

CLAS460-20S1 (A) Semester 1

### CLAS 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

CLAS480-20W (C) Whole Year (S1 and S2)

**CLAS 481 Independent Course of Study: Research Essay A**

15 Points 0.1250 EFTS

**Not offered in 2020**

A substantial piece of work on a particular topic, this course is followed by CLAS 482.

P: Subject to approval of the Head of Department.

R: CLAS 453, CLAS 480

**CLAS 482 Independent Course of Study: Research Essay B**

15 Points 0.1250 EFTS

**Not offered in 2020**

A substantial piece of work on a particular topic, this course follows on from CLAS 481.

P: Subject to approval of the Head of Department.

R: CLAS 453, CLAS 480

**CLAS 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**CLAS690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***CLAS 790 Classics PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Coordinator

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**CLAS790-20A (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.*

## Communication Disorders

*Te Kura Mahi ā-Hirikapo | School of Psychology, Speech and Hearing***CMDS 113 Introduction to Communication Disorders**

15 Points 0.1250 EFTS

(1) To gain an understanding of typical speech, language and swallowing development and the effects of healthy ageing upon these same processes; (2) To be aware of the possible consequences of delay or disorder upon communication and swallowing function; and (3) to understand the role of a speech-language therapist in assessment and treatment of communication and swallowing disorders.

R: CMDS 111 and CMDS 112

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS113-20S2 (C) Semester 2****CMDS 114 The Science of Human Communication**

15 Points 0.1250 EFTS

CMDS 114 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.

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS114-20S1 (C) Semester 1****CMDS 161 Anatomy and Physiology of the Speech, Hearing and Swallowing Mechanism**

15 Points 0.1250 EFTS

This course aims to promote knowledge and understanding of the anatomical structures and physiological processes involved in speech production and perception. The main goal is to familiarize students with the basic terms and concepts of the human speech mechanism and facilitate future studies of disorders in speech, voice, language, swallowing and hearing or related disciplines.

Domestic Fee: \$949 (2019)

International Fee: \$4,575 (2019)

**CMDS161-19SU2 (D) Summer (Nov 19)****CMDS161-20S1 (C) Semester 1****CMDS 222 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: CMDS 221

R: CMDS 665

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS222-20S2 (C) Semester 2****CMDS 223 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: CMDS 661, CMDS 221, CMDS 231

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS223-20S1 (C) Semester 1****CMDS 232 Speech Sound Disorders**

15 Points 0.1250 EFTS

This course provides students with an overview of normal 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: CMDS 231

R: CMDS 665

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS232-20S2 (C) Semester 2****CMDS 243 Introduction to Audiologic Assessment and Management**

15 Points 0.1250 EFTS

This course provides students with foundational knowledge in 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 competence in hearing screening audiometry and the interpretation of basic audiometric data in paediatric and adult audiology.

R: CMDS 663

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS243-20S1 (C) Semester 1****CMDS 262 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: CMDS 667, CMDS 162

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS262-20S1 (C) Semester 1**

**CMDS 263 Evaluating Research for Clinical Practice**

15 Points 0.1250 EFTS

Evidence-based practice is the conscientious, explicit and judicious use of current best evidence in making decisions about the care of individual clients (CEBM, Oxford). Having its origins in the fields of medicine and clinical epidemiology, EBP is now a growing part of speech and language sciences. 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.

P: STAT 101

R: CMDS 668

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS263-20S2 (C) Semester 2****CMDS 281 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: CMDS 664

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS281-20S1 (C) Semester 1****CMDS 282 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: CMDS 668

Domestic Fee: \$949 (2019)

International Fee: \$4,575 (2019)

**CMDS282-19SU2 (C) Summer (Nov 19)****CMDS282-20S2 (C) Semester 2****CMDS 320 Spoken and Written Language Disorders in Education**

15 Points 0.1250 EFTS

Further study in childhood language disorders, focusing on the assessment and treatment of school-aged children with language impairment.

P: CMDS 222

R: CMDS 672

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS320-20S1 (C) Semester 1****CMDS 363 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 motor speech disorders and, furthermore, be capable of using this information to establish goals for intervention and develop appropriate, evidence-based intervention programmes.

P: CMDS 162 or CMDS 262

R: CMDS 673

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS363-20S2 (C) Semester 2****CMDS 365 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, the methods for the evaluation of dysphagia in adults and children, the medical conditions associated with dysphagia such as aspiration pneumonia, tracheostomy and other complicating factors.

P: CMDS 161 and (CMDS 162 or CMDS 262)

R: CMDS 669

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS365-20S1 (C) Semester 1****CMDS 366 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 examine practices 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: CMDS 161, CMDS 162, CMDS 365

R: CMDS 674

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS366-20S2 (C) Semester 2****CMDS 367 Voice Science and Disorders**

15 Points 0.1250 EFTS

This course is designed to provide knowledge about voice production and laryngeal pathophysiology and facilitate development of problem-solving skills in managing clinical voice pathology and conducting voice research. Emphasis is on building competencies in the assessment and management of voice problems and a solid foundation of knowledge about the theories and methods in voice science.

P: CMDS 162 or CMDS 262

R: CMDS 666

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS367-20S2 (C) Semester 2****CMDS 368 Professional Studies 1**

15 Points 0.1250 EFTS

**Not offered in 2020**

In this course students engage in an interactive lecture series focussing on professional studies related to speech-language pathology. Students will develop an understanding of professional issues in speech-language pathology and apply knowledge of professional issues to client management.

P: CMDS 281, CMDS 282

R: CMDS 664

**CMDS 369 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: CMDS 162 or CMDS 262

R: CMDS 670

Domestic Fee: \$968 (2019)

International Fee: \$4,800 (2019)

**CMDS369-20S1 (C) Semester 1****CMDS 381 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: CMDS 281, CMDS 282, CMDS 263

R: CMDS 671

Domestic Fee: \$949 (2019)

International Fee: \$4,575 (2019)

**CMDS381-19SU2 (C) Summer (Nov 19)****CMDS381-20S1 (C) Semester 1****CMDS 382 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: CMDS 281, CMDS 282, CMDS 263

R: CMDS 676

Domestic Fee: \$949 (2019)

International Fee: \$4,575 (2019)

**CMDS382-19SU2 (C) Summer (Nov 19)****CMDS382-20S2 (C) Semester 2****CMDS 420 Professional Studies 1**

15 Points 0.1250 EFTS

CMDS 420 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 whanau 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: CMDS 222

R: CMDS 672

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS420-20S1 (C) Semester 1****CMDS 451 Fluency Disorders**

15 Points 0.1250 EFTS

Introduction to the clinical management of adults and children who stutter, including the clinical measurement of stuttering, the design of stuttering treatments, and the application of

empirical and theoretical literature to clinical practice.

R: CMDS 662

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS451-20T3 (C)** 13 July 2020 - 30 Aug 2020

### CMDS 461 Complex Communication Disorders

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: CMDS 320, CMDS 369, CMDS 363

R: CMDS 675

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS461-20S1 (C)** Semester 1

### CMDS 468 Professional Studies 2

15 Points 0.1250 EFTS

In this course students engage in an interactive lecture series focusing on professional studies related to speech-language pathology. Students will develop an understanding of professional issues in speech-language pathology and apply knowledge of professional issues to client management

R: CMDS 676

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS468-20S2 (C)** Semester 2

### CMDS 482 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: CMDS 381, CMDS 382

Domestic Fee: \$1,075 (2019)

International Fee: \$4,575 (2019)

**CMDS482-19SU2 (C)** Summer (Nov 19)

**CMDS482-20S1 (C)** Semester 1

### CMDS 484 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: CMDS 381, CMDS 382

Domestic Fee: \$2,150 (2019)

International Fee: \$9,150 (2019)

**CMDS484-19SU2 (C)** Summer (Nov 19)

**CMDS484-20S2 (C)** Semester 2

### CMDS 490 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.

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**CMDS490-20W (C)** Whole Year (S1 and S2)

Limited entry. See limitation of entry regulations.

### CMDS 491 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 appraise the evidence and draw a conclusion based on the highest-quality evidence available.

P: CMDS 263 and Enrolment in the 3rd Professional Year of the BSLP(Hons).

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS491-20S1 (C)** Semester 1

## Tāura | Postgraduate

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

### CMDS 604 Research Design

15 Points 0.1250 EFTS

This course emphasises the application of statistical methods to problems, selection of appropriate statistical procedures for data analysis, doing data analyses using statistical software and interpreting the results. Basic statistical tests are covered including t-tests and regression. Students then apply this knowledge to the critical appraisal of published research in the field of speech pathology and/or audiology.

P: Entry subject to approval by the Head of Department

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS604-20S1 (C)** Semester 1

**CMDS604-20S2 (C)** Semester 2

### CMDS 605 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.

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS605-20W (C)** Whole Year (S1 and S2)

### CMDS 661 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 Department

R: CMDS 221, CMDS 231

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS661-20S1 (C)** Semester 1

### CMDS 662 Fluency Disorders

15 Points 0.1250 EFTS

Introduction to the clinical management of adults and children who stutter, including the clinical measurement of stuttering, the design of stuttering treatments, and the application of empirical and theoretical literature to clinical practice.

P: Entry subject to approval by the Head of Department

R: (1) CMDS 351, (2) CMDS 451

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS662-20T3 (C)** 13 July 2020 - 30 Aug 2020

### CMDS 663 Audiologic Assessment and Management

15 Points 0.1250 EFTS

This course provides students with foundational knowledge in 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 competence in hearing screening audiometry and the interpretation of basic audiometric data in paediatric and adult audiology.

P: Entry subject to approval by the Head of Department

R: CMDS 243, CMDS 242, CMDS 442

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS663-20S1 (C)** Semester 1

**CMDS 664 Professional Studies and Clinical Practice 1**

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 Department

R: CMDS 281, CMDS 368

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS664-20S1 (C) Semester 1****CMDS 665 Speech and Language Disorders in Children**

15 Points 0.1250 EFTS

In this course students examine theories, causes and characteristics of speech and language disorders in early childhood and critically examine evidence related to theories advanced to account for such disorders. 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 multicultural 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: CMDS 661. Entry subject to approval by the Head of Department

R: CMDS 222, CMDS 232

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS665-20S2 (C) Semester 2****CMDS 666 Voice Disorders**

15 Points 0.1250 EFTS

In this course, students learn the fundamentals of voice production and laryngeal pathophysiology and apply this knowledge to problem solving for voice and resonance disorders, voice therapy, and vocal measurement. Emphasis is on building competencies in the assessment and management of voice problems and a solid foundation of knowledge about the theories and methods in voice science. On the basis of novel cases, students will identify, differentiate, and describe voice disorders and critically examine methods of assessment and intervention.

P: Entry subject to approval by the Head of Department

R: CMDS 367

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS666-20S2 (C) Semester 2****CMDS 667 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 Department

R: (1) CMDS 162, (2) CMDS 262

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS667-20S1 (C) Semester 1****CMDS 668 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) STAT 101 or equivalent (2) CMDS 664. Entry subject to approval by the Head of Department

R: CMDS 282, CMDS 263 and CMDS 462

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS668-20X (C) 13 July 2020 - 27 Dec 2020****CMDS 669 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, the methods for the evaluation of dysphagia in adults and children, the medical conditions associated with dysphagia such as aspiration pneumonia, tracheostomy and other complicating factors.

P: CMDS 667. Entry subject to approval by the Head of Department

R: CMDS 365

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS669-20S1 (C) Semester 1****CMDS 670 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: CMDS 667. Entry subject to approval by the Head of Department

R: CMDS 369

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS670-20S1 (C) Semester 1****CMDS 671 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) CMDS 664, (2) CMDS 668. Entry subject to approval by the Head of Department

R: CMDS 381

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS671-20X (C) 27 Jan 2020 - 21 June 2020****CMDS 672 Spoken and Written Language Disorders in Educational Settings**

15 Points 0.1250 EFTS

The goal of this course is to extend the proficiency of students in developmental language disorders by building on the knowledge gained in CMDS 661 and CMDS 665. This course extends prior learning in two key ways: 1) focuses on the nature of language impairment in older children and how that impairment impacts on social and academic outcomes; and 2) requires synthesis of previously learned concepts through application to an older population and educational context. This course introduces students to factors uniquely relevant to the New Zealand educational context, including cultural considerations in assessment and intervention, bilingual educational settings and relevant legislation and government initiatives.

P: CMDS 665. Entry subject to approval by the Head of Department

R: (1) CMDS 420, (2) CMDS 320

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS672-20S1 (C) Semester 1****CMDS 673 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: CMDS 667. Entry subject to approval by the Head of Department

R: CMDS 363

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS673-20S2 (C) Semester 2****CMDS 674 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 examine practices 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: CMDS 669. Entry subject to approval by the Head of Department

R: (1) CMDS 465, (2) CMDS 366

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS674-20S2 (C) Semester 2****CMDS 675 Evidence-based Practice for Complex Communication Disorders**

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 Department  
 R: CMDS 263 and CMDS 461  
 Domestic Fee: \$1,096 (2019)  
 International Fee: \$4,800 (2019)

**CMDS675-20S2 (C)** Semester 2

### CMDS 676 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) CMDS 664, (2) CMDS 668, (3) CMDS 671. Entry subject to approval by the Head of Department

R: (1) CMDS 468, (2) CMDS 484

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**CMDS676-20X (C)** 13 July 2020 - 31 Jan 2021

### CMDS 695 MSc Thesis (Clinical)

105 Points 0.8750 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$7,359 (2019)

International Fee: \$33,600 (2019)

**CMDS695-20A (C)** Starts Anytime

*Thesis must be completed within 12 months (full-time) 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.*

### CMDS 696 MSc Thesis (Non-Clinical)

105 Points 0.8750 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

*Thesis must be completed within 12 months (full-time) 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.*

### CMDS 790 Speech and Language Sciences PhD

120 Points 1.0000 EFTS

Domestic Fee: \$8,410 (2019)

International Fee: \$38,400 (2019)

**CMDS790-20A (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.*

## Computational and Applied Mathematical Sciences

*School of Mathematics and Statistics*

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

### CAMS 449 Research Project

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,921 (2019)

International Fee: \$9,600 (2019)

**CAMS449-20W (C)** Whole Year (S1 and S2)

**CAMS449-20CY (C)** Cross Year

### CAMS 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**CAMS690-20A (C)** Starts Anytime

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

### CAMS 790 Computational and Applied Mathematics PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**CAMS790-20A (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.*

## Computer Engineering

*Department of Electrical and Computer Engineering*

### ENCE 260 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: COSC 121

R: ENEL 206; both COSC 208/ENCE 208 and COSC 221/ENCE 221

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCE260-20S2 (C)** Semester 2

### ENCE 360 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: ENCE 260.

R: COSC 321

RP: COSC 110 or COSC 101, COSC 262.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCE360-20S2 (C)** Semester 2

### ENCE 361 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: ENCE 260

R: ENEL 353, ENEL 323, COSC 361, ELEC 361, ENEL 340

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCE361-20S1 (C)** Semester 1

### ENCE 461 Embedded Systems 2

15 Points 0.1250 EFTS

An advanced course on computer, microprocessor, and digital signal processor systems and their implementation. Practical issues in advanced digital hardware design.

P: ENCE 361

R: ENEL 429

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCE461-20S1 (C)** Semester 1

### ENCE 464 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. State machines form a unifying mechanism to understand hardware and software. Software design procedures and methodologies are used to develop reliable coding practices used on high-performance concurrent systems with real-time constraints. Testing and debugging on high-performance concurrent systems, where inter-task communication support is required, and is analysed using industry-standard metrics and test platforms.

P: ENCE 361

R: ENCE 463, ENCE 462, ENEL 428, ENEL 429

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCE464-20S2 (C)** Semester 2

# Computer Science

Department of Computer Science and Software Engineering

**STAR 001 CTA Digital Technologies Level 3**  
0 Points 0.0000 EFTS  
**Not offered in 2020**

**COSC 101 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, DIGI 101  
EQ: DIGI 101  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC101-20S1 (C) Semester 1**

**COSC 121 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 COSC 122 and all 200 level COSC and SENG courses.  
R: COSC 123  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC121-20S1 (C) Semester 1**  
**COSC121-20S2 (C) Semester 2**

**COSC 122 Introduction to Computer Science**  
15 Points 0.1250 EFTS  
An introduction to Computer Science, including algorithms, computability, complexity and object-oriented programming.  
P: COSC 121  
R: COSC 112, CMIS 112  
Domestic Fee: \$850 (2019)  
International Fee: \$4,000 (2019)  
**COSC122-19SU2 (C) Summer (Nov 19)**  
**COSC122-20S2 (C) Semester 2**

**COSC 241 Special Topic**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: Entry subject to approval by the Head of Department.

**COSC 242 Special Topic**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: Entry subject to approval by the Head of Department.

**COSC 243 Special Topic**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: Entry subject to approval by the Head of Department.

**COSC 261 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: COSC 121 and COSC 122 and MATH 120  
R: COSC 202, COSC 222  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC261-20S1 (C) Semester 1**

**COSC 262 Algorithms**  
15 Points 0.1250 EFTS  
This course teaches a range of fundamental algorithms and analyses their complexity.  
P: (1) COSC 121; (2) COSC 122;  
R: COSC 202, COSC 229, COSC 329  
RP: MATH 120  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC262-20S1 (C) Semester 1**

**COSC 264 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) COSC 121 and (2) COSC 122 and (3) EMTH 119 or (MATH 102 and MATH 120) or (MATH 102 and STAT 101)  
R: COSC 227, COSC 231  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC264-20S2 (C) Semester 2**

**COSC 265 Relational Database Systems**  
15 Points 0.1250 EFTS  
An introduction to database systems, database design, relational databases and database management systems.  
P: COSC 121 or INFO 125  
R: COSC 205, COSC 226  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC265-20S2 (C) Semester 2**

**COSC 362 Data and Network Security**  
15 Points 0.1250 EFTS  
The course provides a study of the principles and practice of security for both stored and transmitted information. It addresses the fundamental principles of computer and network security and covers: Internet Threats and Hacker Techniques, Firewall Security, Intrusion Detection Systems, Authentication, Encryption Technologies, Public Key Management, Virtual Private Networks and Wireless Network Security.  
P: COSC 264 or INFO 333.  
R: COSC 332, ACIS 323, AFIS 323  
RP: It is recommended that COSC 362 and COSC 364 be taken together.  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC362-20S2 (C) Semester 2**

**COSC 363 Computer Graphics**  
15 Points 0.1250 EFTS  
The course focuses on all aspects of fundamental computer graphics, including 2D/3D object representations, transformations, modelling and rendering algorithms. The course also aims to provide a good foundation for OpenGL programming, which is a widely accepted standard for developing graphics applications.  
P: (1) ENCE 260, (2) 30 points of 200-level Computer Science, (3) 15 points of 100-level MATH/STAT/EMTH (MATH 120 recommended). MATH 101 is not acceptable.  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC363-20S1 (C) Semester 1**

**COSC 364 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: COSC 264, ENCE 260  
R: COSC 331  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC364-20S1 (C) Semester 1**

**COSC 366 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 (MATH 120 recommended) and COSC 262. MATH 101 is not acceptable. (3) approval of the Head of Department  
RP: COSC 110 OR COSC 101, ENCE 260, COSC 261, COSC 262, SENG 201  
Domestic Fee: \$850 (2019)  
International Fee: \$4,000 (2019)  
**COSC366-19SU2 (C) Summer (Nov 19)**

**COSC 367 Artificial Intelligence**  
15 Points 0.1250 EFTS  
This course introduces important concepts in computational intelligence and demonstrates how they are used to solve problems that are normally difficult or intractable by conventional means. Topics covered include algorithms, techniques, and languages commonly used in artificial intelligence, knowledge representations and reasoning, and bio-inspired computing.

P: COSC 262  
R: COSC 329  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC367-20S2 (C)** Semester 2

### COSC 368 Humans and Computers

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) 45 points of (200-level Computer Science and ENCE 260), (2) 30 points of EMTH or 15 points of MATH/STAT (MATH 120 recommended). MATH 101 is not acceptable.  
R: COSC 225  
RP: COSC 110 OR COSC 101, COSC 263 OR SENG 201  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**COSC368-20S2 (C)** Semester 2

### COSC 371 Special Topic

15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: Subject to approval by the Head of Department.

### COSC 372 Special Topic

15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: Subject to approval by the Head of Department.

## Tāura | Postgraduate

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

### COSC 401 Machine Learning

15 Points 0.1250 EFTS  
A study of computational processes that underlie learning in machines. Topics will include inductive, analytical and case-based learning, support vector machines and graphical models.  
P: (i) COSC 367; (ii) At least 45 points of 100-, 200- or 300-level MATH / STAT (but not including MATH 101, STAT 101); (iii) Subject to approval of the Head of Department  
Domestic Fee: \$1,022 (2019)  
International Fee: \$4,800 (2019)  
**COSC401-20S2 (C)** Semester 2

### COSC 411 Advanced Topics in HCI

15 Points 0.1250 EFTS  
An introduction to research in human-computer interaction.  
P: 1) COSC 368, 2) Subject to approval of the Head of Department. BE(Hons) students must have completed COSC 363.  
Domestic Fee: \$1,022 (2019)  
International Fee: \$4,800 (2019)  
**COSC411-20S1 (C)** Semester 1

### COSC 413 Advanced Topics in Algorithms

15 Points 0.1250 EFTS  
**Not offered in 2020**  
Advanced topics in algorithms, such as NP-completeness and intractability, randomized algorithms, number theoretic algorithms for cryptology, parallel algorithms, formal verification of algorithms etc.  
P: COSC 262 and COSC 367. Subject to approval of the Head of Department.

### COSC 418 Wireless Ad-hoc and Sensor Networks

15 Points 0.1250 EFTS  
**Not offered in 2020**  
This course will provide students with an understanding of wireless ad-hoc and sensor networks, enable them to recognise the wide range of applicability of these networks, and provide them with an understanding of the major design issues, including topics such as protocol mechanisms and resource constraints.  
P: (COSC 364 or COSC 331), ENCE 260.  
RP: ENCE 361

### COSC 420 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.  
Domestic Fee: \$1,022 (2019)  
International Fee: \$4,800 (2019)  
**COSC420-20S1 (C)** Semester 1

### COSC 421 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) COSC 362 and (2) subject to approval by the Head of Department  
Domestic Fee: \$1,022 (2019)  
International Fee: \$4,800 (2019)  
**COSC421-20S1 (C)** Semester 1

### COSC 422 Advanced Computer Graphics

15 Points 0.1250 EFTS  
**Not offered in 2020**  
This course provides an in-depth knowledge of advanced algorithms and techniques used in several areas of computer graphics. The course covers a wide range of topics that have found applications in real-time rendering, animation, and game engine development.  
P: 1) COSC 363 2) Subject to Approval of the Head of Department

### COSC 424 Secure Software

15 Points 0.1250 EFTS  
This course provides students with skills to design and implement secure application programs, which are not vulnerable to malicious attacks.  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$1,022 (2019)  
International Fee: \$4,800 (2019)  
**COSC424-20S2 (C)** Semester 2

### COSC 428 Computer Vision

15 Points 0.1250 EFTS  
This course covers advanced techniques and algorithms used in real-time 3D computer vision and image processing, from medical imaging to intelligent autonomous UAV/robot vision.  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$1,022 (2019)  
International Fee: \$4,800 (2019)  
**COSC428-20S1 (C)** Semester 1

### COSC 432 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: COSC 261 or COSC 262; and MATH 120  
Domestic Fee: \$1,022 (2019)  
International Fee: \$4,800 (2019)  
**COSC432-20S2 (C)** Semester 2

### COSC 434 Special Topic

15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: Subject to approval of the Head of Department.

### COSC 439 Special Topic

15 Points 0.1250 EFTS  
**Not offered in 2020**  
P: Subject to approval of the Head of Department.

## Construction Management

### COSC 441 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: ENCE 260, SENG 201 and COSC 364.

RP: COSC 418

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**COSC441-20S2 (C) Semester 2**

### COSC 469 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: COSC 460

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**COSC469-20S1 (C) Semester 1**

### COSC 470 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: COSC 469

R: COSC 460, COSC 461

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**COSC470-20W (C) Whole Year (S1 and S2)**

**COSC470-20CY (C) Cross Year**

### COSC 471 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

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

### COSC 472 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to the approval of the Head of Department

### COSC 473 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

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

### COSC 474 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to the approval of the Head of Department

### COSC 475 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**COSC475-20S1 (C) Semester 1**

**COSC475-20W (C) Whole Year (S1 and S2)**

**COSC475-20S2 (C) Semester 2**

### COSC 476 Independent Course of Study

60 Points 0.5000 EFTS

**Not offered in 2020**

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

### COSC 480 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

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**COSC480-20S1 (C) Semester 1**

**COSC480-20S2 (C) Semester 2**

### COSC 486 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: COSC 400-level courses

Domestic Fee: \$1,002 (2019)

International Fee: \$4,575 (2019)

**COSC486-19SU2 (C) Summer (Nov 19)**

### COSC 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**COSC690-20A (C) Starts Anytime**

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

### COSC 695 MCom Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**COSC695-20A (C) Starts Anytime**

### COSC 790 Computer Science PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**COSC790-20A (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.*

## Construction Management

### 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

### ENCM 610 Construction Management

15 Points 0.1250 EFTS

**Not offered in 2020**

Organisational roles, organisational influences, human resource systems and strategies, analysis of trends in construction management.

P: Subject to approval of Programme Director

### ENCM 620 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCM620-20A (C) Starts Anytime**

### ENCM 630 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCM630-20A (C) Starts Anytime**

**ENCM 650 Cost Engineering**

15 Points 0.1250 EFTS

Work Break-down Structure; Project Cost Scoping; Cost Databases; Pricing & Indexing; Feasibility & Conceptual Estimating; Quantity Surveying (Earthworks, Pavements, Structures); Variation Order Scoping; Contingencies; Stochastic Estimating; Industry Trends.

RP: BE (Hons) or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCM650-20A (C) Starts Anytime****ENCM 672 Independent Course of Study**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Director of Studies

**ENCM 673 Independent Course of Study**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Director of Studies

**ENCM 674 Site Management**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course will be teaching site engineering and management with a focus on heavy commercial construction using industry case studies. The main topics covered in the course will be site preparation and utilisation; preparing and planning site layout including utility locating and re-locating, site drainage, and dewatering plan, formwork selection and design. Logistics, like crane selection, critical lift planning, and location will be covered. The course will also cover interaction with stakeholders, community disruption avoidance planning, construction daily operations, and building information modelling and applications in the construction process.

*Limited entry. See limitation of entry regulations.***ENCM 676 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.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCM676-20A (C) Starts Anytime***Limited entry. See limitation of entry regulations.***ENCM 682 Research Project**

30 Points 0.2500 EFTS

Special project in Construction Management Engineering

P: Subject to approval of Programme Director

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENCM682-20A (C) Starts Anytime****ENCM 690 Construction Management Thesis**

120 Points 1.0000 EFTS

Construction Management Thesis

P: Subject to approval of Programme Director.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENCM690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.*

# Criminal Justice

*Te Kure Ture | School of Law***CRJU 101 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: LAWS 150

EQ: LAWS 150

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CRJU101-20S1 (C) Semester 1****CRJU 150 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: LAWS 101

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**CRJU150-20S1 (C) Semester 1****CRJU 160 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.

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**CRJU160-20S2 (C) Semester 2****CRJU 201 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: SOCI 218

EQ: SOCI 218

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CRJU201-20S1 (C) Semester 1****CRJU 202 Criminal Law and Procedure**

15 Points 0.1250 EFTS

General principles of criminal law (liability for offences, overview of party liability, inchoate offences and general defences). Major features of criminal procedure (arrest, bail, legal controls on investigation (search warrants etc); commencement of prosecutions; pre-trial and trial procedure; appeals.

P: Either CRJU 101 or LAWS 150

R: LAWS 202

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**CRJU202-20S1 (C) Semester 1****CRJU 210 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: CRJU 101 or LAWS 150



**CRJU 211 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: CHEM 111, CHEM 114, BIOL 112, BIOL 111, BIOL 113

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**CRJU211-20S1 (C) Semester 1****CRJU 301 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: CRJU 202 or LAWS 202.

R: LAWS 337; LAWS 366

RP: CRJU 201/SOCI 218; CRJU 307/LAWS 365

EQ: LAWS 366

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**CRJU301-20S1 (C) Semester 1****CRJU 302 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. CRJU 201 and either ii. CRJU 202 or LAWS 202

R: SOCI 358

EQ: SOCI 358

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CRJU302-20S2 (C) Semester 2****CRJU 304 Research Essay in Criminal Justice**

15 Points 0.1250 EFTS

A Research Essay for students who have a particular interest in some specific aspect of Criminal Justice and a B average in appropriate 200 level courses, sufficient to demonstrate that they are capable of relatively independent research work and scholarly writing.

P: CRJU 201 and either CRJU 202 or LAWS 202, and a further 30 points at 200 level from Schedule C to the Bachelor of Criminal Justice and Head of Department Approval.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CRJU304-20W (C) Whole Year (S1 and S2)****CRJU 307 Issues in Policing, Prosecution and Alternatives to Prosecution**

15 Points 0.1250 EFTS

Policing theories; police powers to arrest and search; prosecution process, diversion, restorative justice; youth justice; alternatives to traditional court prosecution of offenders; Criminal Procedure (Mentally Impaired Persons Act) 2003

P: CRJU 202 or LAWS 202.

R: LAWS 337, LAWS 365

RP: CRJU 201/SOCI 218

EQ: LAWS 365

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**CRJU307-20S1 (C) Semester 1****CRJU 308 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. The sole focus of the course will not necessarily be on New Zealand's Evidence Act 2006 but will seek to place such provisions in the context of both theoretical and comparative international approaches

P: (1) CRJU 202 and 45 additional points at 200 level from Schedule C to the Bachelor of Criminal Justice, or (2) LAWS 202 and 30 additional points at 200 level from Schedule C to the Bachelor of Criminal Justice.

R: LAWS 316, LAWS 307

EQ: LAWS 307

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**CRJU308-20S2 (C) Semester 2****CRJU 309 International Criminal Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: 60 points at 200 level, including either CRJU 202 or LAWS 202, from Schedule C to the Bachelor of Criminal Justice degree regulations.

R: LAWS 321

EQ: LAWS 321

**CRJU 310 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: (1) CRJU 201; and (2) CRJU 202 or LAWS 202.

**CRJU 311 Transnational Criminal Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

Globalised criminal activity has forced states to coordinate their legal responses. This course examines the system of international and domestic laws used by states to suppress transnational criminal activity. First it examines the identification of transnational criminal threats and the development of policy in response. Then it examines the substantive crimes established through treaties. It analyses the contraband offences, crimes of violence and the concept of transnational organised crime. Finally it examines international procedural co-operation. It begins with the foundational issue of jurisdiction and then turns to the steps in that process such as mutual legal assistance and extradition.

P: 60 points at 200 level, including either CRJU 202 or LAWS 202, from Schedule C to the Bachelor of Criminal Justice degree regulations.

R: LAWS 315

EQ: LAWS 315

**CRJU 312 Contemporary Issues in Criminal Law and Procedure**

15 Points 0.1250 EFTS

Selected topics of current importance in criminal law, drawn from the following list: gender issues in criminal law; dealing with insanity and intellectual disability in criminal cases; consent in sexual offences and offences against the person; offences involving alcohol and drugs; self-defence and the use of force in the defence of property; state powers of search and seizure; prosecutorial discretion and the initiation of proceedings; computer crime; terrorism-related offences; changes to pre-trial and trial proceedings including inquisitorial trials; double jeopardy; interference with criminal proceedings (including both offences against justice and contempt of court).

P: 60 points at 200 level, including either CRJU 202 or LAWS 202, from Schedule C to the Bachelor of Criminal Justice degree regulations.

R: LAWS 380

EQ: LAWS 380

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**CRJU312-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**CRJU 601 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$8,950 (2019)

**CRJU601-20S1 (C) Semester 1****CRJU 602 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$8,950 (2019)

**CRJU602-20S1 (C) Semester 1**

**CRJU 603 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$8,950 (2019)

**CRJU603-20S2 (C) Semester 2**

**CRJU 604 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$8,950 (2019)

**CRJU604-20S2 (C) Semester 2**

**CRJU 605 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$8,950 (2019)

**CRJU605-20S2 (C) Semester 2**

**CRJU 680 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 CRJU 680 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.

Domestic Fee: \$3,768 (2019)

International Fee: \$17,900 (2019)

**CRJU680-20W (C) Whole Year (S1 and S2)**

**Mātai Ahurea | Cultural Studies**

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

**CULT 114 Aotearoa - Introduction to New Zealand Treaty Society**

15 Points 0.1250 EFTS

Beginning with the Treaty of Waitangi, this course looks at significant events and issues in the shaping of contemporary New Zealand society. The course will explore issues ranging from early Pakeha settlement, the Treaty of Waitangi, colonisation, the NZ wars through to Māori activism, Treaty settlements and claims to self-determination.

R: MAOR 108, MAOR 113 (prior to 2006)

EQ: MAOR 108

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

**CULT114-19SU2 (D) Summer (Nov 19)**

**CULT114-20S2 (C) Semester 2**

**CULT114-20S2 (D) Semester 2**

**CULT 132 Cultural Studies: Reading Culture**

15 Points 0.1250 EFTS

An introduction to Cultural Studies, emphasising aspects of the field that are most pertinent to English Studies: the textuality of culture, cultural history, and cultural value and taste.

R: ENGL 132

EQ: ENGL 132

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CULT132-20S2 (C) Semester 2**

**CULT 150 Music in Aotearoa New Zealand**

15 Points 0.1250 EFTS

A broad-genre approach to the history of music in and of Aotearoa New Zealand, with particular emphasis on notions of identity in a bicultural society, musical identity, sound and place.

R: MUSA 150

EQ: MUSA 150

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**CULT150-20S2 (C) Semester 2**

**CULT 201 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 will examine the relationship between audiences and media. We will 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 will look at a broad range of media forms (such as television, radio, film, the Internet, social networking, home theatre, cell phones and videogames), and content (including violence, music, reality television, soap operas, news, Facebook, Twitter, and blogs). "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. We will also be intertwining the theory of audiences with a 'live' research exercise which will guide you through the necessary steps to conducting your own research.

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: COMS 201

EQ: COMS 201

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CULT201-20S1 (C) Semester 1**

**CULT 202 Cultural Politics/ Cultural Activism**

15 Points 0.1250 EFTS

The course considers the strategic roles that culture can play in influencing political and social change, studying a wide variety of cultural texts and practices.

P: Any 15 points at 100 level from CULT or ENGL, or any 60 points at 100 level from any subject.

R: ENGL 232

EQ: ENGL 232

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CULT202-20S1 (C) Semester 1**

**CULT 206 From Bambi to Kong: The Animal in Popular Culture**

15 Points 0.1250 EFTS

This course provides an introduction to human-animal studies through an analysis of cinematic representations of animals and the environment across horror and science fiction genres, animation, comedy and documentary.

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: AMST 236, AMST 331, ENGL 243, GEND 213, GEND 311, and ENGL 349

EQ: ENGL 243

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CULT206-20S1 (C) Semester 1**

**CULT 207 Constructing Bodies**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines a variety of body modification and management practices, such as cosmetic surgery, sexual enhancement technologies and body piercing, and considers the ways in which particular forms of embodiment challenge common understandings about bodies, gender and sexuality.

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: GEND 102, FMST 102, GEND 112, AMST 113, CULT 112, AMST 142, GEND 201, SOCI 202

EQ: GEND 201, SOCI 202

**CULT 213 Digital Cultures**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will challenge students to critically assess both digital cultures, and their relationship to them. Students will engage with digital tools they might not have experienced before, and consider how a range of digital tools enable, restrict and/or undermine their role as citizens.

P: Any 15 points at 100 level from CULT or DIGI, or any 60 points at 100 level from the Schedule V of the BA.

R: DIGI 201

EQ: DIGI 201

**CULT 214 Cinematic Sin and Sensuality**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: CINE 223

RP: CINE 101, CINE 102, CINE 104

EQ: CINE 223

**CULT 215 Coming of Age in Global Cinema**

15 Points 0.1250 EFTS

The coming-of-age experience is familiar to all social classes and cultures. Stories of youth after childhood are compellingly represented in films across the globe. In this course, we will examine the representation of adolescence within an international context, focusing primarily on the experience of youth beyond dominant Hollywood. We will closely analyse those films from across the globe that complicate our understanding of adolescent identity by acknowledging its intersection with other kinds of identification - in particular racial, class, national, and that of sexual orientation.

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: CINE 203, CINE 303

RP: CINE 101, CINE 102, CINE 104

EQ: CINE 203, CINE 303

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CULT215-20S1 (C) Semester 1****CULT 219 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 TREQ, or any 60 points at 100 level from the Schedule V of the BA.

R: MAOR 219, POLS 218, POLS 258, HIST 268, SOCI 209, HSRV 207

EQ: MAOR 219, POLS 218, POLS 258, HIST 268, SOCI 209, HSRV 207

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CULT219-20S2 (C) Semester 2****CULT 233 Popular Music in Context**

15 Points 0.1250 EFTS

An exploration of contemporary popular music styles from a range of genres, and their historical significance and wider contexts, including music for film and television, and the rise of music video.

P: Any 15 points at 100 level from CULT or MUSA, or any 60 points at 100 level from the Schedule V of the BA.

R: MUSA 233, MUSA 333

EQ: MUSA 233

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**CULT233-20S2 (C) Semester 2****CULT 252 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: ENGL 252; ENGL 352; CULT 352

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CULT252-20S1 (C) Semester 1****CULT 302 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: MAOR 317, RELS 322, HIST 366

EQ: MAOR 317, RELS 322, HIST 366

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CULT302-20S2 (C) Semester 2****CULT 303 Sexualities in Culture**

30 Points 0.2500 EFTS

This course analyses representations and models of 'normal' and 'abnormal' sexuality as these occur in sexuality, 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: AMST 332, ENGL 332, GEND 307, GEND 211

EQ: ENGL 332

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CULT303-20S1 (C) Semester 1****CULT 310 Sociology of the City**

30 Points 0.2500 EFTS

This course is concerned with the city as it is experienced today: as shifting mixes of public and private spaces in which disruptions provoke different points of view, multiple memories and complex associations.

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

R: SOCI 292, SOCI 392, SOCI 255, CULT 210, SOCI 355

EQ: SOCI 355

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CULT310-20S1 (C) Semester 1****CULT 317 Scream Theory: The Changing Face of Fear**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines shifting representations of the fearful, monstrous and abject in visual culture and popular culture more generally. Emphasis is placed on sociocultural, feminist and postmodern interpretations of horror themes in American, Japanese and New Zealand contexts.

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: AMST 313, ENGL 313, AMST 413, ENGL 413, CULT 417

EQ: ENGL 313

**CULT 319 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: MAOR 301, POLS 331, POLS 358

EQ: MAOR 301, POLS 331, POLS 358

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CULT319-20S2 (C) Semester 2****CULT 322 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: CINE 302

EQ: CINE 302

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CULT322-20S1 (C) Semester 1**

**CULT 333 The Exotic**

30 Points

0.2500 EFTS

**Not offered in 2020**

A course addressing the concept of the exotic as a category of taste and feeling through which to explore the politics and history of literatures in English. Exoticism will be considered via four main sub-categories: primitivism, orientalism, the marvellous and the introduced. A range of texts from the seventeenth to the twenty-first centuries will be studied, deriving from locations as diverse as Britain, Africa, the Indian Subcontinent, Latin America, the Caribbean and the Pacific.

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: ENGL 307, CULT 307, ENGL 333

EQ: ENGL 333

**CULT 335 Reading Animals: Beast Fables to Graphic Novels**

30 Points

0.2500 EFTS

This course explores the role of imagery and narrative in constituting historical and contemporary conceptions of 'animality' and speciesism across a range of texts and media (including bestiaries, folklore and mythology; field guides and natural histories; wildlife documentaries; zoo display; activist art; science fiction and graphic novels; popular gastronomy).

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: ENGL 318

EQ: ENGL 318

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CULT335-20S2 (C) Semester 2****CULT 336 Heroines in History**

30 Points

0.2500 EFTS

**Not offered in 2020**

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: HIST 361, HIST 255

EQ: HIST 361, HIST 255

**CULT 352 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: ENGL 252; ENGL 352; CULT 252

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**CULT352-20S1 (C) Semester 1****PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**CULT 402 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CULT402-20S1 (C) Semester 1****CULT402-20S2 (C) Semester 2****CULT 411 Special Topic**

30 Points

0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

**CULT 412 Special Topic**

30 Points

0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

**CULT 413 Special Topic**

30 Points

0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

**CULT 414 Special Topic**

30 Points

0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

**CULT 416 Constructing Feminist History**

30 Points

0.2500 EFTS

**Not offered in 2020**

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: HIST 440, CULT 404, GEND 412

EQ: HIST 440, CULT 404, GEND 412

**CULT 418 Intersectionalities: Humans, Animals and Otherness**

30 Points

0.2500 EFTS

In recent years, scholars in the humanities have broadened out from a narrow focus on knowledge about 'the human' and begun to investigate wider aspects of the nonhuman material world - especially the relationships between human culture, animals, environments and ecologies. These tendencies - variously labeled ecocriticism, zöocriticism, anthrozoology and Human-Animal Studies (HAS) - are now generating some of the most vigorous and compelling work by researchers in Humanities disciplines. CULT 418 offers an in-depth examination of key areas of this new interdisciplinary field.

P: Subject to approval of the Programme Director.

R: ENGL 411

EQ: ENGL 411

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CULT418-20S2 (C) Semester 2****CULT 419 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 Programme Director.

R: HSRV 407

EQ: HSRV 407

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CULT419-20S2 (C) Semester 2**

**CULT 420 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: MAOR 401

EQ: MAOR 401

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CULT420-20S1 (C) Semester 1****CULT 421 Multispecies Studies**

30 Points 0.2500 EFTS

This course introduces a new subfield of anthropology concerned with the interconnectedness of humans and other life forms. Recognizing that the human condition cannot be understood in isolation, it considers the meaningful agency of nonhuman others and their entanglement with human lives, landscapes and technologies. The course introduces students to cutting-edge studies of mammalian interspecies intimacies, to intersections with insects, fish, fungi, and microbes, to issues of extinction and invasion, and to the implications of other species for human bodies, economies, foods and technologies.

P: Subject to approval of the Programme Director.

R: ANTH 410, SOCI 410

EQ: ANTH 410, SOCI 410

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CULT421-20S2 (C) Semester 2****CULT 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**CULT690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***CULT 790 Cultural Studies PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**CULT790-20A (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.***DATA 301 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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**DATA301-20S1 (C) Semester 1****Tāura | Postgraduate***Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***DATA 401 Statistics**

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

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA401-20S1 (C) Semester 1****DATA401-20S2 (C) Semester 2****DATA401-20X (C) 30 Nov 2020 - 14 Feb 2021****DATA 415 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.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA415-20S2 (C) Semester 2****DATA 416 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.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA416-20S1 (C) Semester 1****DATA 417 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.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA417-20S1 (C) Semester 1****Data Science***School of Mathematics and Statistics***DATA 201 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, MATH or STAT or INFO 125

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**DATA201-20S2 (C) Semester 2****DATA 203 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: MATH 102 and another 15pts of MATH or STAT (excluding MATH 101 and MATH 110).

R: MATH 203 / EMTH 211

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**DATA203-20S1 (C) Semester 1**



**DATA 419 Online Communities and Social Networks**

15 Points 0.1250 EFTS

This course introduces to the analyses of online communities and social networks. Students will learn to formulate scientific questions about the online dynamics and use open software to collect, organize, model, and communicate data from common social networks.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA419-20S2 (C) Semester 2**

**DATA 420 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.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA420-20S1 (C) Semester 1**

**DATA420-20S2 (C) Semester 2**

**DATA 422 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.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA422-20S2 (C) Semester 2**

**DATA 423 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.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA423-20S1 (C) Semester 1**

**DATA423-20S2 (C) Semester 2**

**DATA 428 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.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA428-20S1 (C) Semester 1**

**DATA428-20S2 (C) Semester 2**

**DATA 429 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.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA429-20S1 (C) Semester 1**

**DATA429-20S2 (C) Semester 2**

**DATA 430 Medical Data Informatics**

15 Points 0.1250 EFTS

This course explores statistical models, algorithms, and programming platforms for medical data including imaging, clinical and research text reports, lab results, and patient records.

P: Subject to approval of the Head of Department of Computer Science and Software Engineering.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA430-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

**DATA 472 Special Topic**

15 Points 0.1250 EFTS

P: Subject to the approval of the Head of School

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA472-20S1 (C) Semester 1**

**DATA472-20S2 (C) Semester 2**

**DATA 473 Special Topic**

15 Points 0.1250 EFTS

P: Subject to the approval of the Head of School

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**DATA473-20S1 (C) Semester 1**

**DATA473-20S2 (C) Semester 2**

**DATA 474 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department of Mathematics and Statistics.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA474-20S1 (C) Semester 1**

**DATA474-20S2 (C) Semester 2**

**DATA 475 Special Topic: Mixed Reality**

15 Points 0.1250 EFTS

Through the use of technologies such as wearable displays, a person's perception of the real world can be enhanced to create an experience known as Augmented Reality (AR), or even be completely replaced with a computer generated Virtual Reality (VR). These computer mediated realities together are known as Mixed Reality. This course explores cutting edge technologies for AR and VR experiences and applications, including presenting and interacting with large complex datasets. In order to analyse and process the ever-increasing amount and complexity of digital data, such new methods are required to visualise, analyse and interact with this information.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA475-20S1 (C) Semester 1**

**DATA 476 Special Topic: Information is Beautiful**

15 Points 0.1250 EFTS

This course will introduce students to the truthful art of visualizing data. The students will use an iterative design process to create visualizations that are truthful, functional, beautiful, insightful and enlightening. The lectures will consist of presentations, critiques, in-class exercises and discussions. This course will enable students to select appropriate visualization methods for their data and solve practical data science communication problems. They will consider the context and the intended reader to focus the story their data will tell. The students will learn to use the Tableau software, which will be made available for their own computers within the framework of this course. The course will provide a supportive environment in which students can experiment with the aesthetics of data visualization. Students will need to be familiar with basic data manipulation principles and the process of data gathering and cleaning.

P: Subject to approval of the Head of Department of Mathematics and Statistics.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**DATA476-20S2 (C) Semester 2**

**DATA 480 Research Project**

30 Points 0.2500 EFTS

Project

P: Subject to the approval of the Programme Director

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**DATA480-20W (C) Whole Year (S1 and S2)**

**DATA480-20CY (C) Cross Year**

**DATA 601 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

Domestic Fee: \$2,826 (2019)

International Fee: \$11,513 (2019)

**DATA601-20A (C) Starts Anytime**

**DATA601-20X (C) 16 Nov 2020 - 14 Feb 2021**

**DATA 690 MSc thesis**

120 Points

1.0000 EFTS

P: Subject to the approval of the Programme Director

Domestic Fee: \$7,535 (2019)

International Fee: \$30,700 (2019)

**DATA690-20A (C)**

Starts Anytime

## Digital Humanities

*Te Kura Kete Aronui | School of Humanities and Creative Arts***DIGI 101 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

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**DIGI101-20S1 (C)**

Semester 1

**DIGI 102 Computers, Artificial Intelligence, and the Information Society**

15 Points

0.1250 EFTS

**Not offered in 2020**

Our art, culture, politics, society, and economy are powered by computing machines. This course will provide an outline history of computing from the 1930s to the present day, and offers students an introduction to the foundations of computing and information processing, as well as to the corporations who sell us our devices and software, and to moral, philosophical and ethical issues fundamental to information, information-processing, and the information society. The course also examines Artificial Intelligence: what is AI and can it be achieved? How could you tell whether a computer has a mind? Is the human brain in fact a computer? In addition, some specifically Māori computing initiatives will be described and placed in their philosophical context.

R: PHIL 137, POLS 137

EQ: PHIL 137, POLS 137

**DIGI 103 Statistics 1**

15 Points

0.1250 EFTS

An introduction to the ideas, techniques and applications of statistics and probability.

R: STAT 101

EQ: STAT 101

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**DIGI103-20S1 (C)**

Semester 1

**DIGI103-20S2 (C)**

Semester 2

**DIGI 121 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 COSC 122 and all 200 level COSC and SENG courses.

R: COSC 123

EQ: MUSA 125

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**DIGI121-20S1 (C)**

Semester 1

**DIGI121-20S2 (C)**

Semester 2

**DIGI 125 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: MUSI 125, MUSA 125

EQ: MUSA 125

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**DIGI125-20S1 (C)**

Semester 1

**DIGI 201 Digital Cultures**

15 Points

0.1250 EFTS

**Not offered in 2020**

This course will challenge students to critically assess both digital cultures, and their relationship to them. Students will engage with digital tools they might not have experienced before, and consider how a range of digital tools enable, restrict and/or undermine their role as citizens.

P: Any 15 points at 100 level from COMS, CULT, DIGI, ENGL, or PHIL, or any 60 points at 100 level from the Schedule V of the BA.

R: CULT 213

EQ: CULT 213

**DIGI 202 Cyberspace, Cyborgs, and the Meaning of Life**

15 Points

0.1250 EFTS

This course investigates a raft of questions - concerning mind, metaphysics, knowledge and human nature - thrown up by the ongoing revolution in information technology. These include: Might I attain immortality by porting myself into cyberspace? Am I already in cyberspace? Is the universe nothing but a computer? Should we fear a forthcoming Age of Robots? Is my iPhone part of my mind? Could a computer ever be programmed to be creative and intelligent, and to equal or exceed the problem solving capacities of the human brain?

P: Any 15 points at 100 level from COSC, DIGI, MATH, or PHIL, or any 60 points at 100 level from the Schedule V of the BA.

R: PHIL 235, PHIL 335, DIGI 302

EQ: PHIL 235

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**DIGI202-20S1 (C)**

Semester 1

**DIGI202-20S1 (D)**

Semester 1

**DIGI 204 Communicating with Data and Digital Media**

15 Points

0.1250 EFTS

This course introduces data analysis for communication professionals, with a particular focus on digital tools and methodologies for data collection, preparation, analysis and visualisation. The course focuses on understanding the assumptions and context of data collection and analysis, and aims to foster an ability to critically evaluate data-driven social research and communication.

P: Any 60 points at 100-level.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**DIGI204-20S1 (C)**

Semester 1

**DIGI 205 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: GEOG 205

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**DIGI205-20S1 (C)**

Semester 1

**DIGI 207 Social Media**

15 Points

0.1250 EFTS

This 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 will include networks, convergence culture, privacy and new forms of public life. In the second half of the course students will apply these ideas in a community or workplace environment. This course involves community and work-integrated learning.

P: Any 15 points at 100 level from COMS or DIGI, or any 60 points at 100 level from the Schedule V of the BA.

R: COMS 222, COMS 207

EQ: COMS 207

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**DIGI207-20S1 (C)**

Semester 1

**DIGI 210 Big Data in society: Navigating Concepts, Methods and Critical Perspectives**

15 Points

0.1250 EFTS

**Not offered in 2020**

Big Data has gained significant attention within the last decade. But what really is Big Data? This course will look at the epistemology and central methods of Big Data. The focus is both theoretical and practical, first delving into the concept of Big Data, including how to conceive data-driven approaches and potential solutions, and then exploring simple ways to use the abundance of digital data sources to analyze, visualize and tell stories with data. Part of the course also involves knowing the limitations of Big Data and learning to critically assess data-driven methods.

P: Any 60 points at 100 level.

**DIGI 221 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: Maori 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: COSC 101 or COSC 121 or PROD 121 or DIGI 101.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**PROD221-20S1 (C) Semester 1**

**DIGI 223 Text Analytics**  
 15 Points 0.1250 EFTS  
 This course introduces quantitative methods for understanding the vast amount of information and human knowledge that has been stored in the form of text data.  
 P: 15 points at 100 level from LING or DIGI. Recommended preparation: COSC 121 or INFO 125 or equivalent experience  
 R: LING 223  
 RP: COSC 121 or INFO 125 or equivalent experience  
 EQ: LING 223  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**DIGI223-20S1 (C) Semester 1**

**DIGI 224 Language and Space**  
 15 Points 0.1250 EFTS  
 Bringing together sociolinguistics and human geography, this course uses data analysis to explore the interaction between language and space.  
 P: Any 15 points at 100 level from LING, GEOG or DIGI.  
 R: GEOG 224, LING 224  
 EQ: GEOG 224, LING 224  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**DIGI224-20S2 (C) Semester 2**

**DIGI 301 Reading Digitally: Electronic Texts in Literary Culture**  
 30 Points 0.2500 EFTS  
**Not offered in 2020**  
 Digital technologies have influenced literary reading and writing at every level, including how we author, publish, distribute, read and study texts. This course equips students with skills for reading and writing in the digital age via a wide-ranging exploration of new media literatures, literature in relation to software cultures, changes to reading practices and cognition, and recent digital research tools and methods. The course will introduce students to new software and some technical concepts, but no special skills or knowledge are required.  
 P: Any 30 points at 200 level from DIGI or ENGL, or any 60 points at 200 level from the Schedule V of the BA.  
 R: ENGL 345  
 EQ: ENGL 345

**DIGI 302 Cyberspace, Cyborgs, and the Meaning of Life**  
 15 Points 0.1250 EFTS  
 This course investigates a raft of questions - concerning mind, metaphysics, knowledge and human nature - thrown up by the ongoing revolution in information technology. These include: Might I attain immortality by porting myself into cyberspace? Am I already in cyberspace? Is the universe nothing but a computer? Should we fear a forthcoming Age of Robots? Is my iPhone part of my mind? Could a computer ever be programmed to be creative and intelligent, and to equal or exceed the problem solving capacities of the human brain?  
 P: Any 30 points at 200 level from COSC, DIGI, MATH, or PHIL, or any 60 points at 200 level from the Schedule V of the BA.  
 R: PHIL 235, PHIL 335, DIGI 202  
 EQ: PHIL 335  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**DIGI302-20S1 (C) Semester 1**

## Tāura | Postgraduate

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

**DIGI 401 Digital Methods**  
 30 Points 0.2500 EFTS  
**Not offered in 2020**  
 This course provides a foundation in digital methods for the arts, humanities, and social sciences. Students are offered overviews of a broad range of digital practices and techniques, with a focus on reading, writing, building, and discussion. The course is recommended to students interested in developing digital research skills to augment their Honours major, or those interested in pursuing digital research at more advanced postgraduate levels.  
 P: Subject to approval of the Programme Coordinator

**DIGI 402 The Digital Modern: Humanities and New Media**  
 30 Points 0.2500 EFTS  
**Not offered in 2020**  
 This course challenges students to apply humanistic methods to the burgeoning field of New Media and digital technologies. It explains the underlying technologies and business processes that power contemporary digital culture, and provides introductory overviews of subjects as varied as cybernetics, network theory, digital hyper-reality, social media, knowledge economies, piracy and the ethics of closed and open systems. While placing an emphasis on the engineered nature of new media, the course doesn't teach programming, instead focusing on history, criticism and critique.  
 P: Subject to approval of the Programme Coordinator.

**DIGI 403 Digital Project**  
 30 Points 0.2500 EFTS  
**Not offered in 2020**  
 An applied course designed to help students develop their own digital projects. No technical background is required. Students will acquire valuable transferable skills, learn how to apply digital tools and methods to research questions, and understand how scholarly knowledge can be delivered through digital channels.  
 P: Subject to approval of the Programme Coordinator.

**DIGI 404 Digital Humanities Research Methods 1**  
 15 Points 0.1250 EFTS  
**Not offered in 2020**  
 Digital Humanities brings digital tools and methods to the study of culture and society. This course will introduce and reflect on key methods emerging in digital humanities research and digital cultural heritage practice, focusing on how digital objects and collections are described, accessed, managed and re-used. It considers the cultural and technical contexts relevant when creating, using and evaluating digital resources. The course is taught through a combination of practical workshops, lectures and group discussion.  
 P: Subject to approval of the Programme Coordinator.  
 R: DIGI 401

**DIGI 405 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.  
 Domestic Fee: \$942 (2019)  
 International Fee: \$3,838 (2019)  
**DIGI405-20S1 (C) Semester 1**  
**DIGI405-20S2 (C) Semester 2**

**DIGI 480 Research Essay**  
 30 Points 0.2500 EFTS  
**Not offered in 2020**  
 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.

# 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

## DRRE 401 Introduction to Disaster Risk and Resilience

15 Points 0.1250 EFTS

The DRRE 401 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: HAZM 401

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**DRRE401-20S1 (C) Semester 1**

## DRRE 402 Natural Hazard Risk Assessment

15 Points 0.1250 EFTS

The DRRE 402 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: HAZM 410, ENCI 601

RP: 100-level statistics

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**DRRE402-20S1 (C) Semester 1**

**DRRE402-20X (C) 27 Apr 2020 - 31 May 2020**

## DRRE 403 Disaster Risk and Resilience Applications

15 Points 0.1250 EFTS

The DRRE 403 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: HAZM 403

RP: DRRE 401

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**DRRE403-20S2 (C) Semester 2**

## DRRE 404 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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**DRRE404-20S1 (C) Semester 1**

**DRRE404-20S2 (C) Semester 2**

## DRRE 405 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

An opportunity for students to explore topic areas in the field of disaster risk and resilience that are not addressed in other courses, with guidance and support from Disaster Risk and Resilience teaching staff.

P: Subject to approval of the Programme Director

## DRRE 408 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: HAZM 408

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**DRRE408-20S1 (C) Semester 1**

## DRRE 690 Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**DRRE690-20A (C) Starts Anytime**

## DRRE 691 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

Domestic Fee: \$3,974 (2019)

International Fee: \$19,200 (2019)

**DRRE691-20CY (C) Cross Year**

## DRRE 790 Disaster Risk and Resilience PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**DRRE790-20A (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.*

# Earthquake Engineering

*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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

## ENEQ 610 Engineering Seismology

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: ENCI 617

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ610-20A (C) Starts Anytime**

## ENEQ 620 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: ENCI 620

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ620-20A (C) Starts Anytime**

## ENEQ 622 Nonlinear Structural and Finite Element Analysis

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department or the Programme Director.

**ENEQ 623 Finite Element Analysis of Structures**

15 Points 0.1250 EFTS

Finite element analysis is a numerical method ubiquitously employed in engineering research and practice to solve boundary value problems governed by partial differential equations, e.g., structural analysis, heat transfer, fluid flow, mass transport, and electromagnetism. This course focusses on the application of the finite element method to the analysis of structural and geotechnical systems modelled as framed and continuum structures, thereby catering to the interests of structural, geotechnical, and mechanical engineers.

P: Subject to approval of the Head of Department or the Programme Director

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ623-20A (C) Starts Anytime****ENEQ 624 Nonlinear Structural Analysis**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

R: ENEQ 622

**ENEQ 629 Special Topic: Seismic Soil Structure Interaction**

15 Points 0.1250 EFTS

The objective of this course is to provide graduate students and practicing engineers with the fundamental concepts and theory of seismic soilstructure interaction (SSI), with special focus on the analytical and numerical tools currently available to model such problems in earthquake engineering practice. Although the course touches upon all aspects of the theory and the modeling for seismic problems, emphasis will be on the basic concepts, including elements of vibration theory, wave propagation in the ground and wave interaction with foundations and structures, and the interaction of small and large-scale foundations and buildings erected on compliant soil. Both linear and non-linear aspects of modeling will be covered. Topics: 1. Inertial interaction (system behaviour, impedance functions) 2. Kinematic interaction (slab averaging, embedment effects, piles foundations, use of transfer functions) 3. Applications (force-based methods, displacement based methods, response history analysis) Embedded structures (retaining walls, tunnels and culverts)

P: Subject to approval of the Head of Department or Programme Co-ordinator

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ629-20X (C) 20 Jan 2020 - 05 Apr 2020****ENEQ 633 Special Topic: Advanced Timber Structures**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department or the Programme Director.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ633-20A (C) Starts Anytime****ENEQ633-20S2 (C) Semester 2****ENEQ 634 Special Topic: Seismic Performance of Non-Structural Elements**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will focus on the classification of non-structural building elements and their performance in earthquakes. Seismic analysis of non-structural building elements will be conducted using direct and cascading methods. Current regulations and guidelines for seismic design and non-structural elements from North America, Europe and New Zealand will be examined. Cased studies will be reviewed to illustrate seismic performance and fragility of specific non-structural building elements and systems.

P: Subject to approval of the Head of Department or the Programme Director.

**ENEQ 640 Displacement-based Design of Low Damage Structures**

15 Points 0.1250 EFTS

Alternative design philosophies and solutions for the seismic design of low-damage structures. Analysis and design criteria for buildings. Introduction to base-isolation, viscous dampers, PRESS-Technology and the hybrid (rocking-dissipative) system concept. Introduction to and application of Displacement Based Design (DBD). Simplified modelling techniques using lumped plasticity approach. 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: ENCI 615

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ640-20A (C) Starts Anytime****ENEQ 641 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ641-20A (C) Starts Anytime****ENEQ 642 Seismic Assessment and Retrofit Strategies for Existing Reinforced Concrete Buildings**

15 Points 0.1250 EFTS

**Not offered in 2020**

Seismic assessment procedures. Failure mechanisms and experimental evidence. Numerical investigation of reinforced-concrete-infilled frames. Modelling techniques. Overview of alternative retrofit strategies. Use of fibre-reinforced polymers. Flexural, shear and confinement upgrading. Diagonal metallic haunches, external walls, post-tensioned walls, selective weakening.

P: Subject to approval of Head of Department.

R: ENEQ 692

RP: Post-graduate admission and approval of the departmental Director of Post-graduate Studies. Undergraduate background in earthquake engineering is expected.

**ENEQ 650 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: ENCI 423 and ENCI 429 or approval of Head of Department or Programme Director.

R: ENCI 611

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ650-20A (C) Starts Anytime****ENEQ 670 Seismic Bridge Engineering**

15 Points 0.1250 EFTS

**Not offered in 2020**

History of bridges, construction techniques for viaducts, grid decking and box girder systems, creep, shrinkage and differential temperature, lessons learnt from earthquake failures and design issues, longitudinal and transversal seismic design with force and displacement approach, seismic design of bridge substructure, low damage technologies, seismic isolation, advanced non linear modelling, seismic assessment and retrofit techniques.

P: Subject to approval of the Head of Department or Programme Director

**ENEQ 680 Seismic Performance and Loss Estimation**

15 Points 0.1250 EFTS

**Not offered in 2020**

Seismic performance and loss assessment of structural systems. Quantifying seismic hazard, seismic response, component damage, and component loss for specific structures as well as a probabilistic frameworks to account for uncertainties. All aspects of the course will focus on case-studies to illustrate the relevant theoretical details as well as the role of loss assessment in decision-making.

P: Subject to approval of the Head of Department or Programme Director

**ENEQ 681 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department or Programme Director.

**ENEQ 682 Special topic: 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.

P: Subject to approval of the Head of Department or the Programme Director.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEQ682-20A (C) Starts Anytime****ENEQ 690 Earthquake Engineering ME Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department or Programme Director

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENEQ690-20A (C) Starts Anytime**



## Ecology

### ENEQ 790 Earthquake Engineering PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department or Programme Director

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

ENEQ790-20A (C) Starts Anytime

## Ecology

*Te Kura Pūtaiao Kōiora | School of Biological Sciences*

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### ECOL 480 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 BIOL 434-493.

P: Subject to approval of the Head of School.

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

ECOL480-20W (C) Whole Year (S1 and S2)

### ECOL 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$8,459 (2019)

International Fee: \$38,400 (2019)

ECOL690-20A (C) Starts Anytime

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

### ECOL 790 PhD Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$8,459 (2019)

International Fee: \$38,400 (2019)

ECOL790-20A (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.*

## Economics

*Department of Economics and Finance*

### ECON 104 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: ECON 199

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON104-20S1 (C) Semester 1

ECON104-20S2 (C) Semester 2

### ECON 105 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.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON105-20S1 (C) Semester 1

ECON105-20X (D) 24 Feb 2020 - 29 Nov 2020

ECON105-20S2 (C) Semester 2

### ECON 206 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: ECON 104 and ECON 105

R: ECON 201

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON206-20S2 (C) Semester 2

### ECON 207 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: ECON 104

R: ECON 202, ECON 203

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON207-20S1 (C) Semester 1

### ECON 208 Intermediate Microeconomics - Firms and Markets

15 Points 0.1250 EFTS

ECON 208 is one of two intermediate microeconomics courses which build on the concepts learned in ECON 104. 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: ECON 104

R: ECON 202, ECON 203

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON208-20S2 (C) Semester 2

### ECON 213 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: (i) ECON 104 or ECON 105; and (2) 15 points from STAT.

R: ECON 214

RP: MATH 101 or Year 13 Math with Calculus.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON213-20S1 (C) Semester 1

### ECON 214 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: (i) ECON 104 or ECON 105; and (2) 15 points from STAT

R: ECON 213

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON214-20S1 (C) Semester 1

### ECON 222 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: ECON 104

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON222-20S1 (C) Semester 1

### ECON 223 Introduction to Game Theory for Business, Science and Politics

15 Points 0.1250 EFTS

ECON 223 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 105 points

Domestic Fee: \$806 (2019)

International Fee: \$3,513 (2019)

**ECON223-19SU2 (C) Summer (Nov 19)**

### ECON 225 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: ECON 104

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON225-20S2 (C) Semester 2**

### ECON 228 Study Tour to South America

15 Points 0.1250 EFTS

This course examines an industry in Canterbury and in South America during a 4-week study tour. Students will be expected to apply economic thinking to address issues in this industry. Students will learn some basic Spanish and interact with South American students and businesses.

P: (1) ECON 104 (2) Subject to the Head of Department approval.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON228-20SU1 (C) Summer (Jan 20)**

Limited entry. See limitation of entry regulations.

### ECON 310 Economic Thinking for Business

15 Points 0.1250 EFTS

In this course students have an ability to practice being an economist by engaging in two consulting projects where they apply economic thinking and methods to problems facing real businesses and organisations. Each project involves research for the client, writing a consulting report and presenting the findings to the client and the class, all completed in groups of 3-4 students. ECON 310 is a compulsory capstone course for the Business Economics major although any student with the pre-requisites can enrol. This course requires active face-to-face participation and attendance in workshops is mandatory. Students who are not present in the first class without prior approval may not be able to complete the first of the two projects.

P: (1) ECON 207; and (2) ECON 208; and (3) ECON 213 or ECON 214

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON310-20S2 (C) Semester 2**

### ECON 314 Economic Analysis of "Big Data"

15 Points 0.1250 EFTS

With the decrease of the cost of storing data, both the size and the variety of available data has increased dramatically. In this course, we will discuss how such 'big data', and the 'artificial intelligence' that may result from it, is affecting both the economy itself and how the economy can be analysed. We will analyse the impact of big data and artificial intelligence on the economy through various examples of how businesses and governments can benefit from big data and artificial intelligence, but also of how big data and artificial intelligence can be abused by them. We also discuss how big data and artificial intelligence has created new ways to analyse the economy, by providing new ways to collect data (for example, web scraping) and by creating new types of data (for example, Google Trend/Correlate data, Text data and Image data) that can be used to analyse the economy.

P: (1) ECON 105; and (2) ECON 213 or ECON 214

Domestic Fee: \$919 (2019)

International Fee: \$3,938 (2019)

**ECON314-20S2 (C) Semester 2**

### ECON 321 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) ECON 207; and (2) MATH 102 or MATH 199; and (3) 15 points from STAT

RP: ECON 208

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON321-20S1 (C) Semester 1**

### ECON 323 Time Series Methods

15 Points 0.1250 EFTS

Analysis of sequentially collected data including data modelling and forecasting techniques.

P: (1) ECON 213; and (2) ECON 207 or FINC 205; and (3) MATH 102

R: FINC 323, STAT 317

EQ: FINC 323, STAT 317

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON323-20S2 (C) Semester 2**

### ECON 324 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) ECON 213 or STAT 202; and (2) MATH 102 or MATH 199

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON324-20S1 (C) Semester 1**

### ECON 325 Macroeconomic Analysis

15 Points 0.1250 EFTS

**Not offered in 2020**

ECON 325 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) ECON 105; and (2) ECON 208; and (3) ECON 321

R: ECON 201

### ECON 326 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) ECON 206; (2) MATH 102 or MATH 199.

RP: ECON 207

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON326-20S2 (C) Semester 2**

### ECON 327 Economic Analysis of Law

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to the law of property and contracts as systems for allocating resources.

P: ECON 207

### ECON 329 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON329-20S1 (C) Semester 1**

### ECON 330 Strategic Behaviour of Firms

15 Points 0.1250 EFTS

**Not offered in 2020**

Business strategies and market power. Price discrimination, tie-in sales, quality, durability, predatory pricing, vertical integration and restraints. Information, advertising and disclosure. Network economics.

P: ECON 208

## Economics

### ECON 331 Financial Economics

15 Points 0.1250 EFTS

The economics of finance with applications to asset valuation, corporate finance, and portfolio management.

P: (1) ECON 207; and (2) FINC 201; and (3) MATH 102 or MATH 199;

R: FINC 331

RP: FINC 205 or MATH 103

EQ: FINC 331

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON331-20S2 (C) Semester 2

### ECON 332 Economics and Psychology

15 Points 0.1250 EFTS

Not offered in 2020

Economics and Psychology will discuss both how psychological insights and experimental methods may be brought to bear on the understanding of economic phenomena, especially in situations with strategic interaction. A mixture of theoretical developments and experimental results will be dealt with.

P: ECON 207

### ECON 333 Experimental Economics

15 Points 0.1250 EFTS

An introduction to experimental economics research methods for testing economic theory. Includes the design of laboratory experiments and the analysis of data. Applications will be made to areas such as public, environmental and labour economics, industrial organisation, and individual decision making.

P: ECON 207

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON333-20S1 (C) Semester 1

### ECON 334 Labour Economics

15 Points 0.1250 EFTS

Not offered in 2020

Labour economics studies how workers and employers interact in firms, organizations, and markets. This course will examine theories and empirical evidence of topics such as labour supply and demand, wage determination, collective bargaining, unemployment, labour force participation, immigration, discrimination, human capital, and employment law.

P: ECON 208.

RP: ECON 206

### ECON 335 Public Economics 1

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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON335-20S1 (C) Semester 1

### ECON 338 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON338-20S1 (C) Semester 1

### ECON 339 The Economics of European Integration

15 Points 0.1250 EFTS

Not offered in 2020

Since the Treaty of Rome in 1957, the European Union (EU) has grown from a small customs union with six member states to become the largest integrated market in the world, with 28 members, more than 500 million citizens and a combined gross domestic product larger than that of the United States. This course provides an economic analysis of the processes and policies which have driven Europe's economic and political integration, exploring the implications of a single market in which goods and services, labour and capital can move freely.

P: Any 30 points at 200 level in EURA or ECON, or any 60 points at 200 level from the Schedule V of the BA

R: EURO 339, EURA 339

EQ: EURA 339

### ECON 340 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON340-20S2 (C) Semester 2

### ECON 341 Economics of Education

15 Points 0.1250 EFTS

Not offered in 2020

This course uses economic tools to help students understand how and why people make decisions to invest in education, the effect of education on long-term social and economic outcomes, the behaviour of institutions that "produce" education (including why governments might have a role in the education sector), how it is financed, the market for teachers, the role of education in economic development and how best to design and implement public policies affecting the level and distribution of education resources.

P: ECON 207 or ECON 208

### ECON 342 Economic History

15 Points 0.1250 EFTS

Not offered in 2020

This course examines how production and trade have been central to the economic and social organisation of humanity. We study the causes and consequences of the Three Great Transformations: language, agriculture, and the commercial and industrial revolutions that began in the 16th century. What can we learn from the economic rise of England? What can our economic history teach us about our economic future?

P: (1) ECON 104; and (2) ECON 105; and (3) ECON 206 or ECON 207

### ECON 343 The Economics of Innovation, Creativity and Intellectual Property

15 Points 0.1250 EFTS

Not offered in 2020

An economic analysis of the incentive effects of intellectual property protection on the processes of innovation and creativity. Both patentable and copyrightable intellectual property are analysed. This course will include detailed coverage of the effects of the recent introduction of digital technologies for copyrightable content.

P: ECON 208

RP: MATH 102 or MATH 199

### ECON 344 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: ECON 206 or FINC 201 or FINC 203

R: ECON 210 and FINC 315 and FINC 344

RP: 15 points in MATH or Year 13 Math with Calculus

EQ: FINC 344

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

ECON344-20S2 (C) Semester 2

### ECON 345 The Economics of Risk and Insurance

15 Points 0.1250 EFTS

Not offered in 2020

This course analyses the nature and problem of risk and uncertainty and consumers preferences regarding risk and risk taking. It examines the basic principles of risk and insurance, and the description of the characteristics of main types of insurance, (both life and general). The course includes an introduction to the structure and operation of insurance markets, (both local and international) and the function of insurance firms within the financial system. It covers the general principles of insurance underwriting and pricing, claims management and claims reserving process within the regulatory regime of the insurance industry.

P: ECON 207

RP: ECON 208

EQ: FINC 345

**ECON 390 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) ECON 208; and (2) Subject to the Head of Department approval

R: FINC 390, ARTS 395, PACE 395

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**ECON390-20S1 (C) Semester 1****ECON390-20S2 (C) Semester 2****PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**ECON 610 Directed Readings in Economics 1**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON610-20S1 (C) Semester 1****ECON610-20S2 (C) Semester 2****ECON 613 Directed Readings in Economics II**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON613-20S1 (C) Semester 1****ECON613-20S2 (C) Semester 2****ECON 614 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: STAT 456

EQ: STAT 456

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON614-20S2 (C) Semester 2****ECON 615 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.

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON615-20S1 (C) Semester 1****ECON 616 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

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON616-20S1 (C) Semester 1****ECON 617 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

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON617-20S2 (C) Semester 2****ECON 618 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

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON618-20S2 (C) Semester 2****ECON 622 Advanced Financial Economics**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines modern research in financial economics. Topics covered include risk, portfolio theory, asset allocation and multi-period asset pricing.

P: Subject to approval of the Head of Department.

R: FINC 622

EQ: FINC 622

**ECON 631 Advanced Econometrics**

15 Points 0.1250 EFTS

In econometrics, one often gives a causal interpretation to estimated coefficients.

Unfortunately, in most cases such causal interpretation is not warranted. In this course, we will focus on the difference between causality and correlation and study analytical approaches that aim for causal estimates. Techniques covered include randomized controlled trials / experiments, matching estimators, regression discontinuity design, difference-in-difference estimators, instrumental variable estimators, event studies, and synthetic control estimators. The course will cover both theory and applications using R.

P: Subject to approval of the Head of Department.

R: ECON 601

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON631-20S2 (C) Semester 2****ECON 635 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: ECON 605

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON635-20S1 (C) Semester 1**

**ECON 641 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: FINC 641

EQ: FINC 641

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON641-20S2 (C) Semester 2****ECON 642 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

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON642-20S1 (C) Semester 1****ECON 643 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: FINC 643

RP: ECON 344 or FINC 344

EQ: FINC 643

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON643-20S1 (C) Semester 1****ECON 644 Microeconomics I**

15 Points 0.1250 EFTS

A course in advanced microeconomic theory, covering the topics of consumer theory and decision making, production decisions, market and price theory analysis, and simple general equilibrium models. The emphasis is on using mathematical techniques to analyse microeconomic problems.

P: Subject to approval of the Head of Department

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON644-20S1 (C) Semester 1****ECON 645 Contract Theory**

15 Points 0.1250 EFTS

**Not offered in 2020**

The design of contracts from an economic perspective and how their design is affected by various factors. Such factors include hidden actions within a transaction; the characteristics of participants and the ability to signal and hide such characteristics; the impact of time and repeated contracts; and when some aspects of a transaction cannot be described, monitored, verified, or enforced.

P: Subject to approval of the Head of Department

**ECON 653 Public Economics**

15 Points 0.1250 EFTS

**Not offered in 2020**

The application of economic tools and methodology to the study of public decision-making. Why do we have government? How can we aggregate individual preferences to make social choices? How might political institutions influence such aggregation? In addressing these questions, topics examined include: the emergence of government; the effects of legislative structures on outcomes; the role of interest groups as compared to that of the median voter; rent-seeking; bureaucracy; regulation; and the size and scope of government.

P: Subject to approval of the Head of Department

**ECON 654 Industrial Organisation**

15 Points 0.1250 EFTS

**Not offered in 2020**

The application of microeconomic theory to the study of imperfectly competitive markets and the behaviour of firms within these markets. Topics covered include: market power and its limits; monopoly decisions: bundling, advertising, price discrimination and vertical restraints; strategic interaction: price and quantity competition, product differentiation, entry, accommodation and entry deterrence.

P: Subject to approval of the Head of Department

**ECON 655 Environmental Economics**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will apply microeconomic theory and welfare economics to the management and stewardship of the environment. We will begin by reviewing the ethical framework of welfare economics and its relation to concepts of sustainability. We will use welfare economics to frame the problems posed by public and common property goods, and by externalities more generally. We will see how welfare economics is applied to the problems posed by such goods using cost-benefit analysis. This framework will enable us to address diverse environmental problems. For example, how can we place a comparable value on environmental benefits? How much pollution of the air and water should we tolerate, and how can we reduce pollution to such levels in the least costly way? Can there be effective pollution control when individual contributions cannot be observed? What is economics contributing to the study of global warming, or the effects of trade liberalisation on the environment?

P: Subject to approval of the Head of Department

**ECON 657 International Trade**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

**ECON 658 Health Economics**

15 Points 0.1250 EFTS

The application of microeconomic and empirical tools to the study of health and medical care. Topics covered include: the differences between health care markets and other markets; the asymmetric relationships between patients, insurance companies, and physicians; the production of health; the effects of various policies and treatment regimens; health-related behaviour, including addiction; and the supply side of the health care market.

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON658-20S2 (C) Semester 2****ECON 659 Development Economics**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

**ECON 665 Welfare Economics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Welfare economics deals with the interaction between "positive economics" (i.e. statements of what will happen under different policies) and "normative economics" (statements about what policies should be followed). Welfare economics considers how value judgements involving interpersonal comparisons can be incorporated into the basic framework of positive economics in order to reach normative conclusions.

P: Subject to approval of the Head of Department

**ECON 667 Behavioural Economics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Behavioural economics studies how psychological insights and experimental methods may be brought to bear on the understanding of economic phenomena, especially in situations with strategic interaction. Material covered includes influential theoretical developments and experimental results in the field of behavioural economics.

P: Subject to approval of the Head of Department.

**ECON 668 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.

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**ECON668-20S2 (C) Semester 2**



**ECON 670 Special Topic**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Subject to Approval by the Head of Department.

**ECON 679 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: FINC 679

Domestic Fee: \$901 (2019)

International Fee: \$3,738 (2019)

**ECON679-19SU2 (C)** Summer (Nov 19)**ECON679-20S1 (C)** Semester 1**ECON679-20S2 (C)** Semester 2**ECON 680 Research Exercise**

30 Points

0.2500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**ECON680-20W (C)** Whole Year (S1 and S2)**ECON 690 MA Thesis**

120 Points

1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**ECON690-20A (C)** Starts Anytime*Part-time enrolment (0.65 EFTS) is available on approval.***ECON 691 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: ECON 680

Domestic Fee: \$3,676 (2019)

International Fee: \$15,750 (2019)

**ECON691-20A (C)** Starts Anytime**ECON 695 MCom Thesis**

120 Points

1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**ECON695-20A (C)** Starts Anytime**ECON 699 MSc Thesis**

120 Points

1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**ECON699-20A (C)** Starts Anytime**ECON 790 Economics PhD**

120 Points

1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**ECON790-20A (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.*

# Kaupapa Akoranga | 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](http://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/](http://www.education.canterbury.ac.nz/coursegroups/).***CHCH 101 Strengthening Communities through Social Innovation**

15 Points

0.1250 EFTS

CHCH 101 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**CHCH101-20S2 (C)** Semester 2**CHCH101-20S2 (D)** Semester 2**COUN 671 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.

R: CFPY 604, EDUC 461, EDEM 664, HLTH 481

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**COUN671-20W (C)** Whole Year (S1 and S2)**COUN 672 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: COUN 675

R: EDEM 671, EDEM 672

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**COUN672-20W (D)** Whole Year (S1 and S2)**COUN 673 Professional Counselling Practice II (Part A) (PT)**

15 Points

0.1250 EFTS

**Not offered in 2020**

This course aims to provide the context in which students can demonstrate their counselling practice at a professional level.

P: COUN 675 Professional Counselling Practice I

R: EDEM 673, EDEM 674/EDEM 675, COUN 676

**COUN 674 Professional Counselling Practice II (Part B) (PT)**

15 Points

0.1250 EFTS

This course aims to provide the context in which students can demonstrate their counselling practice at a professional level.

P: COUN 673 Professional Counselling Practice II (Part A) (PT)

R: EDEM 673, EDEM 674/EDEM 675, COUN 676

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**COUN674-20W (D)** Whole Year (S1 and S2)**COUN 675 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**COUN675-20W (D)** Whole Year (S1 and S2)**COUN 676 Professional Counselling Practice II**

30 Points

0.2500 EFTS

**Not offered in 2020**

This course aims to provide the context in which students can demonstrate their counselling practice at a professional level.

P: 1) Subject to approval of the Head of School of Health Sciences. 2) COUN 675: Professional Counselling Practice I; and COUN 678 or HLTH 482; and COUN 679 or HLTH 483; and EDEM 664 or CFPY 604 or EDUC 461 or HLTH 481.

R: EDEM 673

**COUN 678 Group Work: Process and Practice**

15 Points 0.1250 EFTS

This course aims to introduce students to the theory and practice of working with different types of groups in a helping context. Students will be given the opportunity to develop knowledge and skills in the areas of group process and group leadership.

P: COUN 679

R: EDEM 671, HLTH 482

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**COUN678-20S2 (C) Semester 2****COUN 679 Solution Focused Theory and Skills**

15 Points 0.1250 EFTS

This course aims to introduce students to the theory and skills of a postmodern model of brief counselling called solution-focused counselling which aims to help clients identify and implement workable solutions to problems.

P: Subject to the approval of the Head of the School of Health Sciences

R: EDEM 672, HLTH 483

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**COUN679-20S1 (D) Semester 1****COUN 681 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 the approval of the Head of the School of Health Sciences

R: COUN 678, COUN 679

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**COUN681-20W (C) Whole Year (S1 and S2)****COUN 685 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: COUN 675, COUN 672

R: COUN 673, COUN 674, COUN 676

Domestic Fee: \$3,768 (2019)

International Fee: \$15,350 (2019)

**COUN685-2020A (C) Starts Anytime****COUN 695 Counselling Dissertation**

60 Points 0.5000 EFTS

A supervised, independent counselling research project.

P: Subject to the approval of the Head of the School of Health Sciences

Domestic Fee: \$3,768 (2019)

International Fee: \$15,350 (2019)

**COUN695-2020A (C) Starts Anytime****COUN695-2020A (D) Starts Anytime****COUN 697 Counselling Thesis**

90 Points 0.7500 EFTS

P: Subject to approval of the Head of School of Health Sciences

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**COUN697-20A (D) Starts Anytime****COUN 698 Professional Counselling Research Portfolio**

90 Points 0.7500 EFTS

P: 1) COUN 675 and one of EDEM 693 or EDEM 697 or EDEM 698 or an approved Research Methods course. 2) Subject to approval of the Head of School

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**COUN698-20A (D) Starts Anytime****EDEM 602 Turning Pedagogical Theory into Classroom Practice**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course concerns itself with developing practical pedagogical skills from theories of how people learn. It aims to explore dominant pedagogical or learning theories that have been proposed to explain how students learn and how they ought to be taught. The course concentrates on examining theoretical positions, developing units of work which exemplify positions on learning.

P: Subject to approval of the Head of School

R: EDTL 815

**EDEM 603 Research Project in Learning, Teaching and Curriculum**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course focuses on teaching, learning and curriculum issues in the primary and early childhood areas. This course will enable students to examine and critique the theories and principles which underpin the New Zealand Curriculum and Te Whāriki. Students will investigate the extent to which these documents and current classroom/centre practice are supported by research literature. As part of this course students will spend time in classrooms/centres during which they will investigate and reflect on the relationships of curriculum planning, decision-making and implementation issues to their own philosophies and practices.

P: Subject to approval of the Head of School

**EDEM 606 Curriculum Implementation in Science Education**

30 Points 0.2500 EFTS

The course is designed to give teachers the opportunity to improve their professional practice by critically examining significant issues regarding course design and implementation in science contexts. Participants will develop research skills and investigate theories and practices in science education.

P: Subject to approval of the Head of School

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM606-20S2 (C) Semester 2****EDEM606-20S2 (D) Semester 2****EDEM 607 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: EDTL 834

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM607-20W (D) Whole Year (S1 and S2)****EDEM 608 Special Topic: Understanding Emotions in Education, Leadership, and Health**

30 Points 0.2500 EFTS

This Summer School 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 practise. This course will be of interest not only to teachers, educators, and leaders, but also to managers, coaches, human resource professionals, parents, students and anyone who is interested in understanding emotions in themselves and others.

P: Subject to approval of the Head of School

Domestic Fee: \$1,847 (2019)

International Fee: \$7,250 (2019)

**EDEM608-19SU2 (C) Summer (Nov 19)****EDEM 609 Contemporary Issues in Mathematics Education**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course identifies current issues and debates related to the learning and teaching of mathematics and statistics in New Zealand educational contexts and of interest to practitioners in centres or schools. Based on these issues, research literature and other resources are critically examined and related to local, national and international contexts relevant to mathematics education. Students are encouraged to develop critical perspectives about current teaching practices such as pedagogical frameworks, mathematical models and representations, and other practices related to the learning and teaching of mathematics and statistics.

P: Subject to approval of the Head of School

R: EDTL 835

**EDEM 610 Teaching Drama in the Curriculum**

30 Points 0.2500 EFTS

**Not offered in 2020**

Course participants will gain an in-depth knowledge of contemporary theory and practice to support their own teaching and capability in one or more areas of the arts. This course is intended for both specialist teachers and generalist teachers in who want to deepen their knowledge of teaching drama.

P: Subject to approval of the Head of School

R: EDTL 836

**EDEM 611 Diversity and the Politics of Knowledge**

30 Points 0.2500 EFTS

This course explores the ways in which differing knowledges hold more status and exercise more power than others, at particular social and historical points in time. We critically engage with the ways in which dominant knowledges shape notions of learner difference and diversity, and how this can play a role in perpetuating the status quo. The institutional and societal implications of the 'knowledges considered worth knowing' about a range of diversities are considered. The course investigates agentive possibilities for engaging with difference and diversity within a range of diverse educational contexts.

P: Subject to approval of the Head of School

R: EDTL 840

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM611-20S2 (C) Semester 2****EDEM611-20S2 (D) Semester 2****EDEM 614 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM614-20S2 (D) Semester 2****EDEM 615 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.

P: Subject to approval of the Head of School

R: EDEM 681 (note this is between 2014-2015 only)

Domestic Fee: \$1,847 (2019)

International Fee: \$7,250 (2019)

**EDEM615-19SU2 (C) Summer (Nov 19)****EDEM615-19SU2 (D) Summer (Nov 19)****EDEM 616 Critical Literacies in Children's Literature and Media Texts**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines embedded ideologies in the genre of myth, legend and folktale as represented in children's and young people's literature and film, inclusive of postmodern fractured fairytales and provides an opportunity to critically reflect on them. Having analysed a range of traditional stories from various critical perspectives, the course participant will develop a range of teaching/learning strategies, implement them with students and reflect on the nature of the experience and emerging issues.

P: Subject to the approval of Head of School.

**EDEM 617 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM617-20S1 (D) Semester 1****EDEM 618 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM618-20S2 (C) Semester 2****EDEM 620 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM620-20S1 (D) Semester 1****EDEM620-20S1 (C) Semester 1****EDEM 622 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM622-20S2 (D) Semester 2****EDEM622-20S2 (C) Semester 2****EDEM 624 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: EDSN 766, EDTL 866

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM624-20S1 (D) Semester 1****EDEM 626 Curriculum Implementation in Computer Science**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 Computer Science and 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 Computer Science education and industry. A key component is an individual research project to develop, implement and critically evaluate a resource to support teaching a selected topic. This project provides practical experience informed by current research from the computer science discipline. The course does not cover teaching of computer programming or learning to program a computer.

P: Subject to approval of the Head of School.

**EDEM 628 Evaluating effective Practices with E-Learning**

30 Points 0.2500 EFTS

This course will engage students in authentic learning experiences as they explore an educational challenge in their own context. Students help guide the course focus, through identification and presentation of relevant issues in their own education or training contexts before carrying out an independent project to enhance both their professional practice and the theoretical understandings of e-learning. Drawing on design-based research the course develops a community of practice as students investigate and share effective blended learning practices through collaborative learning and critical reflection. Given the authentic learning focus, the course is suitable for educators in all phases of education and training, including early childhood, schools and industry training and community organisations.

P: Subject to approval of the Head of School

R: EDTL 894

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM628-20S1 (D) Semester 1**

**EDEM 630 Change with Digital Technologies in Education and Training**

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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM630-20S2 (D) Semester 2****EDEM 631 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM631-20S1 (C) Semester 1****EDEM631-20S1 (D) Semester 1****EDEM 633 Foundations of Technology-Enhanced Language Learning**

30 Points 0.2500 EFTS

Participants will gain a comprehensive overview of the field of technology-enhanced language learning and develop an ability to select, evaluate and create digital tools for language learning in a variety of learning contexts. This compulsory course presents the history and development of technology-enhanced language learning and students learn about the affordances and constraints of a wide variety of digital tools and materials and how they can be used in a pedagogically appropriate way to enhance language learning as well as creating materials for technology-enhanced language learning in a particular context.

P: Subject to approval of the Head of School

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM633-20S2 (D) Semester 2****EDEM633-20S2 (C) Semester 2****EDEM 637 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: EDTL 821

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM637-20S1 (D) Semester 1****EDEM 638 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: EDTL 841

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM638-20S2 (D) Semester 2****EDEM 641 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM641-20S2 (C) Semester 2****EDEM641-20S2 (D) Semester 2****EDEM 644 Contemporary Issues in Education: Socio-Cultural Perspectives**

30 Points 0.2500 EFTS

**Not offered in 2020**  
This course develops research skills and analysis in the sociocultural analysis of education, with a particular focus on policy and practices in relation to diverse learners. It is aimed at students who have an interest in investigating policies and practices using sociocultural frameworks.

P: Subject to approval by the Head of School

R: EDEM 621, EDEM 646, EDUC 419, EDUC 402, EDUC 413

EQ: EDUC 402

**EDEM 645 The Politics of Education**

30 Points 0.2500 EFTS

**Not offered in 2020**  
This course examines the politics of education from a range of perspectives. It explores theories about the essentially political nature of education and knowledge. Drawing on students' own experiences, the course also looks at ways that people develop their own awareness and understanding about things political. It also examines the ways educational institutions and systems are reformed, including various formal and informal processes by which educational policy is promoted, supported, resisted, amended and implemented. The course draws on examples of successful and unsuccessful educational policy initiatives such as bulk funding, charter schools, governance of universities, feed the kids, and national standards. It also gives students the opportunity to research a topic of their choosing in the politics of education.

P: Subject to approval of the Head of School

R: EDUC 403, EDUC 603

EQ: EDUC 403

**EDEM 647 Education, Globalisation and Development**

30 Points 0.2500 EFTS

**Not offered in 2020**  
Globalisation is one of the most keenly debated subjects in the world today. This course considers the impact of globalisation, in its various forms, on education. Particular attention will be paid to changes in New Zealand and the wider Pacific region. The course will have both a theoretical and a practical focus, and students will be encouraged to compare policy ideals with social realities. The notion of development will be examined in relation to both the history of colonialism and the more recent emergence of neoliberalism as the dominant political ideology across the globe. Contemporary constructs of the knowledge society/economy and new variants of nationalism will be explored. The course will also discuss the implications of globalisation and neoliberalism for teaching and research in tertiary education institutions.

P: Subject to approval of the Head of School

R: EDUC 417, EDUC 617, PACS 405

**EDEM 649 Te Tiriti o Waitangi i te Ao Mātauranga**

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 Head of School

R: EDTL 826

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM649-20S2 (C) Semester 2****EDEM 650 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: EDUC 414

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM650-20S2 (C) Semester 2****EDEM650-20S2 (D) Semester 2****EDEM 651 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  
Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM651-20S1 (C)** Semester 1

**EDEM651-20S1 (D)** Semester 1

### EDEM 654 Adult Learning and Education

30 Points 0.2500 EFTS

**Not offered in 2020**

An introduction to the processes and practice of adult learning and education and the assumptions underlying diverse approaches to the education and training of adults.

P: Subject to approval of the Head of School

R: EDUC 646

### EDEM 656 Tikanga and Rautaki Whakaako Reo

30 Points 0.2500 EFTS

This course will explore, develop and critically assess 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 teaching and assessment. Students will design effective language programmes and assessments practices appropriate to age group and language experiences of learners, inclusive of Māori values and cultural practices. Note: This course will be taught through the medium of te reo Māori.

P: Subject to approval of the Head of School

R: EDHP 701

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM656-20X (C)** 27 Apr 2020 - 19 July 2020

### EDEM 657 Whakaora Reo-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, wānanga 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 Head of School

R: EDHP 702, MAOR 427, TREO 405

EQ: TREO 405

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM657-20S2 (C)** Semester 2

### EDEM 658 Matauranga Māori Hei Marautanga

30 Points 0.2500 EFTS

This course is taught through te reo Māori. It will critically examine Matauranga Māori: Māori ways of knowing and engaging with their environment in traditional and contemporary contexts as a means of developing a Kaupapa Māori based curriculum. Māori knowledge systems are valued and central to curriculum development. Students will also compare and contrast other indigenous epistemologies as frameworks for curriculum development in educational settings. There will be a strong emphasis on Te Waipounamu contexts and content and students will work in partnership with selected Māori and marae communities to investigate, report and apply Matauranga Māori in the development of curriculum materials and teaching resources.

P: Subject to approval of the Head of School

R: EDHP 705

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM658-20X (C)** 03 Feb 2020 - 05 Apr 2020

### EDEM 659 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM659-20S1 (D)** Semester 1

**EDEM659-20S1 (C)** Semester 1

### EDEM 660 Te Reo Te Kōhure

30 Points 0.2500 EFTS

This is an advanced-level course in te reo Māori. Te Kōhure is the final level of the Te Whanake language programme. The course aims to attain high language proficiency and fluency. Topics include: kiwaha/idioms, whakatauki and whakatauki/proverbs, kupu whakarite/analogy,

tongi and kupu whakaari/prophetic sayings, kōrero paki/humorous sayings; kōrero o neherā, whakapapa, mana and tapu, religious beliefs, te taenga mai a te Pākehā, the study of celestial bodies, leadership, the teachings of prophets and tohunga, haka and waiata; composing and delivering formal and informal prose such as whaikōrero, poroporoaki mihi mate (eulogies), invitations, notices, advertisements and general speech-making.

P: Subject to approval of the Head of School

R: TREO 401

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM660-20S2 (C)** Semester 2

### EDEM 661 Disorders of Childhood and Adolescence

30 Points 0.2500 EFTS

**Not offered in 2020**

This course looks at the nature, prevalence, causes, education and treatment of common childhood disorders and disabilities.

P: Subject to approval of the Head of School

R: EDUC 412, CFPY 601

### EDEM 662 Child and Adolescent Development: Research, Contexts, and Applications

30 Points 0.2500 EFTS

**Not offered in 2020**

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 approval of the Head of School

R: EDUC 416, CFPY 602, PSYC 413

### EDEM 663 Introduction to Interventions

30 Points 0.2500 EFTS

**Not offered in 2020**

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

R: EDUC 421, CFPY 603

EQ: EDEM 663

### EDEM 665 Teaching Computer Programming

30 Points 0.2500 EFTS

This course aims to equip participants to teach programming as part of the Digital Technology learning area and Hangarau Matihiko curriculum, including NCEA. The Technological area of Computational Thinking for digital technologies was introduced into the New Zealand Curriculum and Te Marautanga o Aotearoa for primary and secondary schools and kura in 2018. Students will explore what computer programming is, and various approaches to teaching it. Students are normally primary and secondary teachers, or those who lead the services for such students including professional development of teachers. They will develop research skills and investigate theories and practices in programming education. A key component is an individual research project to develop, implement and critically evaluate their teaching of programming. Although this course does not teach students to program, it can extend students' programming skills.

P: Subject to approval of the Head of School.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM665-20W (D)** Whole Year (S1 and S2)

### EDEM 666 Foundations of Positive Behaviour Support

30 Points 0.2500 EFTS

**Not offered in 2020**

This course provides participants with opportunities to describe and critique the framework which makes up the Positive Behaviour Support model for providing behaviour and learning support to children, adolescents and adults in various settings. The application of this model to the Aotearoa/ New Zealand context is a feature of this course.

P: Subject to the approval of the Head of School

R: EDEM 625



**EDEM 667 Application of Positive Behaviour Support**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course explores the principles of Positive Behaviour Support and their application to children, youth and adults with learning and behaviour difficulties in educational and community settings. Participants will undertake a functional behavioural assessment and then plan, implement and monitor a learning and/or behaviour change programme based on these principles.

P: EDEM 666

R: EDEM 625

RP: Experience working in the education or health or social work disciplines and access to a suitable work environment to undertake the assessments.

**EDEM 668 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: EDEM 634, EDEM 639

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM668-20S1 (D) Semester 1****EDEM 669 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM669-20S1 (D) Semester 1****EDEM 670 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM670-20S2 (D) Semester 2****EDEM 679 The Treaty of Waitangi in Community, Education and Health Settings**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course emphasises the importance of Te Tiriti o Waitangi and underlines the value of place-consciousness approaches to the development of culturally-responsive strategies and programmes of work in various social services sectors.

P: Subject to the approval of the Head of School

R: EDEM 688 (from 2010), EDEM 649

**EDEM 680 Independent Study**

30 Points 0.2500 EFTS

An independent course of postgraduate study on approved topics.

P: Subject to approval of the Head of School.

R: EDUC 674

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM680-20A (D) Starts Anytime****EDEM680-20A (C) Starts Anytime****EDEM 683 Special Topic: Teaching practice and mathematical learning**

30 Points 0.2500 EFTS

The course provides a unique opportunity for primary school teachers to combine in-school professional learning in mathematics education with postgraduate study. The postgraduate course will complement the content, professional reading, classroom-focused activities and teacher inquiry led by Education Plus facilitators. The postgraduate course will extend teachers' understanding of the mathematical and pedagogical content knowledge required for teaching through a blend of face-to-face and online activities, a mixture of taught and independent

study, and authentic assessment. This course is only available to teachers in schools where Mathematics PLD is offered by UC Education Plus.

P: Subject to approval of the Head of School

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM683-20A (C) Starts Anytime****EDEM 684 Special Topic: Assessment, Evaluation and Evidence Based Decision Making**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course has been designed to support teachers in developing and clarifying understanding about assessment practices, develop expertise in statistically analysing assessment data and make sound evidence based educational decisions leading to improvement in school and teacher effectiveness.

P: Subject to approval of the Head of School

**EDEM 685 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDEM685-20S1 (C) Semester 1****EDEM685-20X (R) 13 July 2020 - 01 Nov 2020****EDEM 686 Teaching New Zealand Theatre (Education)**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course enables teachers and professional educators to explore New Zealand theatre and the ways it reflects and shapes our social history and our complex identities as New Zealanders. It engages participants as researchers of our theatre history and of the social and cultural movements that have led to the making of significant works. It also enables participants to explore ways in which dramatic performance has been used as a way of embodying important social and ethical issues in our history, and can further be used as a catalyst for investigation and change.

P: Subject to approval of the Head of School

**EDEM 689 Special Topic: Mentoring and Coaching Beginning Teachers: Supporting the Next Generation**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course supports education professionals who coach, mentor, or supervise pre-service teachers or provisionally certified teachers. Participants will develop a critically informed understanding of the research base related to new teacher learning and development, high quality coaching and mentoring and develop the professional skills to design and implement quality coaching and mentoring, and engage in critical self-reflection and inquiry to improve practice. The course is appropriate for those who are currently working as Associate Teachers, Mentor Teachers, Practicum Lecturers, school leaders or other educators who support new teachers, and those who hope to take on such leadership roles in the future.

P: Subject to Head of School Approval.

RP: Recommended that participants have at least 4 years of teaching experience.

**EDEM 690 MEd Thesis**

90 Points 0.7500 EFTS

P: Subject to approval of the Head of School.

R: EDTL 904

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**EDEM690-20A (C) Starts Anytime****EDEM690-20A (D) Starts Anytime***Part-time enrolment (0.4875 EFTS) is available on approval.***EDEM 691 MEd Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

R: EDTL 905

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**EDEM691-20A (C) Starts Anytime****EDEM691-20A (D) Starts Anytime**

**EDEM 693 Introduction to Methodologies and Ethics in Educational Research**

15 Points 0.1250 EFTS

The course is an introduction to frameworks for thinking about research, ethical considerations required for planning research and the ethical approval process. The course provides students with opportunities to identify appropriate research issues and to formulate research questions. This course supports students' critical reading of research and decisions made in planning research. A range of methodologies and methods of educational research are introduced.

P: Subject to the approval of the Head of School

R: EDUC 459, EDUC 659, EDTL 801

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EDEM693-20S1 (C) Semester 1****EDEM693-20S1 (D) Semester 1****EDEM 694 Quantitative Research In Education**

15 Points 0.1250 EFTS

This course provides postgraduate training in educational research methods. The course covers the various research methodologies used in education that involve quantitative data (from experiments to surveys, single-subject designs to group interventions) and provides a background to related statistical analytic procedures. The course will familiarise students with those concepts and assumptions underlying such educational research and provide education-based examples to support understanding. The aims of the course are to bring the student to the point where they have the basic skills/knowledge to interpret most quantitative research papers, as well as the background to undertake thesis-level work that includes quantitative research.

P: Subject to the approval of the Head of School

R: EDTL 801, EDUC 660

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EDEM694-20S2 (D) Semester 2****EDEM694-20S2 (C) Semester 2****EDEM 697 Qualitative Research in Education, Health, and Human Development**

15 Points 0.1250 EFTS

This course gives students both theoretical tools and practical experience in the design and implementation of qualitative research. Students will learn how to describe, apply and critique strategies for qualitative data collection and data analysis. Students will identify and discuss ethical issues in qualitative research, including suggestions for researching ethically throughout the process of data collection, analysis and reporting. The course prepares students to write the methodology (and methods) section of a research proposal suitable for a thesis.

P: Subject to the approval of the Head of School

R: EDUC 459, EDUC 659, EDTL 801

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EDEM697-20S1 (C) Semester 1****EDEM697-20S1 (D) Semester 1****EDEM 698 Emergent Research Methodologies**

15 Points 0.1250 EFTS

**Not offered in 2020**

Emergent research methodologies address approaches to research where the researcher is active in the context of the research, as well as in the design and analysis of the research. In many cases other participants also become co-researchers and knowledge is generated iteratively. In some cases, knowledge is generated by the community with the researcher as their agent.

P: Subject to the approval of the Head of School

**EDMM 632 Issues in Language Acquisition and Learning**

30 Points 0.2500 EFTS

In this course the students will gain a thorough overview of current research in the field of language acquisition and learning and develop an ability to analyse and evaluate critical findings and discussions in the literature on language acquisition pedagogy that inform the design and implementation of curricula for learning contexts. Students will compare and contrast a range of approaches to teaching additional languages, curriculum and syllabus design, and evaluating and designing appropriate materials to meet the diverse language learning needs of students in a range of educational settings. Students will 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: EDEM 631 or equivalent knowledge

R: EDEM 632

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDMM632-20S1 (D) Semester 1****EDMM632-20S1 (C) Semester 1****EDMM632-20S2 (C) Semester 2****EDMM632-20S2 (D) Semester 2****EDMM 633 Issues in Technology-Enhanced Language Learning**

30 Points 0.2500 EFTS

**Not offered in 2020**

The course will deal with current issues in technology-enhanced language learning research, including but not limited to gaming in language learning, teacher education for technology-enhanced language learning, corpora in language learning, technology enhanced language assessment and the flipped language classroom, digital materials and tools for language learning. Participants will research and critically analyse problematic aspects of technology-enhanced language learning research and discuss their application to classroom practices and problems in a particular educational setting.

P: EDEM 633 or equivalent knowledge

**EDST 601 Core Theory and Foundations of Specialist Teaching**

30 Points 0.2500 EFTS

Advanced study of generic core theory and foundations of specialist teaching common to professionals working in the areas of: Early Intervention; Deaf and Hearing Impairment; Blind and Vision Impairment; Learning and Behaviour; Autism Spectrum Disorder; Complex Educational Needs, and Gifted and Talented.

P: A teaching qualification or entry at the discretion of the Dean of Education.

RP: Experience working with children with special educational needs.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDST601-20X (D) 10 Feb 2020 - 28 June 2020****EDST 621 Theory and Foundations of Deaf and Hard of Hearing**

30 Points 0.2500 EFTS

An advanced study of theoretical and research-based foundations of specialist teaching relating to understanding, recognising, assessing and providing for learners who have needs in the area of Deaf and Hard of Hearing.

P: EDST 601.

RP: Experience working with children who are Deaf or Hard of Hearing.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDST621-20X (D) 29 June 2020 - 08 Nov 2020****EDST 622 Evidence-based Interprofessional Practice in Deaf and Hard of Hearing**

30 Points 0.2500 EFTS

An examination of evidence-based professional practices in the area of Deaf and Hard of Hearing, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

P: EDST 601 and EDST 621

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDST622-20X (D) 10 Feb 2020 - 08 Nov 2020****EDST 623 Practicum in Deaf and Hard of Hearing**

30 Points 0.2500 EFTS

A supervised practicum in the area of Deaf and Hard of Hearing.

P: EDST 601 and EDST 621

C: EDST 622

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDST623-20X (D) 10 Feb 2020 - 08 Nov 2020****EDST 631 Theory and Foundations of Early Intervention**

30 Points 0.2500 EFTS

An advanced study of theoretical and research-based foundations of specialist teaching relating to understanding, recognising, assessing and providing for learners who have needs in the area of Early Intervention.

P: EDST 601.

RP: Two or more years experience in early childhood sector.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDST631-20X (D) 29 June 2020 - 08 Nov 2020****EDST 632 Evidence-based Interprofessional Practice in Early Intervention**

30 Points 0.2500 EFTS

An examination of evidence-based professional practices in the area of Early Intervention, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

P: EDST 601 and EDST 631

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDST632-20X (D) 10 Feb 2020 - 08 Nov 2020**

**EDST 633 Practicum in Early Intervention**

30 Points 0.2500 EFTS

A supervised practicum in the area of Early Intervention.

P: EDST 601 and EDST 631

C: EDST 632

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDST633-20X (D) 10 Feb 2020 - 08 Nov 2020

**EDST 641 Theory and Foundations of Learning and Behaviour Diversity**

30 Points 0.2500 EFTS

An advanced study of theoretical and research-based foundations of specialist teaching relating to understanding, recognising, assessing, and providing for learners who have needs in the area of Learning and Behaviour

P: EDST 601

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDST641-20X (D) 29 June 2020 - 08 Nov 2020

**EDST 642 Evidence-based Interprofessional Practice in Learning and Behaviour Diversity**

30 Points 0.2500 EFTS

An examination of evidence-based professional practices in the area of Learning and Behaviour, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

P: EDST 601 and EDST 641

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDST642-20X (D) 10 Feb 2020 - 08 Nov 2020

**EDST 643 Practicum in Learning and Behaviour Diversity**

30 Points 0.2500 EFTS

A supervised practicum in the area of Learning and Behaviour.

P: EDST 601 and EDST 641

C: EDST 642

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDST643-20X (D) 10 Feb 2020 - 08 Nov 2020

**EDST 651 Theory and Foundations in Complex Educational Needs**

30 Points 0.2500 EFTS

An advanced study of theoretical and research-based foundations of specialist teaching relating to understanding, recognising, assessing and providing for learners who have complex educational needs.

P: EDST 601.

RP: Experience working with students who have complex educational needs.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDST651-20X (D) 29 June 2020 - 08 Nov 2020

**EDST 652 Evidence-based Interprofessional Practice in Complex Educational Needs**

30 Points 0.2500 EFTS

An examination of evidence-based practices for specialist teachers of learners who have complex educational needs, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

P: EDST 601 and EDST 651

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDST652-20X (D) 10 Feb 2020 - 08 Nov 2020

**EDST 653 Practicum in Complex Educational Needs**

30 Points 0.2500 EFTS

A practicum to support the inclusion of learners with complex educational needs.

P: EDST 601 and EDST 651

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDST653-20X (D) 10 Feb 2020 - 08 Nov 2020

**EDUC 101 Spark! How & What People Learn**

15 Points 0.1250 EFTS

"Wait, what?" In this course, we address this and other questions about life to understand how people learn as well as the social, political, and global contexts in which learning takes place.

Through these 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 link theories of learning to any academic discipline or subject area while also giving you the opportunity to apply your knowledge in a unique way which can improve your studies

at UC as well as the local Christchurch community.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EDUC101-20SU1 (D) Summer (Jan 20)

EDUC101-20S2 (C) Semester 2

EDUC101-20S2 (D) Semester 2

**EDUC 102 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: TEDU 110, EDUC 121, TEDU 150, TEDU 102

EQ: TEDU 110

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EDUC102-20S1 (C) Semester 1

EDUC102-20S1 (D) Semester 1

**EDUC 103 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: EDUC 120 and TEDU 111

EQ: TEDU 111

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EDUC103-20S2 (C) Semester 2

EDUC103-20S2 (D) Semester 2

**EDUC 201 Current Issues in Learning**

15 Points 0.1250 EFTS

**Not offered in 2020**

What are some of the major contemporary issues in learning? Are new technologies such as the internet and computer games changing the way people learn? Why is educational neuroscience a new hot topic and what can recent research on the brain tell us about learning? When examining the essential elements of effective learning programmes why do some things work and others not work? This course will show you how to apply the basic concepts and principles of learning to analyse and make sense of these and other contemporary issues.

P: 30 points in EDUC or permission of the Head of School

**EDUC 202 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 or PSYC, or permission of the Head of School

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EDUC202-20S1 (C) Semester 1

EDUC202-20S1 (D) Semester 1

**EDUC 204 Promoting 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 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, and positive psychology perspectives.

P: 30 points in EDUC or PSYC, or permission of the Head of School

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EDUC204-20S2 (C) Semester 2

EDUC204-20S2 (D) Semester 2

**EDUC 205 Critical Issues in Adult Learning**

15 Points 0.1250 EFTS

**Not offered in 2020**

Does adults' learning differ from the learning of children and adolescents? If so how? How are theories of learning used in the practice of adult education? What should adult learning be about: learning for living, learning for liberation or learning for earning? And what motivates

and hinders adults' involvement in education after leaving school? This course explores these critical questions relating to the role of adult education and lifelong learning. It will extend students' knowledge and understanding of learning through an examination of some of the theories and tensions which underpin adult education in contemporary society - both nationally and internationally.

P: 30 points in EDUC or permission of the Head of School

### EDUC 206 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 45 points of SOCI, POLS, HIST, CULT, ANTH, SPCO or permission of the Head of School

R: EDUC 220

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EDUC206-20S2 (C) Semester 2

EDUC206-20S2 (D) Semester 2

### EDUC 301 Researching Learning

30 Points 0.2500 EFTS

Not offered in 2020

The course provides a strong foundation for self-directed learning, post-graduate study and research. How do learning researchers study learning? What are the problems which have to be solved in order to discover why learning sometimes occurs and sometimes doesn't? What are some of the implications of recent research on learning for the design of effective teaching and self-directed learning procedures? Students will have the opportunity to plan and conduct a small study of learning and will learn how to find and interpret relevant research reports. The course uses blended delivery.

P: Any 15 points from EDUC 201, EDUC 202, EDUC 204 or any 30 points of EDUC at 200 level, or by permission of the Head of School

### EDUC 302 Researching Development: Opportunities and Risks in Adolescence

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: EDUC 202 or EDUC 204 or any 30 points at 200 level of EDUC, or PSYC, HLED, HLTH, or HSRV, or by permission of the Head of School.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

EDUC302-20S1 (C) Semester 1

EDUC302-20S1 (D) Semester 1

### EDUC 315 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: EDUC 206 or any 30 points at 200 level of EDUC or SOCI, POLS, HIST, CULT, ANTH, or by permission of the Head of School.

R: EDUC 215 completed before 2000

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

EDUC315-20S2 (C) Semester 2

EDUC315-20S2 (D) Semester 2

### EDUC 339 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: EDUC 206 or any 30 points at 200 level of EDUC or SOCI, POLS, HIST, CULT, ANTH, or by permission of the Head of School.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

EDUC339-20S2 (C) Semester 2

EDUC339-20S2 (D) Semester 2

### EDUC 402 Contemporary Issues in Education: Socio-Cultural Perspectives

30 Points 0.2500 EFTS

Not offered in 2020

This course develops research skills and analysis in the sociocultural analysis of education, with a particular focus on policy and practices in relation to diverse learners. It is aimed at students who have an interest in investigating policies and practices using sociocultural frameworks.

P: Subject to approval by the Head of School

R: EDEM 621, EDEM 644, EDEM 646, EDUC 419, EDUC 413

EQ: EDEM 644

### EDUC 403 Policy Studies in Education

30 Points 0.2500 EFTS

Not offered in 2020

An examination of some of the major debates, theoretical frameworks and central issues within the wider field of the political sociology of education. (Offered in even numbered years only).

P: Subject to approval of the Head of School.

R: EDEM 645

EQ: EDEM 645

### EDUC 412 Disorders of Childhood and Adolescence

30 Points 0.2500 EFTS

Not offered in 2020

This course looks at the nature, prevalence, causes, education and treatment of disorders and disabilities affecting children and adolescents.

P: Subject to approval of the Head of School.

R: CFPY 601, EDEM 661

### EDUC 414 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: EDEM 650

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDUC414-20S2 (C) Semester 2

### EDUC 416 Child and Adolescent Development: Research, Contexts, and Applications

30 Points 0.2500 EFTS

Not offered in 2020

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 approval of the Head of School.

R: EDEM 662, CFPY 602, PSYC 413

### EDUC 417 Education, Globalisation and Development

30 Points 0.2500 EFTS

Not offered in 2020

Globalisation is one of the most keenly debated subjects in the world today. This course considers the impact of globalisation, in its various forms, on education. Particular attention will be paid to changes in New Zealand and the wider Pacific region. The course will have both a theoretical and a practical focus, and students will be encouraged to compare policy ideals with social realities. The notion of development will be examined in relation to both the history of colonialism and the more recent emergence of neoliberalism as the dominant political ideology across the globe. Contemporary constructs of the knowledge society/economy and new variants of nationalism will be explored. The course will also discuss the implications of globalisation and neoliberalism for teaching and research in tertiary education institutions.

P: Subject to approval of the Head of School.

R: EDEM 647, PACS 405

### EDUC 418 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDUC418-20A (C) Starts Anytime

**EDUC 421 Introduction to Interventions**

30 Points 0.2500 EFTS

**Not offered in 2020**

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.

R: EDEM 663, CFPY 603

**EDUC 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDUC480-20W (C) Whole Year (S1 and S2)****EDUC 686 Research Project**

30 Points 0.2500 EFTS

**Not offered in 2020**

A written report on a research project approved by the Head of Department. The report must be completed and presented by 15 February in the calendar year following the year of enrolment in the project.

P: Subject to approval of the Head of School.

**EDUC 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**EDUC690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***EDUC 790 Education PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**EDUC790-20A (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.***EDUC 795 Doctor of Education (EdD)**

120 Points 1.0000 EFTS

Education EdD

P: Subject to approval of the Head of School

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**EDUC795-20A (C) Starts Anytime****EDUC795-20X (C) 24 Feb 2020 - 21 Feb 2021***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.***EHRE 601 Special Topic: Research Methodology and Ethics in Education and Health Sciences**

30 Points 0.2500 EFTS

This foundations course in research methods and methodology introduces Masters students to key philosophical foundations of knowledge generation and research practice from both 'Western' and Indigenous knowledge standpoints, and reflecting a range of disciplinary perspectives. It equips students to understand and apply a range of quantitative and qualitative approaches to research, as well as engaging with ethical principles, practice and issues that arise within research from a range of disciplinary perspectives. Students will learn what is meant by Māori and indigenous ontologies and epistemologies and explain how they relate to research practice within a range of disciplines, and have the opportunity to specialize in an area of their interest.

P: Subject to the Head of School approval

Domestic Fee: \$1,847 (2019)

International Fee: \$7,250 (2019)

**EHRE601-19SU2 (D) Summer (Nov 19)****EHRE601-19SU2 (C) Summer (Nov 19)****PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.*

# Electrical and Electronic Engineering

*Department of Electrical and Computer Engineering***ENEL 198 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: ENEL 270

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENEL198-20A (C) Starts Anytime****ENEL 199 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: ENEL 200

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENEL199-20A (C) Starts Anytime****ENEL 200 Electrical and Computer Engineering Design**

15 Points 0.1250 EFTS

Introduction to Electrical and Computer Engineering design principles. Electronic circuit simulation leading to a design-and-build project including circuit design and simulation, printed circuit board design, and construction of a working device with documentation. Documentation preparation.

P: Subject to the approval of the College of Engineering Dean (Academic)

R: ENEL 211

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL200-20W (C) Whole Year (S1 and S2)****ENEL 220 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: ENEL 202

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL220-20W (C) Whole Year (S1 and S2)****ENEL 270 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: PHYS 102, MATH 103 or EMTH 119; or Approval of the Dean of Engineering and Forestry

R: ENEL 203

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL270-20S1 (C) Semester 1**

### ENEL 280 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: ENEL 204

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL280-20S1 (C) Semester 1**

### ENEL 290 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: PHYS 102, MATH 103 or EMTH 119; or Approval of the Dean of Engineering and Forestry.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL290-20S2 (C) Semester 2**

### ENEL 300 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: ENEL 200, ENCE 260, ENEL 270. Subject to approval of the Head of Department

R: ENEL 350

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL300-20S2 (C) Semester 2**

### ENEL 301 Fundamentals of Engineering Economics and Management

15 Points 0.1250 EFTS

Engineering projects and ventures require management. This course identifies the different management activities involved and develops the skills necessary for managing technology projects and professional practice. Specifically, the course formally covers the following graduate competencies required for engineers as per the Washington Accord Graduate (2009).

P: 15 points of any First Professional Engineering course

R: ENEL 350

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL301-20S2 (C) Semester 2**

### ENEL 320 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: ENEL 220, EMTH 210, ENEL 321

R: ENEL 332, ENEL 351

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL320-20S2 (C) Semester 2**

### ENEL 321 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: ENEL 220, EMTH 210

R: ENEL 351, ENME 303

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL321-20S1 (C) Semester 1**

### ENEL 372 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: ENEL 370 and ENEL 371

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL372-20S2 (C) Semester 2**

### ENEL 373 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: ENEL 270 and ENCE 260

R: ENEL 391 and ENCE 362

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL373-20S1 (C) Semester 1**

### ENEL 382 Electric Power and Machines

15 Points 0.1250 EFTS

The electric power systems course encompasses the concerns of bulk electrical energy, its production or generation, the bulk transmission, local area distribution and final consumption (the load) as needed by industry, commerce and households. These topics from the component level and up through the system as a whole. Analysis techniques for power systems under both steady-state and transient conditions are developed. Electrical machine level concepts are also covered, including generators, transformers and motors.

P: ENEL 280

R: ENEL 380 and ENEL 381

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENEL382-20S1 (C) Semester 1**

### ENEL 400 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

R: ENEL 427, ENCE 427

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENEL400-20W (C) Whole Year (S1 and S2)**

### ENEL 420 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: ENEL 320 OR ENMT 301

R: ENEL 440

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEL420-20S2 (C) Semester 2**

### ENEL 422 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: ENEL 320

R: ENEL 433

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEL422-20S1 (C) Semester 1**

**ENEL 441 Special Topic**  
15 Points 0.1250 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$1,102 (2019)  
International Fee: \$5,500 (2019)  
**ENEL441-20W (C) Whole Year (S1 and S2)**

**ENEL 442 Special Topic in Electrical and Electronic Engineering**  
15 Points 0.1250 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$1,102 (2019)  
International Fee: \$5,500 (2019)  
**ENEL442-20S1 (C) Semester 1**  
**ENEL442-20W (C) Whole Year (S1 and S2)**  
**ENEL442-20S2 (C) Semester 2**

**ENEL 443 Independent Course of Study**  
15 Points 0.1250 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$1,102 (2019)  
International Fee: \$5,500 (2019)  
**ENEL443-20S1 (C) Semester 1**  
**ENEL443-20W (C) Whole Year (S1 and S2)**  
**ENEL443-20S2 (C) Semester 2**

**ENEL 471 Power Electronics 2**  
15 Points 0.1250 EFTS  
High Frequency Switching Converters, Multi-switch forward converters, Converter Modelling and Control, HF magnetics design, Snubbers, EMI and Thermal management, Semiconductor switch properties, resonant converters, induction machine properties, drives, starters and control, multi-level converters.  
P: ENEL 371, ENEL 372  
R: ENEL 436  
Domestic Fee: \$1,102 (2019)  
International Fee: \$5,500 (2019)  
**ENEL471-20S2 (C) Semester 2**

**ENEL 480 Electrical Power Systems**  
15 Points 0.1250 EFTS  
This course is designed to build on Electric Power and Machines (ENEL 382) by giving a more in-depth treatment of some areas (power-flow and fault analysis) while covering in detail new areas such as reliability assessment and protection. New developments in electrical power systems are covered. In the process of teaching this course and by using a design assignment as problem-based learning tool students will learn how a large real power system will perform and how to engineer solutions to identified problems.  
P: ENEL 382  
R: ENEL 437  
Domestic Fee: \$1,102 (2019)  
International Fee: \$5,500 (2019)  
**ENEL480-20S1 (C) Semester 1**

**ENEL 481 Electrical Machines**  
15 Points 0.1250 EFTS  
Unified electroheater and transformer design; power transformer assessment and industry standard high voltage testing of generators, transformers and cables. Rotating Machines.  
P: ENEL 381, ENEL 382  
R: ENEL 439  
Domestic Fee: \$1,102 (2019)  
International Fee: \$5,500 (2019)  
**ENEL481-20S2 (C) Semester 2**

**ENEL 491 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 nanoelectronics.  
P: ENCE 362 or ENEL 373 or ENEL 372  
R: ENEL 435, ENEL 672  
Domestic Fee: \$1,102 (2019)  
International Fee: \$5,500 (2019)  
**ENEL491-20S1 (C) Semester 1**

## Tāura | Postgraduate

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

**ENEL 614 Signals in Biomedicine**  
15 Points 0.1250 EFTS

**Not offered in 2020**

The course presents a relatively broad overview of signals and images in medicine and biology. In detail, the topics are: instrumentation for physiological measurement; medical imaging, particularly magnetic resonance imaging; processing of physiological signals, particularly those from the brain and heart; and processing of medical images. Students will be assessed on the basis of two individual assignments: 1) a review paper to be prepared from a literature study of a specific topic; and 2) a study of a method applied to real medical signals using Matlab or Python and submitted in the form of a research paper and brief oral presentation.

P: Subject to approval of the Head of Department.

R: ENEL 514

**ENEL 619 Computational Image Recovery**  
15 Points 0.1250 EFTS

**Not offered in 2020**

The focus of this course is computational methods for the reconstruction of images from incomplete and noisy data. Key concepts are use of the multidimensional Fourier transform to describe image formation, the use of a priori information to supplement incomplete data, and image reconstruction algorithms. Topics include Fourier optics, inverse problems, iterative projection algorithms, Bayesian estimation, reconstruction from projections, deconvolution, phase retrieval, and applications including computed tomography, magnetic resonance imaging and biological imaging. The course will include a Matlab assignment and a practical computational project on an application of image reconstruction.

P: Subject to approval of the Head of Department.

**ENEL 651 Special Topic**  
15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**ENEL 652 Special Topic**  
15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: ENEL 552

**ENEL 657 Applied Digital Signal Processing**  
15 Points 0.1250 EFTS

**Not offered in 2020**

This course provides postgraduates and professional engineers (as COP students) with a means of applying theoretical concepts of digital signal processing to popular 16-bit fixed-point digital signal processors (DSPs). Optimisation is also covered and these concepts are generalised in terms of implementation on programmable logic devices such as field programmable gate arrays. An understanding of basic computer hardware and signal processing is extended with the study of specialised DSP architectures for high-performance and computationally intensive applications.

P: Subject to approval of the Head of Department.

**ENEL 663 Independent Course of Study**  
15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEL663-20S1 (C) Semester 1**

**ENEL663-20W (C) Whole Year (S1 and S2)**

**ENEL663-20S2 (C) Semester 2**

**ENEL 664 Special Topic**  
15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: ENEL 564, ENEL 667

**ENEL 667 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: ENEL 663, ENEL 664

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENEL667-20S2 (C)** Semester 2

### ENEL 673 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

### ENEL 679 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

### ENEL 685 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.

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENEL685-20A (C)** Starts Anytime

**ENEL685-20W (C)** Whole Year (S1 and S2)

**ENEL685-20CY (C)** Cross Year

### ENEL 690 Electrical ME Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENEL690-20A (C)** Starts Anytime

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

### ENEL 790 Electrical and Electronic Engineering PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENEL790-20A (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.*

## Engineering

Te Rāngai Pūkaha | College of Engineering

### ENGR 100 Engineering Academic Skills

0 Points 0.0000 EFTS

This course is normally taken at the same time as ENGR 101 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.

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENGR100-20W (C)** Whole Year (S1 and S2)

**ENGR100-20A (C)** Starts Anytime

### ENGR 101 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 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.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR101-20S1 (C)** Semester 1

### ENGR 102 Engineering Mechanics

15 Points 0.1250 EFTS

A course for students advancing in Engineering programmes that requires in-depth analysis of components and structures, ENGR 102 reinforces concepts of free-body diagrams and the mechanics of real life applications (both statics and dynamics).

P: EMTH 118

C: EMTH 119, PHYS 101

Domestic Fee: \$956 (2019)

International Fee: \$5,250 (2019)

**ENGR102-19SU2 (C)** Summer (Nov 19)

**ENGR102-20S2 (C)** Semester 2

### ENGR 200 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

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENGR200-20A (C)** Starts Anytime

### ENGR 210 Independent Course of Study

15 Points 0.1250 EFTS

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

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR210-20S1 (C)** Semester 1

**ENGR210-20W (C)** Whole Year (S1 and S2)

**ENGR210-20S2 (C)** Semester 2

### ENGR 211 Special Topic in Engineering

15 Points 0.1250 EFTS

P: Subject to the approval of the Dean of Engineering

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR211-20S1 (C)** Semester 1

**ENGR211-20W (C)** Whole Year (S1 and S2)

**ENGR211-20S2 (C)** Semester 2

### ENGR 212 Special Topic in Engineering

15 Points 0.1250 EFTS

P: Subject to the approval of the Dean of Engineering

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR212-20S1 (C)** Semester 1

**ENGR212-20W (C)** Whole Year (S1 and S2)

**ENGR212-20S2 (C)** Semester 2

### ENGR 301 Special Topic in Engineering

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR301-20S1 (C)** Semester 1

**ENGR301-20W (C)** Whole Year (S1 and S2)

**ENGR301-20S2 (C)** Semester 2

### ENGR 303 Special Topic in Engineering

15 Points 0.1250 EFTS

P: Subject to the approval of the Director of Studies

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENGR303-20S1 (C)** Semester 1

**ENGR303-20W (C)** Whole Year (S1 and S2)

**ENGR303-20S2 (C)** Semester 2

## Engineering

### ENGR 304 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to the approval of the Director of Studies

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR304-20S1 (C) Semester 1

ENGR304-20W (C) Whole Year (S1 and S2)

ENGR304-20S2 (C) Semester 2

### ENGR 310 Independent Course of Study

15 Points 0.1250 EFTS

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

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR310-20S1 (C) Semester 1

ENGR310-20W (C) Whole Year (S1 and S2)

ENGR310-20S2 (C) Semester 2

### ENGR 315 Humanitarian Engineering Practice

30 Points 0.2500 EFTS

This course comprises a module on Humanitarian Field Engineering, comprising of a taught component and a domestic practical field engineering programme. Students will have the opportunity to complete a project, field placement or attend a Design Summit as part of the course.

P: At least 30 points selected from the courses listed in schedules C and D of the Diploma of Global Humanitarian Engineering.

R: ENGR 316

RP: 3 completed years of the BE(HONS) degree

EQ: ENGR 316

Domestic Fee: \$1,911 (2019)

International Fee: \$10,500 (2019)

ENGR315-19SU2 (C) Summer (Nov 19)

ENGR315-20X (C) 06 Apr 2020 - 27 Dec 2020

### ENGR 316 Humanitarian Engineering Professional Report

30 Points 0.2500 EFTS

Not offered in 2020

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: ENGR 315

### ENGR 401 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: ENME 304 or ENME 314, or ENCH 393, or ENCN 342

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENGR401-20S1 (C) Semester 1

### ENGR 402 Special Topic: Rocket Systems Design and Control

15 Points 0.1250 EFTS

P: ENEL 321 or ENME 303 or equivalent.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR402-20S2 (C) Semester 2

### ENGR 403 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENGR403-20SU1 (C) Summer (Jan 20)

ENGR403-20S1 (C) Semester 1

### ENGR 404 Renewable Energy Technologies and Management

15 Points 0.1250 EFTS

This course explores various emerging technologies related to the needs for energy, including the supply of renewable energy. This includes topics such as combined heat and power systems, biomass and thermo-chemical processing, wind, geothermal and solar energy processes.

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: ENCH 291 or subject to approval of the Director of Studies

R: ENME 405, ENME 605

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR404-20S2 (C) Semester 2

### ENGR 405 Industrial Pollution Control

15 Points 0.1250 EFTS

This course aims to advance students' abilities in applying and evaluating the physico-chemical treatment processes for industrial wastewater pollution control, air pollution, and contaminated groundwater remediation, as well as to expose the student to other less frequent pollution sources, such as noise pollution.

P: Subject to approval of the Director of Studies

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR405-20S1 (C) Semester 1

### ENGR 407 Bioprocess Engineering 1

15 Points 0.1250 EFTS

Engineering biochemistry covering enzyme kinetics, metabolism and applied molecular biology.

P: ENCH 281 or subject to approval of the Director of Studies

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR407-20S2 (C) Semester 2

### ENGR 410 Independent Course of Study

15 Points 0.1250 EFTS

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

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR410-20S1 (C) Semester 1

ENGR410-20W (C) Whole Year (S1 and S2)

ENGR410-20S2 (C) Semester 2

### ENGR 476 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to the approval of the Head of Department

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR476-20S1 (C) Semester 1

ENGR476-20W (C) Whole Year (S1 and S2)

ENGR476-20S2 (C) Semester 2

### ENGR 477 Independent Course of Study

15 Points 0.1250 EFTS

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

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

ENGR477-20S1 (C) Semester 1

ENGR477-20W (C) Whole Year (S1 and S2)

ENGR477-20S2 (C) Semester 2

## Tāura | Postgraduate

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

### ENCM 678 Special Topic

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Director of Studies

### ENCN 623 Energy Systems Modelling and Analysis

15 Points 0.1250 EFTS

Critical analysis of 100% renewable energy systems; advanced energy system modelling; analysis and application of selected software for energy system modelling including EnergyPlan,

Systems Advisor Model (SAM) and modelling of photovoltaic-diesel systems (ASIM).

P: ENNR 423 or subject to approval of the Head of Department

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN623-20S2 (C)** Semester 2

### ENCN 625 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.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN625-20S2 (C)** Semester 2

### ENGR 601 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: ENGR 401

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENGR601-20S1 (C)** Semester 1

### ENGR 621 Energy, Technology and Society

15 Points 0.1250 EFTS

The roles of civil, natural resources, electrical, mechanical, chemical/process engineering, environmental psychology, sociology and economics in the multi-disciplinary subject of energy engineering; the application of thermodynamics and electricity in energy system conceptual design, advanced concepts in economics comparing paradigms such as classical, neo-classical and steady-state economics; the decoupling of economic growth from energy consumption; energy poverty and energy services.

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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENGR621-20S1 (C)** Semester 1

### ENGR 675 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENGR675-20S1 (C)** Semester 1

**ENGR675-20W (C)** Whole Year (S1 and S2)

**ENGR675-20S2 (C)** Semester 2

### ENGR 682 Special Topic in Engineering - Project

15 Points 0.1250 EFTS

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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENGR682-20S1 (C)** Semester 1

**ENGR682-20W (C)** Whole Year (S1 and S2)

**ENGR682-20S2 (C)** Semester 2

### ENGR 683 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

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENGR683-20A (C)** Starts Anytime

**ENGR683-20S1 (C)** Semester 1

**ENGR683-20W (C)** Whole Year (S1 and S2)

**ENGR683-20S2 (C)** Semester 2

### ENGR 684 Special Topic

15 Points 0.1250 EFTS

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

Domestic Fee: \$1,080 (2019)

International Fee: \$5,250 (2019)

**ENGR684-19SU2 (C)** Summer (Nov 19)

### ENGR 685 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to the approval of the Head of Department

### ENGR 686 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Dean of Engineering and Forestry

### ENGR 687 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to the approval of the Head of Department

## Engineering Geology

*Te Kura Aronukurangi | School of Earth and Environment*

### ENGE 417 Foundations of Engineering Geology

30 Points 0.2500 EFTS

This course covers the fundamentals of engineering geology by a structured approach to site investigation, with the goal of developing accurate engineering ground models.

P: Approval by Head of Department.

R: ENGE 410, ENGE 415, ENGE 471, ENGE 486

RP: BSc Geology or equivalent

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**ENGE417-20T1 (C)** 17 Feb 2020 - 05 Apr 2020

Limited entry. See limitation of entry regulations.

## Tāura | Postgraduate

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

### ENGE 411 Engineering Construction Practice

15 Points 0.1250 EFTS

This course is concerned with the nature and properties of construction materials for civil projects, general design principles and construction practices in rock and soil, and selected case studies (both historical and current). It also considers appropriate engineering geology practice for various surface and subsurface projects, with emphasis on project failures and the implications for sound geotechnical practice. Knowledge of precedent is fundamental to engineering design and construction, and the course content is inherently practical rather than theoretical.

P: (1) ENGE 410 and (2) approval from the Head of Department of Geological Sciences

R: ENGE 472

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ENGE411-20X (C)** 13 July 2020 - 06 Sep 2020

### ENGE 412 Rock Mechanics and Rock Engineering

15 Points 0.1250 EFTS

This course focuses on description and representation of a rock mass, stress and strain in a rock mass and deformation and failure of a rock mass. These are applied to rock slope stability analysis and design of underground excavations.

P: (1) ENCN 353 or (2) MATH 101 or MATH 102 or MATH 103 and (3) approval from the Head of Department of Geological Sciences

R: ENGE 485

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ENGE412-20X (C)** 08 June 2020 - 26 July 2020

### ENGE 413 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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ENGE413-20X (C)** 13 July 2020 - 18 Oct 2020

**ENGE413-20S2 (C)** Semester 2



**ENGE 414 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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ENGE414-20X (C)** 27 Apr 2020 - 31 May 2020**ENGE 416 Engineering Geology Synthesis and Project Preparation**

15 Points 0.1250 EFTS

Students will work on engineering geology synthesis by applying all of the skills they have learned in the ENGE courses to real-world based problems. Students will also prepare for the project portfolio (ENGE 691). The content of the projects is not fixed, and the principal aim is for students to prepare an industry relevant design or research project. The project itself may be primarily field based, it could be mostly a laboratory study, and there will be components of literature review and project planning involved.

P: (1) ENGE 410 and (2) approval from the Head of Department of Geological Sciences

R: ENGE 495

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ENGE416-20X (C)** 06 Apr 2020 - 08 Nov 2020**ENGE 481 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ENGE481-20S1 (C)** Semester 1**ENGE 482 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**ENGE482-20S2 (C)** Semester 2**ENGE 491 Research Project**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**ENGE 690 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**ENGE690-20A (C)** Starts Anytime

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

**ENGE 691 Engineering Geology Project Portfolio**

60 Points 0.5000 EFTS

Professional design or research project in Engineering Geology. The emphasis is on developing technical and professional skills by working on: progress presentations, progress reporting, project management, poster presentation and manuscript writing, all of which will constitute a portfolio that can be used in their professional careers.

P: 120 Points at 400-level including ENGE 410, 411, 412, 413, 414, 415, 416 and DRRE 402.

Substitutions may be made in exceptional circumstances.

Domestic Fee: \$3,974 (2019)

International Fee: \$19,200 (2019)

**ENGE691-20X (C)** 01 June 2020 - 31 Jan 2021**ENGE 790 Engineering Geology PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**ENGE790-20A (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.

# Engineering Management

*Te Rāngai Pūkaha | College 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

**ENMG 601 Engineering Accounting**

12 Points 0.1000 EFTS

Financial Accounting, Management Accounting.

P: Subject to approval of the Programme Director.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENMG601-20W (C)** Whole Year (S1 and S2)**ENMG 602 Engineering Economics and Finance**

12 Points 0.1000 EFTS

Microeconomics, Macroeconomics, Finance.

P: Subject to approval of the Programme Director.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENMG602-20W (C)** Whole Year (S1 and S2)**ENMG 603 Legal and Human Resources**

12 Points 0.1000 EFTS

Business Law, Human Resources Management, Intellectual Property Law and Management.

P: Subject to approval of the Programme Director.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENMG603-20W (C)** Whole Year (S1 and S2)**ENMG 604 Technology, Innovation and Engineering Management**

12 Points 0.1000 EFTS

Engineering Management, Technology and Innovation Management, Quality Management, Project Management, Maintenance Management.

P: Subject to approval of the Programme Director.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENMG604-20W (C)** Whole Year (S1 and S2)**ENMG 605 Marketing, Selling and Service**

12 Points 0.1000 EFTS

Marketing, Sales, Strategic Marketing.

P: Subject to approval of the Programme Director.

Domestic Fee: \$785 (2019)

International Fee: \$3,150 (2019)

**ENMG605-20W (C)** Whole Year (S1 and S2)**ENMG 606 Strategic Management**

12 Points 0.1000 EFTS

Strategic Management, Systems Engineering, Commercialisation, Operations Management.

P: Subject to approval of the Programme Director.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENMG606-20W (C)** Whole Year (S1 and S2)**ENMG 607 Special Topic**

12 Points 0.1000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENMG607-20W (C)** Whole Year (S1 and S2)**ENMG 608 Special Topic**

12 Points 0.1000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$881 (2019)

International Fee: \$4,400 (2019)

**ENMG608-20W (C)** Whole Year (S1 and S2)

**ENMG 609 Special Topic**

12 Points 0.1000 EFTS  
 P: Subject to approval of the Programme Director.  
 Domestic Fee: \$881 (2019)  
 International Fee: \$4,400 (2019)  
**ENMG609-20W (C) Whole Year (S1 and S2)**

**ENMG 680 Management ME Project**

48 Points 0.4000 EFTS  
 Project in Engineering Technology or Innovation Management or Commercialisation to be undertaken.  
 P: Subject to approval of the Programme Director.  
 Domestic Fee: \$3,526 (2019)  
 International Fee: \$17,600 (2019)  
**ENMG680-20A (C) Starts Anytime**

**ENMG 790 Engineering Management PhD**

120 Points 1.0000 EFTS  
 P: Subject to approval of the Programme Director.  
 Domestic Fee: \$8,459 (2019)  
 International Fee: \$44,000 (2019)  
**ENMG790-20A (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.*

## Engineering Mathematics

School of Mathematics and Statistics

**EMTH 110 Engineering Mathematics Tutorial**

0 Points 0.0000 EFTS  
**Not offered in 2020**  
 This is an EFTS free course (no credit) for the use of offering tutorials for students who have been granted direct entry into the First Professional Year of an Engineering Discipline or a modified Intermediate who is taking 200 level Engineering Mathematics courses. This course is by invitation only. There is no assessment in this course.  
 P: Subject to approval from the Dean of Engineering and Forestry

**EMTH 118 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) MATH 101, 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: MATH 102, MATH 108, MATH 199  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH118-20S1 (C) Semester 1**  
**EMTH118-20S2 (C) Semester 2**

**EMTH 119 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: EMTH 118  
 R: MATH 103, MATH 109, MATH 199  
 Domestic Fee: \$956 (2019)  
 International Fee: \$5,250 (2019)  
**EMTH119-19SU2 (C) Summer (Nov 19)**  
**EMTH119-20S2 (C) Semester 2**

**EMTH 171 Mathematical Modelling and Computation**

15 Points 0.1250 EFTS  
 An introduction to mathematical modelling and simulation via case studies using standard computer packages. Structured programming for mathematical problem solving.  
 P: 1) MATH 101, 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 6 at SL in Mathematics, or 5) approval of the Head of School

based on alternative prior learning.  
 C: EMTH 118 or EMTH 119 or MATH 103  
 R: MATH 170, MATH 171  
 RP: It is strongly recommended that students should have passed EMTH 118 or MATH 102 before taking EMTH 171. A prior or concurrent enrolment in EMTH 119 or MATH 103 is also recommended. If you are taking EMTH 171 concurrently with EMTH 118 or MATH 102, you are likely to experience difficulties and need to put in extra work.  
 Domestic Fee: \$956 (2019)  
 International Fee: \$5,250 (2019)  
**EMTH171-19SU2 (C) Summer (Nov 19)**  
**EMTH171-20S2 (C) Semester 2**

**EMTH 210 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: EMTH 202, EMTH 204, MATH 201, MATH 261, MATH 262, MATH 264  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH210-20S1 (C) Semester 1**

**EMTH 211 Engineering Linear Algebra and Statistics**

15 Points 0.1250 EFTS  
 A linear/matrix algebra course using MATLAB, with engineering applications and a component of statistics for engineers.  
 P: Subject to approval of the Dean of Engineering and Forestry.  
 R: EMTH 203, EMTH 204, MATH 203, MATH 254, MATH 252, MATH 251  
 RP: EMTH 210  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH211-20S2 (C) Semester 2**

**EMTH 271 Mathematical Modelling and Computation 2**

15 Points 0.1250 EFTS  
 Use of the package MATLAB including matrix algebra, user-defined functions, surface plotting. Numerical methods including solutions of systems of linear equations, solution of ordinary differential equations and systems of equations, approximation techniques. Modelling projects and engineering applications.  
 P: (1) EMTH 171, MATH 170 or MATH 171; (2) Subject to approval of the Dean of Engineering and Forestry.  
 R: MATH 270, MATH 271  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH271-20S2 (C) Semester 2**

**EMTH 410 Special Topic in Engineering Mathematics**

15 Points 0.1250 EFTS  
 P: Subject to the approval of the Head of School.  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH410-20S1 (C) Semester 1**

**EMTH 411 Special Topic in Engineering Mathematics**

15 Points 0.1250 EFTS  
 P: Subject to approval of the Head of School.  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH411-20S2 (C) Semester 2**

**EMTH 413 Special Topic in Engineering Mathematics**

15 Points 0.1250 EFTS  
 P: Subject to approval of the Head of School.  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH413-20S1 (C) Semester 1**

**EMTH 414 Special Topic in Engineering Mathematics**

15 Points 0.1250 EFTS  
 P: Subject to approval of the Head of School.  
 Domestic Fee: \$975 (2019)  
 International Fee: \$5,500 (2019)  
**EMTH414-20S1 (C) Semester 1**

**EMTH 415 Special Topic in Engineering Mathematics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

R: MATH 363

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**EMTH415-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**EMTH 600 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.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**EMTH600-20S2 (C) Semester 2****EMTH 601 Mathematical Models in Biology**

15 Points 0.1250 EFTS

**Not offered in 2020**

The application of mathematical modelling and differential equations to biology, in particular to cell physiology.

P: Subject to approval of the Head of School.

**EMTH 602 Computational Fluid Mechanics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Applications of differential equations to fluid mechanics.

P: Subject to approval of the Head of School.

**EMTH 603 Numerical Solution of Partial Differential Equations**

15 Points 0.1250 EFTS

**Not offered in 2020**

Solution of modern problems in applied mathematics, engineering and physical sciences. The numerical solution of ordinary differential equations is an essential tool.

P: Subject to approval of the Head of School.

**EMTH 604 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: MATH 412

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**EMTH604-20S1 (C) Semester 1****EMTH 605 Approximation Theory**

15 Points 0.1250 EFTS

**Not offered in 2020**

A self-contained introduction to the approximation of functions of one variable, establishing the language and concepts, with an emphasis on connections with numerical analysis.

P: Subject to approval of the Head of School.

**EMTH 606 Algebraic and Symbolic Computation**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to Gröbner bases and applications of systems of multivariate polynomial equations.

P: Subject to approval of the Head of School.

**EMTH 607 Cryptography and Coding Theory**

15 Points 0.1250 EFTS

**Not offered in 2020**

The mathematics of binary linear codes.

P: Subject to approval of the Head of School.

**EMTH 608 Industrial Case Studies**

15 Points 0.1250 EFTS

**Not offered in 2020**

A detailed analysis involving the formulation, solution, and interpretation of a number of applications using a range of methodologies (discrete, continuous, and stochastic) to determine strategies and underpin decision-support.

P: Subject to approval of the Head of School.

**EMTH 609 Special Topic in Engineering Mathematics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**EMTH609-20S1 (C) Semester 1****EMTH 610 Special Topic in Engineering Mathematics**

15 Points 0.1250 EFTS

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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**EMTH610-20S2 (C) Semester 2****EMTH 611 Advanced Mathematical Methods**

15 Points 0.1250 EFTS

**Not offered in 2020**

Advanced linear algebra: decomposition of linear systems, eigen-system methods, conjugate gradients, GMRES. Advanced calculus: multivariate calculus; linearisation, surface integrals, tensor analysis. Complex variable methods. Modelling of engineering systems. Asymptotic methods.

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

RP: BE (Hons) or equivalent

**EMTH 612 Advanced Computational Techniques**

15 Points 0.1250 EFTS

**Not offered in 2020**

Numerical approximation and cubic splines; numerical solution of non-linear algebraic equations; numerical optimisation for unconstrained and constrained problems; numerical solution of initial value and boundary value ordinary differential equation problems and differential algebraic systems; numerical solution of partial differential equations by finite differences, multigrid, spectral methods and finite element techniques.

P: Subject to approval of the Head of School.

RP: BE (Hons) or equivalent

**EMTH 613 Advanced Statistical Methods**

15 Points 0.1250 EFTS

**Not offered in 2020**

Probability theory and stochastic processes; Monte Carlo methods and simulation; stochastic optimisation; machine learning; pattern recognition; classification and regression; time series; information engineering.

P: Subject to approval of the Head of School.

RP: BE (Hons) or equivalent

**EMTH 614 Advanced Differential Equations**

15 Points 0.1250 EFTS

**Not offered in 2020**

Solution of odes: Linear problems: Initial value problems, Boundary value problems; Non-linear quantitative methods, dynamical systems. Solution of pdes: method of characteristics, classification of pde; Fourier series, Hilbert space, Sturm-Liouville: separation of variables solution of elliptic, parabolic and hyperbolic equations. Integral transforms and green functions. Variational methods.

P: Subject to approval of the Head of School.

RP: BE (Hons)

**EMTH 620 High Performance Computing**

15 Points 0.1250 EFTS

**Not offered in 2020**

Features of HPTC: HPTC programming considerations, software technologies, enabling technologies and algorithms. HPTC Programming, Parallel programming. Applications of HPTC to engineering science: Parallel and distributed computing in numerical linear algebra, pdes, odes and optimisation. Applications to: nonlinear dynamical systems, nonlinear fluid mechanics, bio-engineering

P: Subject to approval of the Head of School.

RP: BE (Hons)

**EMTH 675 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**EMTH675-20S1 (C)** Semester 1**EMTH675-20S2 (C)** Semester 2

## English

*Te Kura Kete Aronui | School of Humanities and Creative Arts***ENGL 102 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL102-20S1 (C)** Semester 1**ENGL 103 The Outsider**

15 Points 0.1250 EFTS

However you think about the outsider - as artist, as outlaw or anarchist, as hero or scapegoat, as criminal or critic - it is clear that this figure is a constant in the study of literature. In this course we shall investigate the way the figure of the outsider has been represented in the traditions of American and New Zealand literature. Furthermore, we will bring to bear on this figure three key critical contexts: romanticism, modernism and post-colonialism.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL103-20S2 (C)** Semester 2**ENGL 104 The Stage and Stagecraft**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course covers the European historical backgrounds informing the modern stage. It also examines how the same fundamental dynamics occur in contemporary theatres, and in other performance situations nowadays, such as marae theatre, passion plays and other site-specific shows.

**ENGL 107 Shakespeare**

15 Points 0.1250 EFTS

**Not offered in 2020**

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.

**ENGL 110 Māori Writing in English**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to Māori writing in English from its origins early in the period after the Second World War to its flowering in the late Twentieth Century, with emphasis on its generic and regional variety.

**ENGL 115 Childhood in Children's Literature**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to the changing representations of the child and childhood in children's literature from the late 18th century to the present.

R: ENGL 212, GEND 105

**ENGL 117 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: WRIT 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL117-20S1 (C)** Summer (Jan 20)**ENGL117-20S1 (C)** Semester 1**ENGL117-20S2 (C)** Semester 2**ENGL 118 Creative Writing: Skills, Techniques and Strategies**

15 Points 0.1250 EFTS

This course provides a thorough grounding in the skills, techniques and tricks a writer needs to transform ideas and material into art. Guided exercises will develop students' perception, observation and research skills. The study of selected poetry, song lyrics and monologues will provide an understanding of fundamental techniques and approaches, as well as inspiration for students' own writing.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL118-20S1 (C)** Semester 1**ENGL 132 Cultural Studies: Reading Culture**

15 Points 0.1250 EFTS

An introduction to Cultural Studies, emphasising aspects of the field that are most pertinent to English Studies: the textuality of culture, cultural history, and cultural value and taste.

R: CULT 132

EQ: CULT 132

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL132-20S2 (C)** Semester 2**WRIT 101 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: ENGL 117

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**WRIT101-20SU1 (C)** Summer (Jan 20)**WRIT101-20S1 (C)** Semester 1**WRIT101-20S2 (C)** Semester 2**ENGL 201 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL201-20S1 (C)** Semester 1**ENGL 202 Rebels, Devils and Cannibals: Literature and the Origins of Modernity**

15 Points 0.1250 EFTS

Examining a range of literary texts in English from the late sixteenth to the early eighteenth centuries, ENGL202/302 focuses on how the chosen works represent and are shaped by the first glimmerings of modern forms of culture and consciousness.

P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.

R: ENGL 302

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL202-20S2 (C)** Semester 2**ENGL 206 Science, Technology and Literature**

15 Points 0.1250 EFTS

This course will particularly concentrate on the last two centuries of intersections between science, technology and literature, assaying major trends and preoccupations present in a range of texts and theories. Within a general examination of literature's engagements, the development of science fiction forms and concerns will be considered, especially because of the way that the genre often speculates the fears and desires of its time onto both futuristic settings and "alternate realities". 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.

P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.

R: ENGL 306

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL206-20S2 (C)** Semester 2

**ENGL 210 Inventing New Zealand in Literature**

15 Points 0.1250 EFTS

ENGL 210 is an introduction to New Zealand literature. The course has a twentieth-century focus, and, in its survey of the century, examines texts that engage the issues of translation (a politics of metaphor) by which different ideas of 'New Zealandness' have been established and critiqued. What is it we mean when we speak of New Zealand literature? What are the assumptions, readings and interpretations employed in the formation of something like New Zealand identity, and what are their contexts?

P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**ENGL210-20S1 (C) Semester 1****ENGL 211 Exceptional Americans: An Introduction to American Literature**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: ENGL 109 and AMST 110

**ENGL 213 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.  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**ENGL213-20S2 (C) Semester 2****ENGL 220 Creative Writing: Short Fiction**

15 Points 0.1250 EFTS

This course gives instruction and advice on the writing of short fiction, using a wide range of examples to illustrate the variety of forms, methods, and themes that may be used by the professional writer. Emphasis is given to the variety of genres available and the range of different readerships involved.

P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**ENGL220-20S2 (C) Semester 2****ENGL 231 Creative Writing: Poetry**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course offers instruction and advice in the practice of writing poetry. A number of forms and styles will be studied, and writing exercises will be used to extend and develop the individual student's range of competencies. The course will culminate in the production by each student of a portfolio of his or her original work.

P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.  
R: ENGL 230

*Limited entry. See limitation of entry regulations. Selection will be made on the basis of a folio of work, submitted no later than 31 October in the year preceding enrolment (or no later than 31 May in the year of enrolment if offered in the second semester), to be assessed by the course convenor.*

**ENGL 232 Cultural Politics/Cultural Activism**

15 Points 0.1250 EFTS

The course considers the strategic roles that culture can play in influencing political and social change, studying a wide variety of cultural texts and practices.

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: CULT 202

EQ: CULT 202

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL232-20S1 (C) Semester 1****ENGL 233 Creative Writing for Stage**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course combines the development of students' creative writing with teaching of the practical skills and dramaturgic techniques of scripting for stage.

P: Any 15 points at 100 level from ENGL, or any 60 points at 100 level from the Schedule V of the BA.  
R: ENGL 234

**ENGL 238 Creative Writing for Screen**

15 Points 0.1250 EFTS

The objective of the course is to combine the development of students' creative writing with the practical skills and dramaturgic techniques of writing for film.

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: ENGL 234, CINE 210

EQ: CINE 210

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL238-20SU1 (C) Summer (Jan 20)****ENGL 243 From Bambi to Kong: The Animal in Popular Culture**

15 Points 0.1250 EFTS

This course provides an introduction to human-animal studies through an analysis of cinematic representations of animals and the environment across horror and science fiction genres, animation, comedy and documentary.

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: AMST 236, CULT 206, GEND 213, AMST 331, GEND 311, and ENGL 349

EQ: CULT 206

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL243-20S1 (C) Semester 1****ENGL 252 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: ENGL 352; CULT 252; CULT 352

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**ENGL252-20S1 (C) Semester 1****ENGL 302 Rebels, Devils and Cannibals: Literature and the Origins of Modernity**

30 Points 0.2500 EFTS

Examining a range of literary texts in English from the late sixteenth to the early eighteenth centuries, ENGL202/302 focuses on how the chosen works represent and are shaped by the first glimmerings of modern forms of culture and consciousness.

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

R: ENGL 202

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**ENGL302-20S2 (C) Semester 2****ENGL 304 Drama: Nineteenth and Twentieth Centuries**

30 Points 0.2500 EFTS

**Not offered in 2020**

An analysis of modern plays from a number of societies in terms of naturalism, gender, self-awareness, dramaturgy and the "death of tragedy".

P: 15 points of ENGL at 200-level with a B pass, or 30 points of ENGL at 200-level, or any 45 points at 200-level from the Arts Schedule.

**ENGL 305 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: EULC 204, EULC 304, EURA 204, EURA 304, CINE 214, RUSS 215, RUSS 216

EQ: EURA 304

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**ENGL305-20S2 (C) Semester 2**



**ENGL 306 Science, Technology and Literature**

30 Points 0.2500 EFTS

This course will particularly concentrate on the last two centuries of intersections between science, technology and literature, assaying major trends and preoccupations present in a range of texts and theories. Within a general examination of literature's engagements, the development of science fiction forms and concerns will be considered, especially because of the way that the genre often speculates the fears and desires of its time onto both futuristic settings and "alternate realities". 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.

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

R: ENGL 206

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**ENGL306-2052 (C) Semester 2****ENGL 313 Scream Theory: The Changing Face of Fear**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines shifting representations of the fearful, monstrous and abject in visual culture and popular culture more generally. Emphasis is placed on sociocultural, feminist and postmodern interpretations of horror themes in American, Japanese and New Zealand contexts.

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: AMST 313, CULT 317, AMST 413, ENGL 413, CULT 417

EQ: CULT 317

**ENGL 315 The Twentieth Century Novel**

30 Points 0.2500 EFTS

A comparative study of eight novels in English that reflect or have helped to shape our sense of what Isaiah Berlin called "this most terrible century in Western history". The course will examine the notion that the breakdown of families, hierarchies and nineteenth century imperial certainties contributed to the proliferation of parodic, subversive, and dystopian novels as the twentieth century progressed.

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

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**ENGL315-2051 (C) Semester 1****ENGL 316 New Zealand Literature 3**

30 Points 0.2500 EFTS

**Not offered in 2020**

A course which is designed to follow ENGL 210 (New Zealand Literature 2), examining in depth the ways in which New Zealand literature can be written about. The course consists of four units, each of which addresses a specific critical context.

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

**ENGL 317 Special Topic: Modern Poetry**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course introduces students to the high points and key parts of modern and contemporary poetry in English from W.B. Yeats to the present day, focusing on some of the major writers, movements and anthologies, and including figures from Britain, Ireland, the United States and New Zealand. Plenty of attention will be paid to individual poems.

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

R: ENGL 434

**ENGL 318 Reading Animals: Beast Fables to Graphic Novels**

30 Points 0.2500 EFTS

This course explores the role of imagery and narrative in constituting historical and contemporary conceptions of 'animality' and speciesism across a range of texts and media (including bestiaries, folklore and mythology; popular cooking shows and 'foodie' books; wildlife documentaries; contemporary and activist art; science fiction and graphic novels; and animal biographies).

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: CULT 335

EQ: CULT 335

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**ENGL318-2052 (C) Semester 2****ENGL 332 Sexualities in Culture**

30 Points 0.2500 EFTS

This course analyses representations and models of 'normal' and 'abnormal' sexuality as these occur in sexuality, 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: AMST 332, CULT 303, GEND 307, GEND 211

EQ: CULT 303

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**ENGL332-2051 (C) Semester 1****ENGL 333 The Exotic**

30 Points 0.2500 EFTS

**Not offered in 2020**

A course addressing the concept of the exotic as a category of taste and feeling through which to explore the politics and history of literatures in English. Exoticism will be considered via four main sub-categories: primitivism, orientalism, the marvellous and the introduced. A range of texts from the seventeenth to the twenty-first centuries will be studied, deriving from locations as diverse as Britain, Africa, the Indian Subcontinent, Latin America, the Caribbean and the Pacific.

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: ENGL 307, CULT 307, CULT 333

EQ: CULT 333

**ENGL 345 Reading Digitally: Electronic Texts in Literary Culture**

30 Points 0.2500 EFTS

**Not offered in 2020**

Digital technologies have influenced literary reading and writing at every level, including how we author, publish, distribute, read and study texts. This course equips students with skills for reading and writing in the digital age via a wide-ranging exploration of new media literatures, literature in relation to software cultures, changes to reading practices and cognition, and recent digital research tools and methods. The course will introduce students to new software and some technical concepts, but no special skills or knowledge are required.

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

R: DIGI 301

EQ: DIGI 301

**ENGL 349 From Bambi to Kong: The Animal in Popular Culture**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course provides an introduction to human-animal studies through an analysis of cinematic representations of animals and the environment across horror and science fiction genres, animation, comedy and documentary.

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: ENGL 243, AMST 236, CULT 206, GEND 213, AMST 331, GEND 311

**ENGL 350 Creative Writing Masterclass: Special Topics in Creative Writing**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course teaches a special topic in creative writing varying from year to year and is offered by a distinguished practitioner in the area.

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

**ENGL 352 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: ENGL 252; CULT 252; CULT 352

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**ENGL352-2051 (C) Semester 1**

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**ENGL 408 Screen Shakespeare**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course focuses upon film adaptations of several of Shakespeare's plays, and will examine how the transition from literary text to screen changes and re-interprets Shakespeare's work for different purposes.

P: Subject to approval of the Head of Department.

R: CINE 420

EQ: CINE 420

**ENGL 410 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 be 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ENGL410-20S1 (C) Semester 1****ENGL 411 Intersectionalities: Humans, Animals and Otherness**

30 Points 0.2500 EFTS

In recent years, scholars in the Humanities have broadened out from a narrow focus on knowledge about "the human" and begun to investigate wider aspects of the nonhuman material world - especially the relationships between human culture, animals, environments and ecologies. These tendencies - variously labeled Ecocriticism, Zoöcriticism, Anthrozoology and Human-Animal Studies - are now generating some of the most vigorous and compelling work by researchers in Humanities disciplines. ENGL 411 offers an in-depth examination of key areas of this new interdisciplinary field.

P: Subject to approval of the Head of Department.

R: CULT 418

EQ: CULT 418

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ENGL411-20S2 (C) Semester 2****ENGL 412 '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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ENGL412-20S1 (C) Semester 1****ENGL 419 Special Topic: Digital Literary Studies**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: ENGL 317

**ENGL 421 Modern Poetry**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines in depth the work of W.B. Yeats. In order to provide a context for this study, the poetry of Ezra Pound and T.S. Eliot will also be surveyed. In the final part of the course students will have the option of studying more recent poets.

P: Subject to approval of the Head of Department.

**ENGL 427 New Zealand Literature: Recent Writing**

30 Points 0.2500 EFTS

**Not offered in 2020**

A course which addresses the issues involved in conducting original research in New Zealand literature. The focus is on New Zealand literary theory, and on skills for gathering information.

P: Subject to approval of the Head of Department.

**ENGL 431 Young Adult Fiction**

30 Points 0.2500 EFTS

**Not offered in 2020**

An examination of the varied genres of young adult fiction and its construction as a commodity with a specific niche market.

P: Subject to approval of the Head of Department.

**ENGL 442 Directed Reading and Writing**

30 Points 0.2500 EFTS

ENGL 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ENGL442-20S1 (C) Semester 1****ENGL442-20S2 (C) Semester 2****ENGL 444 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: FREN 444, GEND 413, TAFS 406, CINE 401

EQ: FREN 444

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ENGL444-20S1 (C) Semester 1****ENGL 445 The Essay Film**

30 Points 0.2500 EFTS

This course studies the essay film, a hybrid genre which troubles conventional distinctions between documentary and fiction, as the model for a new mode of critical practice.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**ENGL445-20S2 (C) Semester 2**

**ENGL 480 Research Essay**  
 30 Points 0.2500 EFTS  
 P: Subject to approval of the Head of Department.  
 Domestic Fee: \$1,884 (2019)  
 International Fee: \$7,675 (2019)  
**ENGL480-20S1 (C)** Semester 1  
**ENGL480-20S2 (C)** Semester 2

**ENGL 481 Creative Writing Project**  
 30 Points 0.2500 EFTS  
 The Creative Writing Project provides an opportunity for B.A. (Honours) and first-year M.A. students, particularly those who have completed some or all of the undergraduate creative writing pathway, to undertake an extended creative project under supervision. This may take the form of a long story, a group of stories, a collection of poems, a short play, or another form to be negotiated.  
 P: Subject to approval of the Head of Department.  
 Domestic Fee: \$1,884 (2019)  
 International Fee: \$7,675 (2019)  
**ENGL481-20S2 (C)** Semester 2

**ENGL 690 MA Thesis**  
 120 Points 1.0000 EFTS  
 P: Subject to approval of the Head of Department.  
 Domestic Fee: \$7,022 (2019)  
 International Fee: \$30,700 (2019)  
**ENGL690-20A (C)** Starts Anytime  
*Part-time enrolment (0.65 EFTS) is available on approval.*

**ENGL 790 English PhD**  
 120 Points 1.0000 EFTS  
 P: Subject to approval of the Head of Department.  
 Domestic Fee: \$7,022 (2019)  
 International Fee: \$30,700 (2019)  
**ENGL790-20A (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.*

## English Language

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

**ENLA 101 The English Language**  
 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: ENGL 123, ENGL 112, LING 111, LING 101  
 EQ: LING 101  
 Domestic Fee: \$761 (2019)  
 International Fee: \$3,188 (2019)  
**ENLA101-19SU2 (D)** Summer (Nov 19)  
**ENLA101-20S1 (C)** Semester 1

**ENLA 102 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: LING 102  
 EQ: LING 102  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**ENLA102-20S2 (C)** Semester 2

**ENLA 210 Language Variation Across Space and Time**  
 15 Points 0.1250 EFTS  
**Not offered in 2020**  
 Languages are not fixed; they vary across physical and social space and change over generations. These patterns of variation and change can be understood by studying the linguistic and social factors which affect language use. This course is an introduction to the sociolinguistic study of language variation and change. We examine how language varies both across individuals (e.g. according to a speaker's regional origin, gender, social class, ethnicity and age) and within individuals (e.g. how speakers adjust their language in different contexts depending on the social message they want to convey). Our consideration will include a detailed study of patterns of language change, with attention to changes currently taking place in English and other languages around the world.  
 P: ENLA 101 or LING 101 or ENLA 102 or LING 102  
 R: LING 203, LING 210  
 EQ: LING 210

**ENLA 310 New Zealand English**  
 30 Points 0.2500 EFTS  
 The entire history of New Zealand English can be tracked in the Origin of New Zealand English corpus (ONZE), housed at the University of Canterbury. Using this extensive collection of spoken language, we can compare the accents of the very earliest New Zealand born settlers to those of contemporary speakers, to examine how New Zealand English has changed. This allows us to answer interesting questions not only about New Zealand English but also about language change in general. This course has a practical focus which will provide hands-on experience in the analysis of New Zealand English. Students are trained in sociolinguistic methodology and in how to use the ONZE corpus, and are given the opportunity to conduct their own piece of research on language variation and/or change in New Zealand.  
 P: LING 206 or LING 207 or LING 210 or LING 215 or LING 216 or LING 217 or ENLA 210  
 R: LING 310  
 EQ: LING 310  
 Domestic Fee: \$1,553 (2019)  
 International Fee: \$6,750 (2019)  
**ENLA310-20S2 (C)** Semester 2

**ENLA 320 History of English**  
 30 Points 0.2500 EFTS  
**Not offered in 2020**  
 This course explores language variation and change, and illustrates these notions through a survey of the way in which English has varied and changed during its recorded history. It will look both at the social history of the language and the linguistic changes that have taken place over the last 1400 years.  
 P: LING 101 or ENLA 101.  
 R: LING 320, LING 220  
 RP: Any 200 level LING or ENLA course  
 EQ: LING 320

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)  
 P: 150 points, special application and interview, and permission of the Internship Director.  
 R: ARTS 395  
 EQ: ARTS 395  
 Domestic Fee: \$1,553 (2019)  
 International Fee: \$6,750 (2019)  
**PACE395-20A (C)** Starts Anytime  
**PACE395-20S1 (C)** Semester 1  
**PACE395-20S2 (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.*

# Environmental Science

*Te Kura Matū | School of Physical and Chemical Sciences*

## ENVR 101 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

ENVR101-20S2 (C) Semester 2

## ENVR 201 Environmental Science and Practice

15 Points 0.1250 EFTS

The course builds on the environmental science knowledge taught in ENVR101 using two core themes of waste disposal and agriculture and the environment. It also teaches basic field and laboratory skills required for Environmental Science. The course content will include both theoretical and practical aspects of working as an Environmental Scientist, including working in teams, health and safety, designing sampling programmes, and presentation of data.

P: ENVR 101

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

ENVR201-20S2 (C) Semester 2

## ENVR 301 Environmental Science: Cities and Coasts

30 Points 0.2500 EFTS

ENVR301 advances students' knowledge in environmental science focussing on coastal and urban areas. This course also develops professional skills required for environmental science including information management, working with communities, science communication, legal requirements and ethics.

P: ENVR 201

Domestic Fee: \$1,801 (2019)

International Fee: \$8,500 (2019)

ENVR301-20S1 (C) Semester 1

## ENVR 356 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: GEOL 356. 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.

Domestic Fee: \$1,801 (2019)

International Fee: \$8,500 (2019)

ENVR356-20X (C) 06 Jan 2020 - 21 June 2020

ENVR356-20S2 (C) Semester 2

Limited entry. See limitation of entry regulations.

## Tāura | Postgraduate

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

## ENVR 410 Concepts and Principles of Environmental Science

15 Points 0.1250 EFTS

Basic concepts and principles in environmental science.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

ENVR410-20S1 (C) Semester 1

## ENVR 411 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

ENVR411-20S2 (C) Semester 2

## ENVR 414 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: CHEM 324 or ENCN 281 or equivalent study

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

ENVR414-20S2 (C) Semester 2

## ENVR 480 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.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

ENVR480-20W (C) Whole Year (S1 and S2)

## ENVR 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

ENVR690-20A (C) Starts Anytime

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

## ENVR 790 Environmental Science PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

ENVR790-20A (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.

# European and European Union Studies

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

## EURA 101 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: EURO 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EURA101-20S1 (C) Semester 1

EURA101-20S1 (D) Semester 1

## EURA 104 European Languages in Europe and Beyond

15 Points 0.1250 EFTS

This is a one semester course for students undertaking a first year course in European languages or European studies, and is open to all undergraduates irrespective of their discipline. It covers a range of topics relating to the languages of Europe: how they developed and spread as a group of languages, as isolates, or the way in which (inter) national languages of Europe developed. The course also looks at the place languages take in the European Union, and how the construction of Europe insists on protecting language diversity. No knowledge of languages other than English is needed to take this course.

R: LING 104, EULC 104, EURO 104

EQ: LING 104

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

EURA104-20S2 (C) Semester 2

## EURA 201 European Identity and Culture: Multicultural Societies of Europe and the European Union

15 Points 0.1250 EFTS

This course looks at the social and cultural impacts of European integration. Employing a multidisciplinary perspective, this course aims to answer a set of questions: What are the key issues confronting the European Union (EU) and its citizens? How do current issues facing the EU - immigration multi-cultural and multi-lingual society, religious and political diversity - influence the motivation behind integration? The course examines the notions of Europe and the EU and the roles of individual, national and supranational identities in the EU's interactions

with its citizens and the world. There is an emphasis on interactive discussions, small group activities and access to experts in the field.

P: Any 15 points at 100 level from EURA, or any 60 points at 100 level from the Schedule V of the BA.

R: EURA 301, EURO 201, EURO 301

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**EURA201-20S2 (C) Semester 2**

### EURA 204 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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**EURA204-20S2 (C) Semester 2**

### EURA 210 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: EURA 310, EURO 210, EURO 310, GEOG 321

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**EURA210-20S1 (C) Semester 1**

### EURA 211 Classic Works in Political Philosophy - Machiavelli to Marx

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is an introduction to the history of political philosophy. It will focus on a number of topics including Machiavelli's *The Prince*, early modern constitutionalism, the invention of the modern state, the theory of sovereignty, political reason, the origins of social science, liberty and utilitarianism. The individual theorists who will be discussed include Bodin, Filmer, Locke, Hume, Burke, Bentham, and, Tocqueville, Marx & Mill.

P: Any 15 points at 100 level from EURA, PHIL, or POLS, or any 60 points at 100 level from the Schedule V of the BA.

R: POLS 201; PHIL 239

EQ: POLS 201; PHIL 239

### EURA 214 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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**EURA214-20S1 (C) Semester 1**

### EURA 221 The European Union and the Wider World

15 Points 0.1250 EFTS

**Not offered in 2020**

Students will be introduced to the range of EU external relations, to some of the key patterns in those relations, and to some of the specific relationships and policy areas that give substance to the EU's international actions. The focus is on issues of 'geo-economics' and political economy, and political/security issues will also be dealt with.

P: Any 15 points at 100 level from EURA, or any 60 points at 100 level from the Schedule V of the BA.

R: EURO 221

### EURA 223 The EU, Globalization and Migration

15 Points 0.1250 EFTS

**Not offered in 2020**

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: GEOG 213

### EURA 224 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 in EURA or EURO 100-level courses OR any 45 points at 100 level in Arts,

Commerce, Law or any 45 points with the approval of the course coordinator.

R: POLS 224, EURO 224, EURO 324, EURA 324

EQ: POLS 224

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

**EURA224-19SU2 (C) Summer (Nov 19)**

### EURA 226 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: HIST 269

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**EURA226-20S2 (C) Semester 2**

### EURA 234 Special Topic: European Foreign and Security 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 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. The course concludes with an assessment of institutional changes as a result of the Lisbon Treaty, in particular the creation of the European External Action Service (EEAS) that have further raised expectations as to the EU's external role.

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: EURO 234, and POLS 234 after 2013

EQ: POLS 234 after 2013

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**EURA234-20S1 (C) Semester 1**

### EURA 235 Tsardom to Empire: Russian History 1480 to 1917

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores aspects of social, political, economic, cultural, religious, and intellectual history of Russia prior to 1917, with a particular emphasis on the autocratic tradition as developed from 1480 onwards. The course also investigates the making of the Russian Empire while also examining ways in which political forces unique to Russia shaped the country's cultural specificity in the European context.

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: HIST 138, RUSS 111, HIST 235, HIST 335, RUSS 235, RUSS 335, EURA 335

RP: HIST 136 or HIST 137 or HIST 133

EQ: RUSS 235, HIST 235



**EURA 301 European Identity and Culture: Multicultural Societies of Europe and the European Union**

30 Points 0.2500 EFTS

This course looks at the social and cultural impacts of European integration. Employing a multidisciplinary perspective, this course aims to answer a set of questions: What are the key issues confronting the European Union (EU) and its citizens? How do current issues facing the EU - immigration multi-cultural and multi-lingual society, religious and political diversity - influence the motivation behind integration? The course examines the notions of Europe and the EU and the roles of individual, national and supranational identities in the EU's interactions with its citizens and the world. There is an emphasis on interactive discussions, small group activities and access to experts in the field.

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

R: EURA 201, EURO 201, EURO 301

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**EURA301-20S2 (C) Semester 2****EURA 304 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, CINE 214

EQ: ENGL 305

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**EURA304-20S2 (C) Semester 2****EURA 310 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: GEOG 321

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**EURA310-20S1 (C) Semester 1****EURA 311 European Union Legal Studies**

30 Points 0.2500 EFTS

**Not offered in 2020**

The course is designed to give non-lawyers a grounding in the basics of the European Legal System and its importance to the operation of the European Union. Topics to be examined will include the constitution of the European Union, the role of the European Court of Justice and the implications of European Union Law on domestic political and legal structures. Students will have the opportunity to examine these issues through deeper research-led examination of particular policy areas and constitutional structures.

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

R: EURO 311, LAWS 355

**EURA 324 Democratic and Economic Evolution of Europe**

30 Points 0.2500 EFTS

**Not offered in 2020**

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

**EURA 326 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: HIST 329

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**EURA326-20S2 (C) Semester 2****EURA 330 Special Topic: Contemporary Policy Challenges in the European Union.**

30 Points 0.2500 EFTS

The concept of power underpins this course in that the specific focus will be the policy process as the ultimate arena of power in society. Specific questions to be addressed include: What has been the historical trajectory of the integration process? Which are the powerful institutions and how are they organised? Does their power vary over time and circumstance? What kinds of institutional conflict (turf wars) emerge? How does change take place?

P: Either 15 points of EURA or EURO at 200 level with a B pass; or 30 points of EURA or EURO at 200-level; or any 45 points from the Arts Schedule.

R: EURO 330 in 2012

Domestic Fee: \$1,523 (2019)

International Fee: \$6,375 (2019)

**EURA330-19SU2 (C) Summer (Nov 19)****EURA330-19SU2 (D) Summer (Nov 19)****EURA 333 European Public Law**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines the constitutional and administrative structures of selected EU Member States and the EU itself. It focusses on their practical operation and the rules and principles that govern decision making in the European Union with a particular emphasis on how European policy is delivered and how individuals interact with the complex multi-level structure of European governance today. The course includes an examination of the EU's external relations and its impact on the Pacific region. This course is the first of its kind in New Zealand supported by the European Commission's Jean Monnet programme.

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

R: EURO 333, LAWS 388

EQ: LAWS 388

**EURA 335 Tsardom to Empire: Russian History 1480 to 1917**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course explores aspects of social, political, economic, cultural, religious, and intellectual history of Russia prior to 1917, with a particular emphasis on the autocratic tradition as developed from 1480 onwards. The course also investigates the making of the Russian Empire while also examining ways in which political forces unique to Russia shaped the country's cultural specificity in the European context.

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: HIST 138, HIST 235, HIST 335, RUSS 111, RUSS 235, RUSS 335, EURA 235, EURA 335

EQ: RUSS 335, HIST 335

**EURA 339 The Economics of European Integration**

15 Points 0.1250 EFTS

**Not offered in 2020**

Since the Treaty of Rome in 1957, the European Union (EU) has grown from a small customs union with six member states to become the largest integrated market in the world, with 28 members, more than 500 million citizens and a combined gross domestic product larger than that of the United States. This course provides an economic analysis of the processes and policies, which have driven Europe's economic and political integration, exploring the implications of a single market in which goods and services, labour and capital can move freely.

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

R: EURO 339, ECON 339.

RP: ENGL 117 or an essay-based course.

EQ: ECON 339

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C)** Starts Anytime  
**PACE395-20S1 (C)** Semester 1  
**PACE395-20S2 (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.

## 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

#### **EURO 401 The Idea of Europe and European Integration**

30 Points 0.2500 EFTS

The goal of this multidisciplinary course is to encompass the diversity of academic insights into the process of European integration, providing students with an appreciation for the historical context of integration and an understanding for the political, social, economic and cultural factors that influence the way in which the EU functions today. The course concentrates on Europe of the 21st century; however, some, earlier historical context is also provided where necessary. The course calls on the wide variety of recognized expertise existing in NZ and internationally.

P: Subject to approval of the NCRE Director.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EURO401-20CY (C)** Cross Year

#### **EURO 402 The EU in Europe and in the World: The EU's External Identities**

15 Points 0.1250 EFTS

The EU is increasingly an international actor in trade negotiations, world security issues, development aid and environmental policy. The course questions how the rest of the world views the Union in these roles is juxtaposed with the way the EU sees itself as an international actor. This is a course where students can gain unique perspectives in what the EU means for the Asia-Pacific and wider world and look at the question of how outsiders define what Europe is and what it stands for.

P: Subject to approval of the NCRE Director.

R: EURO 402 before 2014

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EURO402-20S2 (C)** Semester 2

#### **EURO 407 Special Topic**

30 Points 0.2500 EFTS

Not offered in 2020

P: Subject to approval of the NCRE Director.

#### **EURO 409 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.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EURO409-20S2 (C)** Semester 2

#### **EURO 415 Challenges of Post-Communism**

15 Points 0.1250 EFTS

Not offered in 2020

This interdisciplinary course examines the economic, political and socio-cultural challenges and dilemmas of post-communist transition in the countries of East Central and Eastern Europe. While the focus is on the examination and comparison of developments in East Central European, Baltic and Balkan states, the major development trends in the non-Baltic post-Soviet states will be considered as well. 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.

R: EURO 407 before 2014; EURO 409 before 2014;

#### **EURO 420 Nationalism and ethnic conflict in Post-Soviet Space**

30 Points 0.2500 EFTS

Not offered in 2020

Following the ideological bankruptcy of Soviet internationalism, ethnic clashes and tensions have swept across the expanses of the former USSR, fostering new nationalistic discourse and new cultural expressions of ethnic awareness. This course studies the historical and ideological roots and current manifestations of nationalism and ethnic conflict in Russia and the former Soviet republics.

P: Subject to approval of the NCRE Director.

R: RUSS 412, DIPL 415

EQ: RUSS 412, DIPL 415

#### **EURO 426 After the Fall of the Wall: The New Germany in the New Europe**

30 Points 0.2500 EFTS

Not offered in 2020

This course studies the current tensions in the political culture of Germany as it seeks to define a new international role for itself after the unification of the Federal Republic and the GDR.

P: Subject to approval of the NCRE Director.

R: GRMN 426

EQ: GRMN 426

#### **EURO 428 Rights and Realities: EU in the Asia Pacific**

15 Points 0.1250 EFTS

The European Union and human rights discourses in the Asia-Pacific Region.

P: Subject to approval of the NCRE Director.

R: EURO 318

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EURO428-20S2 (C)** Semester 2

#### **EURO 448 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: HIST 449, DIPL 428

EQ: HIST 449, DIPL 428

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EURO448-20S1 (C)** Semester 1

#### **EURO 456 European Business Law**

15 Points 0.1250 EFTS

Not offered in 2020

This course examines the legal framework for the conduct of business in the European Community as well as the wider implications of the role played in international trade by the EC as a trading power. The course analyses in detail the mechanisms for the creation and maintenance of the single market within the EC. To this end it considers the critical areas of free movement of goods, persons, services, economic enterprises (establishment) and capital as well as the contingent issues of taxation and harmonisation.

P: Subject to approval of Head of Department

R: ACCT 656

EQ: ACCT 656

#### **EURO 457 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: EURO 410, DIPL 426 before 2014, DIPL 420

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EURO457-20S1 (C)** Semester 1

#### **EURO 458 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: EURO 410, DIPL 426 before 2014, DIPL 421

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EURO458-20S1 (C)** Semester 1

**EURO 479 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: EURO 480

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EURO479-20S2 (C) Semester 2****EURO 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EURO480-20CY (C) Cross Year****EURO 482 European Studies Internship Course**

15 Points 0.1250 EFTS

A professional internship placement.

P: Subject to approval of the NCRE Director.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EURO482-20A (C) Starts Anytime****EURO482-20S1 (C) Semester 1****EURO482-20S2 (C) Semester 2****EURO 483 Research Topic Part A**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the NCRE Director.

**EURO 484 Research Topic Part B**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the NCRE Director.

**EURO 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the NCRE Director.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**EURO690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***EURO 692 MEuro Thesis**

90 Points 0.7500 EFTS

A research course.

C: EURO 479

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**EURO692-20A (C) Starts Anytime****EURO 790 European Studies PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**EURO790-20A (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.*

# 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***EVOL 480 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 BIOL 401 - BIOL 493 (refer to degree schedule).

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

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**EVOL480-20W (C) Whole Year (S1 and S2)****EVOL 690 MSc Thesis**

120 Points 1.0000 EFTS

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

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**EVOL690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***EVOL 790 PhD Thesis**

120 Points 1.0000 EFTS

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

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**EVOL790-20A (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.*

# Film

*Te Kura Kōwaiwai | Ilam School of Fine Arts***FILM 211 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: FINA 103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

**FILM211-20S1 (C) Semester 1****FILM 212 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: FILM 211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

**FILM212-20S2 (C) Semester 2****FILM 311 Film 3**

90 Points 0.7500 EFTS

P: FILM 212

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

**FILM311-20W (C) Whole Year (S1 and S2)****FILM 411 Film 4**

90 Points 0.7500 EFTS

P: FILM 311

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

**FILM411-20W (C) Whole Year (S1 and S2)**

## Tāura | Postgraduate

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

**FILM 501 Film**  
90 Points 0.7500 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$5,762 (2019)  
International Fee: \$26,850 (2019)  
**FILM501-20W (C) Whole Year (S1 and S2)**

**FILM 550 Research Paper**  
30 Points 0.2500 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$1,921 (2019)  
International Fee: \$8,950 (2019)  
**FILM550-20W (C) Whole Year (S1 and S2)**

**FILM 601 Film**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$7,683 (2019)  
International Fee: \$35,800 (2019)  
**FILM601-20A (C) Starts Anytime**

## Finance

## Department of Economics and Finance

**FINC 101 Personal Finance**  
15 Points 0.1250 EFTS  
Personal financial literacy and decision making, including consumption and investment, debt, insurance, retirement and estate planning.  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC101-20S1 (C) Semester 1**

**FINC 201 Business Finance**  
15 Points 0.1250 EFTS  
The core principles of the financial management of business firms.  
P: (1) ACCT 102 or MATH 103; and (2) STAT 101; and (3) a further 30 points  
R: FINC 202, AFIS 204  
RP: Students without a mathematics background equivalent to NCEA Level 2 should pass MATH 101 before enrolling in this course.  
EQ: AFIS 204  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC201-20S1 (C) Semester 1**  
**FINC201-20S2 (C) Semester 2**

**FINC 203 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) STAT 101; and (2) A further 45 points.  
R: AFIS 214  
EQ: AFIS 214  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC203-20S1 (C) Semester 1**

**FINC 205 Quantitative Finance**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
Introduction to personal finance using calculus and statistics: simple and compound interest; annuities and pensions; amortisation and mortgages; taxes; insurance; credit cards; stocks, bonds and risk.  
P: (1) MATH 102 or MATH 199; and (2) STAT 101  
RP: MATH 103

**FINC 301 Corporate Finance Theory and Policy**  
15 Points 0.1250 EFTS  
The theoretical principles of corporate finance and their applications to business policy.  
P: (1) FINC 201; and (2) MATH 101 or MATH 102 or MATH 199  
C: FINC 203  
R: FINC 354, AFIS 304  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC301-20S2 (C) Semester 2**

**FINC 302 Applied Corporate Finance**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
Using problem and case-based situations to illustrate the analysis of various topics in corporate finance.  
P: (1) FINC 201 and FINC 203; and (2) MATH 101 or MATH 102 or MATH 199  
*Limited entry. See limitation of entry regulations.*

**FINC 305 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) FINC 201; and (2) MATH 101 or MATH 102 or MATH 199  
C: FINC 203 or MATH 103  
R: FINC 616  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC305-20S1 (C) Semester 1**  
*Limited entry. See limitation of entry regulations.*

**FINC 308 Applied Financial Analysis and Valuation**  
15 Points 0.1250 EFTS  
The use and application of accounting information to financial problems.  
P: FINC 201  
C: FINC 203  
R: FINC 394 and AFIS 314  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC308-20S2 (C) Semester 2**

**FINC 311 Investments**  
15 Points 0.1250 EFTS  
The theoretical principles of investments and their applications to investment policy.  
P: (1) FINC 201; and (2) MATH 101 or MATH 102 or MATH 199  
C: FINC 203 or MATH 103  
R: FINC 364, AFIS 314  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC311-20S1 (C) Semester 1**

**FINC 312 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) FINC 201; and (2) MATH 101 or MATH 102 or MATH 199  
C: FINC 203 or MATH 103  
R: FINC 612  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**FINC312-20S1 (C) Semester 1**

**FINC 316 Fixed Income Securities**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
This course is an introduction to the theoretical and practical aspects of fixed income investing. Topics covered include features and valuation of debt instruments, yield spreads and measures, term structure of interest rates, and measurement of interest rate risk.  
P: (1) FINC 201 and FINC 203; and (2) MATH 102 or MATH 199  
RP: FINC 205

**FINC 323 Time Series Methods**

15 Points 0.1250 EFTS

**Not offered in 2020**

Analysis of sequentially collected data including data modelling and forecasting techniques.

P: (1) ECON 213; and (2) ECON 207 or FINC 205; and (3) MATH 102

R: STAT 317, ECON 323

EQ: ECON 323, STAT 317

**FINC 331 Financial Economics**

15 Points 0.1250 EFTS

The economics of finance, with applications to asset valuation, corporate finance, and portfolio management.

P: (1) ECON 207; and (2) FINC 201; and (3) MATH 102 or MATH 199

R: ECON 331

RP: FINC 205 or MATH 103

EQ: ECON 331

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**FINC331-20S2 (C) Semester 2****FINC 344 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: ECON 206 or FINC 201 or FINC 203

R: FINC 315, ECON 344, ECON 210

RP: 15 points in MATH or Year 13 Math with Calculus

EQ: ECON 344

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**FINC344-20S2 (C) Semester 2****FINC 345 The Economics of Risk and Insurance**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course analyses the nature and problem of risk and uncertainty and consumers' preferences regarding risk and risk taking. It examines the basic principles of risk and insurance, and the description of the characteristics of main types of insurance (both life and general). The course includes an introduction to the structure and operation of insurance markets (both local and international), and the function of insurance firms within the financial system. It covers the general principles of insurance underwriting and pricing, claims management and claims reserving process within the regulatory regime of the insurance industry.

P: ECON 207

RP: ECON 208

EQ: ECON 345

**FINC 370 Special Topic: Energy Financing**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course introduces students to the manner by which energy corporations manage their business risk exposures, and the derivative securities which can be utilised for this purpose.

P: (1) FINC 201 (2) FINC 203 (3) MATH 101

**FINC 390 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) FINC 201 and FINC 203 (2) Subject to approval of the Head of Department

R: ECON 390, ARTS 395, PACE 395

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**FINC390-20S1 (C) Semester 1****FINC390-20S2 (C) Semester 2****Tāura | Postgraduate***Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***FINC 608 Applied Financial Analysis and Valuation**

15 Points 0.1250 EFTS

The use and application of accounting information to financial problems.

P: Subject to approval of Head of Department

R: FINC 308

EQ: FINC 308

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC608-20S2 (C) Semester 2****FINC 610 Studies in Capital Markets**

15 Points 0.1250 EFTS

Studies in Capital Markets

P: Subject to approval of the Head of Department.

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC610-20S1 (C) Semester 1****FINC610-20S2 (C) Semester 2****FINC 612 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) FINC 201; and (3) FINC 203

R: FINC 312

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC612-20S1 (C) Semester 1****FINC 613 Studies in Capital Markets II**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC613-20S1 (C) Semester 1****FINC613-20S2 (C) Semester 2****FINC 614 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

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC614-20S1 (C) Semester 1****FINC 616 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: FINC 305

EQ: FINC 305

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC616-20S1 (C) Semester 1****FINC 618 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

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC618-20S2 (C) Semester 2**



**FINC 621 Advanced Corporate Finance**

15 Points 0.1250 EFTS

An examination of modern research in corporate finance and investment, including cost of capital and real options.

P: Subject to approval of the Head of Department.

RP: FINC 301, FINC 331 or ECON 331

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC621-20S1 (C) Semester 1**

**FINC 622 Advanced Financial Economics**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines modern research in financial economics. Topics covered include risk, portfolio theory, asset allocation, and multi-period asset pricing.

P: Subject to approval of the Head of Department.

**FINC 623 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.

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC623-20S2 (C) Semester 2**

**FINC 624 Asset Pricing**

15 Points 0.1250 EFTS

An examination and analysis of theories and applications of asset pricing.

P: Subject to approval of the Head of Department.

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC624-20S2 (C) Semester 2**

**FINC 625 Empirical Finance**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to time-series and event-study methods used in empirical finance research.

P: Subject to approval of the Head of Department.

**FINC 626 Topics in International Financial Markets**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will focus on international financial markets, specifically including recent financial crises.

P: Subject to approval of the Head of Department.

**FINC 627 Applied Financial Management**

15 Points 0.1250 EFTS

**Not offered in 2020**

Topics in applied financial management.

P: Subject to approval of the Head of Department.

**FINC 628 Risk Analysis**

15 Points 0.1250 EFTS

The measurement and analysis of risk for financial and non-financial institutions.

P: Subject to approval by Head of Department

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC628-20S1 (C) Semester 1**

**FINC 629 Credit Risk Management**

15 Points 0.1250 EFTS

Management of Credit Risks

P: Subject to approval of the Head of Department

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC629-20S1 (C) Semester 1**

**FINC 641 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: ECON 641

EQ: ECON 641

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC641-20S2 (C) Semester 2**

**FINC 643 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

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC643-20S1 (C) Semester 1**

**FINC 649 Financial Distress**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines modern research in corporate financial distress. Topics covered include distress identification, the link between distress and macroeconomic conditions, and financial bubbles.

P: Subject to approval of the Head of Department.

R: ACCT 625, ACIS 625, AFIS 625, FINC 653,

EQ: ACIS 625, ACCT 625

**FINC 650 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: ACCT 624

EQ: ACCT 624

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**FINC650-20S2 (C) Semester 2**

**FINC 679 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: ECON 679

Domestic Fee: \$901 (2019)

International Fee: \$3,738 (2019)

**FINC679-19SU2 (C) Summer (Nov 19)**

**FINC679-20S1 (C) Semester 1**

**FINC679-20S2 (C) Semester 2**

**FINC 680 Research Project**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**FINC680-20W (C) Whole Year (S1 and S2)**

**FINC 691 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: FINC 680

Domestic Fee: \$3,676 (2019)

International Fee: \$15,750 (2019)

**FINC691-20A (C) Starts Anytime****FINC 695 MCom Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**FINC695-20A (C) Starts Anytime**

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

**FINC 699 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**FINC699-20A (C) Starts Anytime****FINC 790 Finance PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**FINC790-20A (C) 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

### Department of Economics and Finance

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.**FIEC 601 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

Domestic Fee: \$982 (2019)

International Fee: \$3,438 (2019)

**FIEC601-20SU1 (C) Summer (Jan 20)****FIEC 675 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

Domestic Fee: \$2,703 (2019)

International Fee: \$9,375 (2019)

**FIEC675-19SU2 (C) Summer (Nov 19)**

## Financial Engineering

### Department of Economics and Finance

Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.**FENG 601 Applications of Financial Engineering**

45 Points 0.3750 EFTS

**Not offered in 2020**

Practical applications of financial engineering including Monte Carlo simulation, convex optimisation, and structural products and exotic derivatives. This course is a capstone course for the Master of Financial Engineering.

P: 135 points course work of Master in Financial Engineering

## Financial 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.**MFIN 601 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: MBAZ 601 and MBAZ 603; subject to the approval of the Programme Director.

RP: MBAZ 604

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MFIN601-20T2 (C) 18 May 2020 - 09 Aug 2020****MFIN 602 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: MBAZ 601 and MBAZ 603; subject to the approval of the Programme Director.

RP: MBAZ 604

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MFIN602-20T2 (C) 18 May 2020 - 09 Aug 2020****MFIN 603 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.

P: MBAZ 601 and MBAZ 603; subject to the approval of the Programme Director.

RP: MBAZ 604

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MFIN603-20T2 (C) 18 May 2020 - 09 Aug 2020****MFIN 670 Applied Research in Financial Management**

45 Points 0.3750 EFTS

This course consists of four modules in which students will undertake applied research projects. The modules are: Business in New Zealand; Cases in Financial and Management Accounting; Portfolio Management; Financial Decision-making.

P: Subject to the approval of the Programme Director.

R: FIEC 675

Domestic Fee: \$3,653 (2019)

International Fee: \$10,313 (2019)

**MFIN670-20X (C) 13 July 2020 - 13 Dec 2020****MFIN 671 Business in 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: MBAZ 601.

R: FIEC 675, MFIN 670

RP: MPAC 603

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MFIN671-20T3 (C) 31 Aug 2020 - 22 Nov 2020****MFIN 672 Cases in Financial and Management Accounting**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: MPAC 603

R: FIEC 675, MFIN 670

**MFIN 674 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 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) MFIN 601; (2) MFIN 602

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MFIN674-20T3 (C)** 31 Aug 2020 - 22 Nov 2020

## Fine Arts

*Te Kura Kōwaiwai | Ilam School of Fine Arts***FINA 101 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.

Domestic Fee: \$1,735 (2019)

International Fee: \$8,000 (2019)

**FINA101-20S1 (C)** Semester 1*Limited entry. See limitation of entry regulations.***FINA 102 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.

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**FINA102-20S1 (C)** Semester 1*Limited entry. See limitation of entry regulations.***FINA 103 Studio Practice**

45 Points 0.3750 EFTS

An introduction to a selection of fine arts studio practices.

P: Subject to approval of the Head of School. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

**FINA103-20S2 (C)** Semester 2*Limited entry. See limitation of entry regulations.*

## Tāura | Postgraduate

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

**FINA 450 Honours Research**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School. Entry to this course is limited.

Domestic Fee: \$8,174 (2019)

International Fee: \$35,800 (2019)

**FINA450-20W (C)** Whole Year (S1 and S2)*Limited entry. See limitation of entry regulations.***FINA 451 Honours Research A**

60 Points 0.5000 EFTS

P: With the permission of the Head of the School of Fine Arts.

Domestic Fee: \$4,087 (2019)

International Fee: \$17,900 (2019)

**FINA451-20W (C)** Whole Year (S1 and S2)*Limited entry. See limitation of entry regulations.***FINA 452 Honours Research B**

60 Points 0.5000 EFTS

P: With the permission of the Head of the School of Fine Arts.

Domestic Fee: \$4,087 (2019)

International Fee: \$17,900 (2019)

**FINA452-20W (C)** Whole Year (S1 and S2)*Limited entry. See limitation of entry regulations.*

## Fire Engineering

*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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

**ENFE 601 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: ENGR 403 or subject to approval of the Head of Department

R: ENCI 661

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE601-20S1 (C)** Semester 1**ENFE 602 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: ENGR 403

EQ: ENCI 663

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE602-20S1 (C)** Semester 1**ENFE 603 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: ENGR 403 or subject to approval of the Head of Department

R: ENCI 662

EQ: ENCI 662

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE603-20S1 (C)** Semester 1**ENFE 604 Fire Design Case Study**

15 Points 0.1250 EFTS

Specific fire engineering design of a case study building. Application of fire design computer models. Synthesis of life safety and property protection strategies.

P: ENGR 403 or approval of the Head of Department

C: ENFE 610

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE604-20S2 (C)** Semester 2**ENFE 610 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: ENGR 403

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE610-20X (C)** 06 July 2020 - 15 Nov 2020**ENFE 613 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**ENFE 614 Special Topic in Fire Engineering**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE614-20S1 (C)** Semester 1

**ENFE 615 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: ENGR 403 or approval of Head of Department

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE615-20S2 (C) Semester 2**

**ENFE 675 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE675-20S1 (C) Semester 1**

**ENFE675-20W (C) Whole Year (S1 and S2)**

**ENFE675-20S2 (C) Semester 2**

**ENFE 681 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.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFE681-20A (C) Starts Anytime**

**ENFE 682 Fire Project**

30 Points 0.2500 EFTS

A fire engineering project to be undertaken within one of the Departments of Engineering.

P: ENGR 403

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENFE682-20A (C) Starts Anytime**

**ENFE 683 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.

Domestic Fee: \$3,305 (2019)

International Fee: \$16,500 (2019)

**ENFE683-20A (C) Starts Anytime**

**ENFE 690 MEFE Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENFE690-20A (C) Starts Anytime**

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

**ENFE 790 Fire Engineering PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENFE790-20A (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.*

# Forest Engineering

*Te Kura Ngahere | School of Forestry***FORE 199 Workshop Training Course**

0 Points 0.0000 EFTS

Compulsory workshop training course for Forest Engineering students.

P: Approval into the BE(Hons) Forest Engineering.

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**FORE199-20W (C) Whole Year (S1 and S2)**

**ENFO 204 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: FORE 141, FORE 216

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENFO204-20S2 (C) Semester 2**

**ENFO 327 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: FORE 327

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENFO327-20S2 (C) Semester 2**

**ENFO 410 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.

Domestic Fee: \$2,115 (2019)

International Fee: \$11,000 (2019)

**ENFO410-20W (C) Whole Year (S1 and S2)**

**ENFO 491 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Director of Studies, Forest Engineering.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFO491-20S2 (C) Semester 2**

**ENFO 492 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Director of Studies, Forest Engineering.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENFO492-20S1 (C) Semester 1**

**ENFO 499 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: ENFO 410

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENFO499-20W (C) Whole Year (S1 and S2)**

## Tāura | Postgraduate

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

**ENFO 790 Forest Engineering PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**ENFO790-20A (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.

## Forestry

Te Kura Ngahere | School of Forestry

**FORE 102 Forests and Societies**

15 Points 0.1250 EFTS

The course explores the interactions between the world's forests and human societies, the benefits derived by humans and the need for forest management.

P: Head of Department approval to enrol required.

R: FORE 101, FORE 103, FORE 104, FORE 111, FORE 121

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE102-20S1 (D) Semester 1****FORE102-20S2 (D) Semester 2**

Only for those enrolling in the course by distance learning.

**FORE 105 Forests of the World**

15 Points 0.1250 EFTS

Forests of the world, wood energy, conservation and environment.

R: FORE 111, FORE 121

Domestic Fee: \$956 (2019)

International Fee: \$4,575 (2019)

**FORE105-19SU2 (D) Summer (Nov 19)****FORE105-20S1 (D) Semester 1****FORE105-20S2 (D) Semester 2****FORE 111 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: FORE 101, FORE 102, FORE 103, FORE 104, FORE 105, FORE 121

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE111-20S1 (C) Semester 1****FORE 131 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.

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE131-20S2 (C) Semester 2****FORE 141 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).

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE141-20S2 (C) Semester 2****FORE 151 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.

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE151-20S1 (C) Semester 1****FORE 205 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: FORE 305, ENFO 343, FORE 578

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE205-20S1 (C) Semester 1****FORE 215 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: FORE 151 or ENGR 101

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE215-20S2 (C) Semester 2****FORE 218 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: 30 points from FORE 111, FORE 121, BIOL 111 (BCHM 111), BIOL 112, or BIOL 113, or Subject to approval by the Chair Board of Studies.

R: BIOL 270, FORE 202

RP: BIOL 111 (BCHM 111), and/or BIOL 113, and/or BIOL 116

Domestic Fee: \$1,950 (2019)

International Fee: \$9,600 (2019)

**FORE218-20S1 (C) Semester 1****FORE 219 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: PAMS 202, BIOL 252, FORE 214

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE219-20S2 (C) Semester 2****FORE 222 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: STAT 101

R: STAT 201, FORE 210, STAT 220, STAT 222

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE222-20S1 (C) Semester 1****FORE 224 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: STAT 101

R: STAT 202, FORE 210, STAT 220, STAT 224

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**FORE224-20S2 (C) Semester 2****FORE 307 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: ENFO 307 prior to 2011, ENFO 492 prior to 2011

Domestic Fee: \$1,950 (2019)

International Fee: \$9,600 (2019)

**FORE307-20S1 (C) Semester 1**



## Forestry

### FORE 316 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: ENFO 316, FORE 316-prior to 2011, FORE 319, FORE 320, ENFO 491-prior to 2011.

Domestic Fee: \$1,950 (2019)

International Fee: \$9,600 (2019)

FORE316-20S2 (C) Semester 2

### FORE 327 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: ENFO 327, FORE 327 prior to 2011

Domestic Fee: \$1,950 (2019)

International Fee: \$9,600 (2019)

FORE327-20S2 (C) Semester 2

### FORE 342 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: FORE 442 prior to 2011

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

FORE342-20S1 (C) Semester 1

### FORE 414 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.

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

FORE414-20W (C) Whole Year (S1 and S2)

### FORE 419 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: FORE 316

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

FORE419-20S1 (C) Semester 1

FORE419-20W (C) Whole Year (S1 and S2)

### FORE 422 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 FORE 305 (01 Jan 2009 - present) or FORE 305 (01 Jan 2009 - present)

R: ENFO 422

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

FORE422-20S1 (C) Semester 1

### FORE 423 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: FORE 205 or FORE 305

R: ENFO 423

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

FORE423-20S2 (C) Semester 2

### FORE 426 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.

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

FORE426-20S2 (C) Semester 2

### FORE 435 Forest Economics 2

15 Points 0.1250 EFTS

Project analysis, forest valuation, risk and uncertainty. Forestry as a business.

P: FORE 215 or subject to approval of the Head of Department.

R: FORE 211, FORE 425

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

FORE435-20S1 (C) Semester 1

### FORE 436 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 improvement projects and the conservation of their genetic resources.

P: FORE 219, FORE 222 and FORE 224

R: FORE 408 (2006-2007)

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

FORE436-20S1 (C) Semester 1

### FORE 443 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: BIOS 201

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

FORE443-20S2 (C) Semester 2

### FORE 447 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: FORE 444, FORE 445, BIOL 379

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

FORE447-20S2 (C) Semester 2

### FORE 475 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

FORE475-20S1 (C) Semester 1

FORE475-20W (C) Whole Year (S1 and S2)

FORE475-20S2 (C) Semester 2

## Tāura | Postgraduate

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

### FORE 610 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

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

**FORE610-20S1 (C)** Semester 1

**FORE610-20S2 (C)** Semester 2

### FORE 616 Restoration Ecology

30 Points 0.2500 EFTS

General principles of restoration ecology, assessment of restoration success; restoration planning; conservation in productive landscapes.

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

**FORE616-20S2 (C)** Semester 2

### FORE 618 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: FORE 327, ENFO 327

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

**FORE618-20S2 (C)** Semester 2

### FORE 619 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: FORE 327

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

**FORE619-20S2 (C)** Semester 2

### FORE 624 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: FORE 631

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

**FORE624-20S1 (C)** Semester 1

### FORE 641 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: FORE 632, FORE 633

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

**FORE641-20S2 (C)** Semester 2

### FORE 642 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: FORE 342

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

**FORE642-20S1 (C)** Semester 1

### FORE 643 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

Domestic Fee: \$1,102 (2019)

International Fee: \$4,800 (2019)

**FORE643-20S1 (C)** Semester 1

**FORE643-20S2 (C)** Semester 2

### FORE 672 Special Topic: Research Project

60 Points 0.5000 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

### FORE 675 Independent Course of Study

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,204 (2019)

International Fee: \$9,600 (2019)

**FORE675-20S1 (C)** Semester 1

**FORE675-20W (C)** Whole Year (S1 and S2)

**FORE675-20S2 (C)** Semester 2

### FORE 679 MForSc Report

60 Points 0.5000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$4,407 (2019)

International Fee: \$19,200 (2019)

**FORE679-20A (C)** Starts Anytime

**FORE679-20S1 (C)** Semester 1

**FORE679-20S2 (C)** Semester 2

### FORE 690 MForSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$38,400 (2019)

**FORE690-20A (C)** Starts Anytime

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

### FORE 790 Forestry PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$38,400 (2019)

**FORE790-20A (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.*

## French

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

### FREN 106 French Culture and French Language 1

15 Points 0.1250 EFTS

**Not offered in 2020**

This course studies a selection of 20th-century French texts, films and topics in French culture. It assumes at least a Year 12 level of French comprehension.

R: FREN 105

### FREN 120 French Language Acquisition: Beginners (Summer)

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is for those who have little or no previous knowledge of the French language. It provides students with a knowledge of basic grammatical structures and vocabulary, and an understanding of some everyday French social customs and non-verbal communication.

R: FREN 121, FREN 127, FREN 104

*Limited entry. See limitation of entry regulations.*

**FREN 121 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: FREN 104, FREN 127, FREN 120

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**FREN121-20S1 (C) Semester 1****FREN 122 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: FREN 121, or NCEA Level 2 French, or placement test.

R: FREN 112, FREN 218

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**FREN122-20S2 (C) Semester 2****FREN 211 Banned Books and Countercultures**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course continues the study of French texts, films and topics in French culture. Students must be able to read French.

P: Any 60 points at 100 level from any subject. A reading knowledge of French required.

R: FREN 208, FREN 304, FREN 311

**FREN 221 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: FREN 122, or NCEA Level 3 French, or placement test.

R: FREN 123, FREN 111

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**FREN221-20S1 (C) Semester 1****FREN 222 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: FREN 221, or placement test.

R: FREN 124, FREN 111

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**FREN222-20S2 (C) Semester 2****FREN 223 Introduction to French Linguistics**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course covers a range of topics relating to the French language; its sounds, words, history, how it is used in society and the linguistic situation in France.

P: FREN 221

R: FREN 323, FREN 322 before 2015

**FREN 226 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: FREN 326

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**FREN226-20S2 (C) Semester 2****FREN 311 Banned Books and Countercultures**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course continues the study of French texts, films and topics in French culture. Students must be able to read French.

P: Any 60 points at 200 level from any subject. A reading knowledge of French required.

R: FREN 208, FREN 304, FREN 211

**FREN 321 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: FREN 222

R: FREN 201, FREN 202

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**FREN321-20S1 (C) Semester 1****FREN 322 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: FREN 321

R: FREN 301

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**FREN322-20S2 (C) Semester 2****FREN 323 Introduction to French Linguistics**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course covers a range of topics relating to the French language; its sounds, words, history, how it is used in society, and the linguistic situation in France.

P: FREN 321

R: FREN 223, FREN 322 before 2015

**FREN 326 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: FREN 226

RP: Students must have reading knowledge of French.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**FREN326-20S2 (C) Semester 2****PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**FREN 401 Language**

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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**FREN401-2052 (C)** Semester 2

### FREN 402 French Theatre

30 Points 0.2500 EFTS

Not offered in 2020

P: Subject to approval of the Programme Coordinator.

### FREN 404 French Poetry

30 Points 0.2500 EFTS

Not offered in 2020

P: Subject to approval of the Programme Coordinator.

### FREN 406 French Linguistics

30 Points 0.2500 EFTS

Not offered in 2020

This course may be offered either as a course or as an extended essay. Possible topics include the study of linguistic policies, and discourse analysis of the media.

P: Subject to approval of the Programme Coordinator.

### FREN 411 French Novel

30 Points 0.2500 EFTS

Not offered in 2020

A study of selected novels from France and the French-speaking world, from Proust until the present day.

P: Subject to approval of the Programme Coordinator.

### FREN 415 A Topic in the Modern French Novel

30 Points 0.2500 EFTS

Not offered in 2020

P: Subject to approval of the Programme Coordinator.

### FREN 418 Special Topic

30 Points 0.2500 EFTS

Not offered in 2020

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.

### FREN 422 Translation Theory and Practice

30 Points 0.2500 EFTS

Not offered in 2020

P: Subject to approval of the Programme Coordinator.

R: FREN 417, LANC 401

### FREN 444 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: TAFS 406, CINE 401, ENGL 444

EQ: ENGL 444

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**FREN444-2051 (C)** Semester 1

### FREN 480 Research Essay

30 Points 0.2500 EFTS

Not offered in 2020

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.

### FREN 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Coordinator.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**FREN690-20A (C)** Starts Anytime

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

### LANC 401 In Other Words What? Theory and Practice of Translation

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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**LANC401-2051 (C)** Semester 1

### FREN 790 French PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**FREN790-20A (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.

## Geographic Information Science

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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

### GISC 401 Foundations of Geographic Information Science

15 Points 0.1250 EFTS

Not offered in 2020

This course provides an essential introduction to postgraduate GIS and its fundamentals for students taking the Masters/PGDip in GIS programmes. Students will cover a range of topics including conceptual models, representation, technology, data capture, appreciation of theory and critical spatial thinking. Students will participate in an intensive week long course where they will meet their peers and staff, and learn and practice new skills to take with them for the remainder of the course.

P: Entry subject to the approval of the Programme Director, GIS.

RP: GEOG 205 and one other GIS course recommended

Limited entry. See limitation of entry regulations.

### GISC 402 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. The course will include a series of guest lecturers from experts across academia, industry and government providing insight into the landscape of employment or further research. 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 the approval of the Programme Director, GIS.

RP: GEOG 205, GISC 401

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC402-2052 (C)** Semester 2

Limited entry. See limitation of entry regulations.

### GISC 403 Cartography and Geovisualisation

15 Points 0.1250 EFTS

Not offered in 2020

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: Entry subject to the approval of the Programme Director, GIS.

RP: GEOG 205, GISC 401, GISC 404, GISC 406

## Geography

### **GISC 404 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, GIS.

RP: GEOG 205, GEOG 324

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC404-20S1 (C) Semester 1**

### **GISC 405 GIS Programming and Databases**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will develop students' ability to use programming methods for extending existing GIS software and composing open source components for GIS functionality. The knowledge and skills learned in this course will support a range of applications including data processing, visualisation, advanced spatial analysis, public participatory GIS and webGIS.

### **GISC 406 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.

R: GEOG 407

RP: GEOG 205, GEOG 313

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC406-20S1 (C) Semester 1**

### **GISC 411 Spatial Analytics for Health**

15 Points 0.1250 EFTS

This course will provide students with an introduction to the use of spatial analytics methods for the study of health, disease and health care. Students will be expected to apply these methods in developing a research proposal.

P: Entry is subject to the approval of the Programme Director: GIS.

RP: HLTH 462 recommended but not required.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC411-20S1 (C) Semester 1**

### **GISC 412 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 405, COSC 121, COSC 480, or any previous Python programming experience.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC412-20S2 (C) Semester 2**

### **GISC 413 Geomatic Data Acquisition Techniques**

15 Points 0.1250 EFTS

The course gives the students a broad understanding of the techniques and issues involved with position measurement and capture of geographic data or images. Much of the course material is concentrated on airborne photography, but other remote sensing, positioning and data gathering platforms are included, including GPS, oceanic platforms and sensors.

P: Entry is subject to the approval of the Director: GIS.

RP: GISC 404, GISC 406

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC413-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

### **GISC 415 Geographic Information Systems (GIS) Internship**

15 Points 0.1250 EFTS

This course allows students to utilize knowledge gained from the PGDipGIS/MGIS postgraduate courses within business, government and non-profit organisations while 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 PGDipGIS and MGIS programmes and subject to the approval of the MGIS Programme Director.

R: Subject to the approval of the MGIS Director against normal or previous employment.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC415-20S2 (C) Semester 2**

### **GISC 416 Conservation GIS**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is designed to advance students' skills in information location and retrieval, understanding of spatial conservation ecology, foster critical analysis of the research and statistical bases underlying conclusions reached in the literature, examine the relative strengths and weaknesses of different methods of spatial analyses, literature synthesis, understand theoretical perspectives relevant to the conservation GIS, and demonstrate an ability to identify the limitations of current research, and potential areas for further research.

P: GEOG 205 and (GEOG 324 or GEOG 323)

### **GISC 417 GIS Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

Special Topic in GIS that is offered by a visiting academic. May or may not be running in any particular year. See the programme director for further information.

P: Entry subject to the approval of the Programme Director

### **GISC 690 GIS Thesis**

120 Points 1.0000 EFTS

**Not offered in 2020**

P: 1) MGIS Part 1; 2) Entry subject to approval of the Director: GIS.

RP: GISC 401, GISC 402

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

## Geography

*Te Kura Aronukurangi | School of Earth and Environment*

### **GEOG 106 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: GEOG 103

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG106-20S2 (C) Semester 2**

### **GEOG 109 Physical Geography: Earth, Ocean, Atmosphere**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course covers environmental process theory as well as the technical skills needed to monitor and model environmental change. We examine the forces that control Earth systems, with case studies of three main sub-systems: the atmosphere and climate, the oceans and their coastal fringes, and high-energy terrestrial landscapes such as mountains. The course will deepen understanding of these subsystems as a framework for building science-informed environmental approaches.

### **GEOG 110 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: GEOG 107

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG110-20S1 (C) Semester 1**

### **GEOG 201 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: GEOG 201 prior to 2009.  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG201-20S1 (C) Semester 1**

**GEOG 205 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: DIGI 205 and GISC 422  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG205-20S1 (C) Semester 1**

**GEOG 206 Resource and Environmental Management**  
 15 Points 0.1250 EFTS  
 This course will provide students with a general introduction to debates in resource and environmental management, an understanding of the policies and practices of such management in New Zealand, a critical analysis of the concepts upon which these are based, and an insight into practical issues in this field, including environmental and social impact analysis and the Resource Management Act.  
 P: Any 30 points of 100 level geography, or GEOG 106 and ENVR 101, or entry with approval of the Head of Department.  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG206-20S2 (C) Semester 2**

**GEOG 208 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: GEOG 313  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG208-20S2 (C) Semester 2**

**GEOG 211 Environmental Processes: Research Practice**  
 15 Points 0.1250 EFTS  
 This course provides a field and practical based approach to investigating at least one major earth process from an integrated perspective. It is centred on a residential field trip to the Cass Basin Arthurs Pass. The learning is 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 the written project report. Assessment is based on a combination of assessed practicals and the field work research project report.  
 P: Any 30 points of 100 level geography, or entry with the approval of the Head of Department.  
 R: GEOG 201  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG211-20S1 (C) Semester 1**

**GEOG 213 The EU, Globalization and Migration**  
 15 Points 0.1250 EFTS  
**Not offered in 2020**  
 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: EURO 223, EURA 223  
 EQ: EURA 223

**GEOG 215 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: GEOG 305  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG215-20S2 (C) Semester 2**

**GEOG 217 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 GEOG 110 or GEOG 106.  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG217-20S2 (C) Semester 2**

**GEOG 222 Transport, Urban Development and Wellbeing**  
 15 Points 0.1250 EFTS  
 Nau mai ki GEOG 222 - welcome to GEOG 222. 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 GEOG 110 or GEOG 106  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**GEOG222-20S1 (C) Semester 1**

**GEOG 224 Language and Space**  
 15 Points 0.1250 EFTS  
 Bringing together sociolinguistics and human geography, this course uses data analysis to explore the interaction between language and space.  
 P: Any 15 points at 100 level from LING, GEOG or DIGI.  
 R: DIGI 224, LING 224  
 EQ: DIGI 224, LING 224  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**GEOG224-20S2 (C) Semester 2**

**GEOG 309 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 GEOG 206 and ENVR 201  
 R: GEOG 204, GEOG 303  
 Domestic Fee: \$1,735 (2019)  
 International Fee: \$8,500 (2019)  
**GEOG309-20S2 (C) Semester 2**

**GEOG 310 Weather Systems**  
 15 Points 0.1250 EFTS  
**Not offered in 2020**  
 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: 30 points of 200-level Geography, including GEOG 201, or in special cases with approval of the Head of Department.

**GEOG 311 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 GEOG 201, or in special cases with approval of the Head of Department.

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG311-20S1 (C) Semester 1****GEOG 312 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, including GEOG 201, or in special cases with approval of the Head of Department.

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG312-20S2 (C) Semester 2****GEOG 321 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: EURO 210, EURO 310, EURA 210, EURA 310

EQ: EURA 310

Domestic Fee: \$1,735 (2019)

International Fee: \$8,500 (2019)

**GEOG321-20S1 (C) Semester 1****GEOG 323 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 GEOG 205, or in special cases with approval of the Head of Department.

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG323-20S1 (C) Semester 1****GEOG 324 Web GIS and Geoinformatics**

15 Points 0.1250 EFTS

This course builds on GEOG 205 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. GEOG 324 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 GEOG 205, or in special cases with approval of the Head of Department. Recommended preparation: COSC 121, or equivalent introductory programming course.

RP: COSC 121, or equivalent introductory programming course.

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG324-20S2 (C) Semester 2****GEOG 325 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: GEOG 322

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG325-20S1 (C) Semester 1****GEOG 333 Geospatial sensing using embedded computers**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to sensing platforms for geospatial applications, using embedded computers and GIS. Students will develop skills for the acquisition of sensor data, sensor signal pre-processing/conditioning, integration with online GIS and visualization of gathered data in the form of both static and dynamic maps. Practical work focuses on programming hardware to work with different types of sensors, establishing web-based communication and interconnectivity between sensors and GIS, and processing and visualizing sensor data in different formats for geospatial applications including dynamic, real-time web maps. The course also includes a research component, where students will conceptualize, design, implement, test and present a custom geospatial sensing system.

P: GEOG 205 and ENCE 260 (or equivalents/relevant experience)

**GEOG 340 Field Based Geomorphic Applications**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines practical applications of geomorphology and environmental management, providing a basic understanding of regolith and soil genesis; relationships between soil erosion, fluvial processes and sedimentation; and the principles of landscape management and restoration. Field studies and practical examples include soil erosion and hydrology of forested and agricultural catchments, urban stream and wetland reconstruction, and the management of steepland environments.

P: 30 points of 200 level Geography, including GEOG 201, or in special cases with approval of the Head of Department.

**GEOG 345 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: 30 points of 200-level Geography or entry with the approval of the Head of Department.

**GEOG 351 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: GEOG 212

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**GEOG351-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**GEOG 401 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: GEOG 452

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**GEOG401-20S2 (C) Semester 2****GEOG 402 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: GEOG 446

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**GEOG402-20S1 (C)** Semester 1

**GEOG 404 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: GEOG 444

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**GEOG404-20S2 (C)** Semester 2

Limited entry. See limitation of entry regulations.

**GEOG 409 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: GEOG 437

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**GEOG409-20S1 (C)** Semester 1

**GEOG 412 Alpine and Polar Environments**

30 Points 0.2500 EFTS

Understanding physical processes and earth-atmosphere interactions in alpine and polar environments is crucial for the management of water resources, tourism and recreation, particularly in the context of global climate change. In this course, you will gain knowledge of these processes and interactions, and develop practical skills for collecting and analysing atmospheric, cryospheric (snow and ice) and geospatial data relevant to alpine and polar research.

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

R: GEOG 408 and GEOG 410

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**GEOG412-20S2 (C)** Semester 2

**GEOG 415 Geography Internship**

30 Points 0.2500 EFTS

This course allows Geography students to apply their discipline specific skills within business, government, industry and non-profit organisations while gaining work-related experience.

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

R: GISC 415

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**GEOG415-20S2 (C)** Semester 2

**GEOG 420 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: GEOG 480, GEOG 490, GEOG 481, GEOG 491

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**GEOG420-20W (C)** Whole Year (S1 and S2)

**GEOG420-20CY (C)** Cross Year

**GEOG 460 Bicultural Co-Governance**

15 Points 0.1250 EFTS

Not offered in 2020

This course will lay the foundation to understanding governance and co-governance models and approaches. A primary focus of the course is to integrate indigenous and non-indigenous

governance requirements with the purpose of articulating and designing transformative co-governance processes. Students will explore global case studies where indigenous and non-indigenous governance models have been integrated and applied to co-governance.

P: Subject to the approval of the Head of School

**GEOG 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**GEOG690-20A (C)** Starts Anytime

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

**GEOG 692 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.

Domestic Fee: \$4,087 (2019)

International Fee: \$19,200 (2019)

**GEOG692-20X (C)** 06 July 2020 - 14 Feb 2021

**GEOG 693 Geospatial Science and Technology Project**

60 Points 0.5000 EFTS

Masters project in Geography

P: Subject to approval of the Head of Department

Domestic Fee: \$4,007 (2019)

International Fee: \$18,300 (2019)

**GEOG693-19SU2 (C)** Summer (Nov 19)

**GEOG 694 Community or Workplace Based Project**

60 Points 0.5000 EFTS

Masters Project in Geography

P: Subject to approval of the Head of Department

Domestic Fee: \$4,087 (2019)

International Fee: \$19,200 (2019)

**GEOG694-20CY (C)** Cross Year

**GEOG 695 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 MA or MSc Regulations for details of the other requirements for the degree.

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**GEOG695-20A (C)** Starts Anytime

**GISC 422 Foundations of 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 foundational GIS and GPS software skills, including ArcView. The course will provide the geospatial knowledge and skills necessary for postgraduate geospatial study.

R: GEOG 205; DIGI 205

RP: Undergraduate degree or diploma

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GISC422-20S1 (C)** Semester 1

**GISC422-20S2 (C)** Semester 2

**GEOG 790 Geography PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**GEOG790-20A (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.

# Geology

*Te Kura Aronukurangi | School of Earth and Environment*

## GEOL 111 Planet Earth: An Introduction to Geology

15 Points 0.1250 EFTS

A general introduction to the study of the dynamic Earth and its geology, including Earth structure and plate tectonics, volcanic activity, crystal processes and the nature of minerals and rocks.

R: ENCI 271

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL111-20S1 (C) Summer (Jan 20)

GEOL111-20S1 (C) Semester 1

## GEOL 113 GeoHazards

15 Points 0.1250 EFTS

'GeoHazards' provides an introduction to the dynamic nature of the Earth's surface and the hazards that geological processes pose for human society. The introductory course focuses on earthquake, volcanic, tsunami, and landslide hazards - exploring how the processes occur, how they can be hazardous to society, analyses disaster events, and identifies strategies that reduce the impact of disasters.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL113-20S2 (C) Semester 2

## GEOL 115 The Dynamic Earth System

15 Points 0.1250 EFTS

The 4.55 billion year story of Earth is a story of constant renewal and interaction among tectonics, rocks, water, plants, animals, soil and air. The Dynamic Earth System teaches you how to read this story present in both the rock record and Earth's modern natural environment.

R: GEOL 112

RP: GEOL 111

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL115-20S2 (C) Semester 2

## GEOL 237 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL237-20S1 (C) Semester 1

GEOL237-20S2 (C) Semester 2

## GEOL 240 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 GEOL 240 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: GEOL 111 and any 15 points at 100 level from GEOL.

C: 15 points from any of GEOL 242-246 offered in the same semester

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL240-20S1 (C) Semester 1

## GEOL 241 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: GEOL 111 and any 15 points at 100 level from GEOL.

C: 15 points from any of GEOL 242-246 offered in the same semester

R: GEOL 231

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL241-20S2 (C) Semester 2

## GEOL 242 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: GEOL 111 and any 15 points at 100 level from GEOL.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL242-20S1 (C) Semester 1

## GEOL 243 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 geologists 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: GEOL 111 and any 15 points at 100 level from GEOL.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL243-20S1 (C) Semester 1

## GEOL 244 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: GEOL 111 and any 15 points at 100 level from GEOL.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL244-20S2 (C) Semester 2

## GEOL 246 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, BIOL, CHEM, PHYS at 100 level, GEOG 106, ENVR 101.

RP: GEOL 111; GEOL 113; GEOG 109; 100-level maths

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL246-20S2 (C) Semester 2

## GEOL 331 Principles of Basin Analysis

15 Points 0.1250 EFTS

An introduction to the principles, methods and tools of basin analysis.

P: GEOL 243 and any 15 points at 200 level from GEOL

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL331-20S2 (C) Semester 2

## GEOL 336 Magmatic Systems and Volcanology

15 Points 0.1250 EFTS

Study of magmatic systems including the nature and origin of igneous materials and links with the physical processes of volcanology.

P: GEOL 242 and any 15 points at 200 level from GEOL

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL336-20S2 (C) Semester 2

## GEOL 337 Geothermal and Ore Exploration

15 Points 0.1250 EFTS

Nature and origin of metallic ore deposits and how to find them, with emphasis on geophysical and geochemical exploration. Mining methods and mining geology.

P: GEOL 242 and any 15 points at 200 level from GEOL

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

GEOL337-20S1 (C) Semester 1

**GEOL 338 Engineering and Mining Geology**

15 Points 0.1250 EFTS

Principles and practices of geology associated with engineering and mining activities.

P: GEOL 242 and GEOL 246

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL338-20S2 (C) Semester 2****GEOL 339 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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL339-20S1 (C) Semester 1****GEOL 340 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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL340-20S1 (C) Semester 1****GEOL340-20S2 (C) Semester 2****GEOL 342 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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL342-20S1 (C) Semester 1****GEOL 343 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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL343-20S1 (C) Semester 1****GEOL343-20S2 (C) Semester 2****GEOL 351 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) GEOL 243 (3) 30 points from other GEOL 200-level courses.

C: 15 points from GEOL 331-357 offered in the same semester.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL351-20S1 (C) Semester 1****GEOL 352 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) GEOL 244 (3) 30 points from other GEOL 200-level courses.

C: 15 points from GEOL 331-357 offered in the same semester.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL352-20X (C) 03 Feb 2020 - 28 June 2020***This course involves fieldwork that takes place in February.***GEOL 354 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: Any 45 points at 200 level from GEOL.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL354-20S1 (C) Semester 1****GEOL 356 Field-focused Research Methods**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

R: ENVR 356

Domestic Fee: \$1,801 (2019)

International Fee: \$8,500 (2019)

**GEOL356-20X (C) 06 Jan 2020 - 21 June 2020****GEOL356-20S2 (C) Semester 2***This course involves fieldwork that takes place in January and February.***GEOL 357 Topics in New Zealand Geology**

15 Points 0.1250 EFTS

This course examines New Zealand geology in a regional and global context of tectonics, climate, and oceanographic events. Topics covered will include tectonics, resources and the geological development of New Zealand. The course aims to develop student's research, presentation and written communication, and geological synthesis skills, and to build an understanding of New Zealand geology relevant to our future. This course is seen as a capstone course for BSc students, and useful preparation for those going on to postgraduate study.

P: Any 45 points at 200 level from GEOL.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**GEOL357-20S2 (C) Semester 2****Tāura | Postgraduate***Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***GEOL 470 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: GEOL 351, GEOL 352 and 60 points from GEOL 300 level courses.

C: 90 points from GEOL 400 level choices or relevant 400 level courses from other departments with Head of Department approval

R: GEOL 490

RP: BSc in Geology

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**GEOL470-20A (C) Starts Anytime***Limited entry. See limitation of entry regulations.***GEOL 473 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GEOL473-20S2 (C) Semester 2****GEOL 474 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GEOL474-20S1 (C) Semester 1****GEOL 476 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**GEOL476-20X (C) 20 Jan 2020 - 28 June 2020**



German

### GEOL 477 Sediment Transport and Deposition

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will focus on depositional facies as a result of sediment transport processes and on the techniques used in facies analysis. Examples of topics include debris flow vs. fluvial transport in alluvial fans; the role of avulsion; fluvial vs. wave vs. tidal transport in deltas and along coastlines; turbidity currents vs. debris flows in shallow to deep marine settings; biogenic controls on sediment transport and sediment production; aeolian vs. fluvial in arid environments. The balance between sediment supply, tectonic subsidence rate, and sea level change affects all of these.

P: Subject to approval of the Head of Department.

### GEOL 478 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

GEOL478-20S2 (C) Semester 2

### GEOL 479 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 of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

GEOL479-20S1 (C) Semester 1

### GEOL 481 Applied Palaeobiology

15 Points 0.1250 EFTS

This course covers the application and interpretation of micro- and macrofossil data in the analysis of palaeoenvironments, along with taphonomy and bias in the fossil record, and aspects of New Zealand palaeobiogeography, through field and laboratory research projects and seminar based classes.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

GEOL481-20S1 (C) Semester 1

### GEOL 483 Coal and Environmental Geology

15 Points 0.1250 EFTS

The majority of the world's energy comes from fossil fuels. In New Zealand, Australasia and Asia, oil and gas are derived ultimately from coal and coal-bearing strata. Therefore, any exploration of oil and gas must be well founded in a basic understanding of coal geology. The use of coal and other carbon-based energy sources presents many challenges, not only in exploration but also in the downstream environmental effects. Today's geologists need to understand those consequences and risks.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

GEOL483-20S2 (C) Semester 2

### GEOL 484 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

GEOL484-20S2 (C) Semester 2

### GEOL 485 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

GEOL485-20S1 (C) Semester 1

GEOL485-20S2 (C) Semester 2

### GEOL 491 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

GEOL491-20A (C) Starts Anytime

### GEOL 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

GEOL690-20A (C) Starts Anytime

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

### GEOL 790 Geology PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

GEOL790-20A (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.

## German

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

### GRMN 151 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: GRMN 106, GRMN 114

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

GRMN151-20S1 (C) Semester 1

GRMN151-20S1 (D) Semester 1

### GRMN 152 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: GRMN 151, or placement test.

R: GRMN 115, GRMN 106

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

GRMN152-20S2 (C) Semester 2

GRMN152-20S2 (D) Semester 2

### GRMN 213 Highlights of German Culture

15 Points 0.1250 EFTS

**Not offered in 2020**

A survey of the main periods of German history and of the most important writers, artists and philosophers of German cultural history and their contributions to the history of ideas in Europe and beyond.

P: Any 15 points at 100 level from GRMN, or any 60 points at 100 level from the Schedule V of the BA.  
R: GRMN 113

### GRMN 236 Literary Responses to German Unification

15 Points 0.1250 EFTS

**Not offered in 2020**

The collapse of the GDR and German unification in 1990 was followed by a mass of writing: essays, diaries, autobiographies, novels, short stories, journalistic debate. This course offers an overview of the main topics and trends of the so-called "unification literature" and of the intellectual and public debate in the years following unification.

P: Any 15 points at 100 level from EURA or GRMN, or any 60 points at 100 level from the Schedule V of the BA.

R: GRMN 336, EURA 213, EURA 306

EQ: EURA 213

### GRMN 251 Intermediate German Language 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: GRMN 152, or German Level 3 NCEA, or placement test. Note: Students with Level 2 NCEA should apply to take an online placement test.

R: GRMN 108, GRMN 117  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**GRMN251-20S1 (C)** Semester 1

### GRMN 252 Intermediate German Language 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 GRMN 251 and places greater emphasis on writing and reading skills, including the reading of short stories.

P: GRMN 251, 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 GRMN 251.

R: GRMN 108, GRMN 118  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**GRMN252-20S2 (C)** Semester 2

### GRMN 336 Literary Responses to German Unification

30 Points 0.2500 EFTS

**Not offered in 2020**

The collapse of the GDR and German unification in 1990 was followed by a mass of writing: essays, diaries, autobiographies, novels, short stories, journalistic debate. This course offers an overview of the main topics and trends of the so-called "unification literature" and of the intellectual and public debate in the years following unification.

P: Any 60 points at 200 level from the Schedule V of the BA.

R: GRMN 236, EURA 213, EURA 306  
EQ: EURA 306

### GRMN 351 Advanced German Language 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: GRMN 252  
R: GRMN 210, GRMN 211, GRMN 301, GRMN 310, GRMN 311  
Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**GRMN351-20S1 (C)** Semester 1

### GRMN 352 Advanced German Language 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: GRMN 351  
R: GRMN 211, GRMN 301, GRMN 310, GRMN 311  
Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**GRMN352-20S2 (C)** Semester 2

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395  
EQ: ARTS 395  
Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**PACE395-20A (C)** Starts Anytime

**PACE395-20S1 (C)** Semester 1

**PACE395-20S2 (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.*

## Tāura | Postgraduate

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

### GRMN 401 German Language

30 Points 0.2500 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)

**GRMN401-20S2 (C)** Semester 2

### GRMN 406 A German Writer

30 Points 0.2500 EFTS

**Not offered in 2020**

Johann Wolfgang Goethe.

P: Subject to approval of the Programme Director.

### GRMN 426 After the Fall of the Wall: The New Germany in the New Europe

30 Points 0.2500 EFTS

**Not offered in 2020**

This course studies the current tensions in the political culture of Germany as it seeks to define a new international role for itself after the unification of the Federal Republic and the GDR.

P: Subject to approval of the Programme Director.

R: EURO 426  
EQ: EURO 426

### GRMN 480 Research Essay

30 Points 0.2500 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)

**GRMN480-20S2 (C)** Semester 2

### GRMN 481 Study Abroad in Germany

30 Points 0.2500 EFTS

**Not offered in 2020**

This course is studied in Germany during the first semester, with supervision from Canterbury. The course content depends on the offerings of the German partner university, but must be a German literature or culture course approved by the German Programme Director.

P: Subject to approval of the Programme Director.

### GRMN 482 Study Abroad in Germany

30 Points 0.2500 EFTS

**Not offered in 2020**

This course is studied in Germany during the first semester, with supervision from Canterbury. The course content depends on the offerings of the German partner university, but must be a German literature or culture course approved by the German Programme Director.

P: Subject to approval of the Programme Director.

### GRMN 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$7,022 (2019)  
International Fee: \$30,700 (2019)

**GRMN690-20A (C)** Starts Anytime

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

### LANC 401 In Other Words What? Theory and Practice of Translation

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.

Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)

**LANC401-20S1 (C)** Semester 1

### GRMN 790 German PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)  
International Fee: \$30,700 (2019)

**GRMN790-20A (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.*

# Graphic Design

Te Kura Kōwhiriwai | Ilam School of Fine Arts

## DESI 211 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: FINA 103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

**DESI211-20S1 (C) Semester 1**

Limited entry. See limitation of entry regulations.

## DESI 212 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: DESI 211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

**DESI212-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

## DESI 311 Graphic Design 3

90 Points 0.7500 EFTS

P: DESI 212

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

**DESI311-20W (C) Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

## DESI 411 Graphic Design 4

90 Points 0.7500 EFTS

P: DESI 311

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

**DESI411-20W (C) Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

## Tāura | Postgraduate

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

## DESI 501 Graphic Design

90 Points 0.7500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$5,762 (2019)

International Fee: \$26,850 (2019)

**DESI501-20W (C) Whole Year (S1 and S2)**

## DESI 550 Research Paper

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,921 (2019)

International Fee: \$8,950 (2019)

**DESI550-20W (C) Whole Year (S1 and S2)**

## DESI 601 Graphic Design

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$35,800 (2019)

**DESI601-20A (C) Starts Anytime**

# Hazard and Disaster Management

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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

## DRRE 403 Disaster Risk and Resilience Applications

15 Points 0.1250 EFTS

The DRRE 403 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: HAZM 403

RP: DRRE 401

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**DRRE403-20S2 (C) Semester 2**

## HAZM 790 Hazards and Disasters PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director, Department of Geological Sciences

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**HAZM790-20A (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.

# Health Sciences

Te Kura Mātai Hauora | School of Health Sciences

## HLED 121 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.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**HLED121-20S1 (C) Semester 1**

## HLED 122 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.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**HLED122-20S2 (C) Semester 2**

## HLTH 101 Introduction to Health Studies

15 Points 0.1250 EFTS

This course provides an interdisciplinary introduction to core topics in health studies including concepts of health, measuring health, determinants of health and health services organisation.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**HLTH101-20S1 (C) Semester 1**

**HLTH101-20S1 (D) Semester 1**

## HLTH 106 Ngā Take, 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.

Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)  
**HLTH106-20S2 (C) Semester 2**

**HLTH 110 Epidemiology**  
15 Points 0.1250 EFTS

This course introduces students to the measurement of health and disease in populations. Students will learn about defining and measuring health and disease. The course will cover quantitative methods to assess health and disease, including introductory epidemiology and biostatistics.

Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)  
**HLTH110-20S1 (C) Semester 1**

**HLTH 111 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.

RP: HLTH 101  
Domestic Fee: \$900 (2019)  
International Fee: \$4,250 (2019)  
**HLTH111-20S2 (C) Semester 2**

**HLED 221 Models of Health Education**  
15 Points 0.1250 EFTS

This course introduces students to theoretical models utilised within Health Education and promotion. It equips students with the skills required to apply their understanding of the models to a range of diverse needs and in a variety of settings. Community engagement and practical workshops enable students to develop an understanding of all stages of programme planning and the facilitation skills required to run education workshops.

P: HLED 121  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)  
**HLED221-20S1 (C) Semester 1**

**HLED 222 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: HLED 121 or HLED 122 or HLTH 101 or TECS 370  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)  
**HLED222-20S1 (C) Semester 1**

**HLED 223 Nutrition and Physical Activity**  
15 Points 0.1250 EFTS

This course equips students with the knowledge, skills and understanding necessary to develop programmes that enhance the physical activity and food choices of people in Aotearoa. The determinants of health that influence food choices and physical activity levels will be explored. A mini-internship in a nutrition/physical activity context provides students with the opportunity to engage with community initiatives.

P: HLED 121 or HLED 122 or HLTH 101 or TECS 370  
Domestic Fee: \$900 (2019)  
International Fee: \$4,250 (2019)  
**HLED223-20S2 (C) Semester 2**

**HLTH 201 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, or any 15 points at 100 level from HLTH.  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)  
**HLTH201-20S2 (C) Semester 2**

**HLTH 202 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, or any 30 points at 100 level from HLTH or SPCO, or any 15 points at 100 level from HLTH.  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)  
**HLTH202-20S2 (C) Semester 2**

**HLTH 213 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 from any subject, or any 30 points at 100 level from HLTH or SPCO, or any 15 points at 100 level from HLTH.  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)  
**HLTH213-20S1 (C) Semester 1**

**HLTH 214 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, or any 15 points at 100 level from HLTH.  
Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)  
**HLTH214-20S2 (C) Semester 2**

**HLED 321 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 HLTH 201, HLTH 202, and MAOR 270.  
Domestic Fee: \$900 (2019)  
International Fee: \$4,250 (2019)  
**HLED321-20S1 (C) Semester 1**  
**HLED321-20S2 (C) Semester 2**

**HLED 322 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 45 points from Health Science (HLTH, HPLA and HLED) at 200 level or above.  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)  
**HLED322-20S2 (C) Semester 2**

**HLTH 301 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, HPLA and HLED).  
Domestic Fee: \$1,801 (2019)  
International Fee: \$8,500 (2019)  
**HLTH301-20S2 (C) Semester 2**

**HLTH 306 Te Kete Hauora - Māori Health Knowledge and Understandings/Internship**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines the Māori health knowledge/action interface at a number of levels: 1) knowledge of intervention effectiveness through evaluation/monitoring of Māori health outcomes; 2) tools and methods used by services, policy-makers and researchers to collect and analyse Māori health data; and 3) knowledge, beliefs and experiences as they inform the health behaviour of Māori consumers. Addressing questions of 'how do we know what works for Māori health?' and 'what is Māori (health) knowledge?' will connect interventions/approaches to Treaty of Waitangi obligations, and Māori philosophy to health decision-making and investment.

P: HLTH 301

**HLTH 312 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).

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HLTH312-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**HLTH 401 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: HLTH 601

EQ: HLTH 601

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH401-20S1 (C) Semester 1****HLTH401-20S1 (D) Semester 1****HLTH401-20SU2 (C) Summer (Nov 19)****HLTH 402 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

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH402-20S2 (C) Semester 2****HLTH 403 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.

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH403-20S2 (D) Semester 2****HLTH 405 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: HLTH 605

EQ: HLTH 605

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH405-20A (D) Starts Anytime****HLTH 406 Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School

R: HLTH 606

EQ: HLTH 606

**HLTH 407 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: HLTH 433, HLTH 434, HLTH 607, PHIL 325, PHIL 433, PHIL 434, PHIL 474

EQ: HLTH 607

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH407-20S2 (C) Semester 2****HLTH 408 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

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**HLTH408-20A (D) Starts Anytime****HLTH408-20S2 (C) Semester 2****HLTH 409 Health and Culture**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 health as a case of the inter-relationships, principles and strategies for action.

P: Subject to approval of the Head of School

R: HLTH 609

**HLTH 410 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 New Zealand health sector organisations and the people who work in them.

P: Subject to approval of the Head of School

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH410-20S1 (C) Semester 1****HLTH410-20S1 (D) Semester 1****HLTH 415 Designing and Managing Learning and Supervision in a Health Care Setting**

15 Points 0.1250 EFTS

This course explores different approaches in teaching and learning in a health professional context through an exploration of the current literature and research. Participants are required to assess alternative perspectives; analyse these rigorously; and communicate their rationale for accepting a model applicable to their work context. Participants will also identify and compare models of supervision and processes for the management of individual learning experiences in a health context. This course prepares students to design and manage learning and supervision in a healthcare environment.

P: Subject to approval of the Head of School

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**HLTH415-20T1 (C) 24 Feb 2020 - 03 May 2020****HLTH415-20T1 (D) 24 Feb 2020 - 03 May 2020****HLTH415-20T4 (C) 31 Aug 2020 - 08 Nov 2020****HLTH415-20T4 (D) 31 Aug 2020 - 08 Nov 2020****HLTH415-20SU2 (C) Summer (Nov 19)****HLTH415-20SU2 (D) Summer (Nov 19)***Limited entry. See limitation of entry regulations.*



**HLTH 416 Issues and Processes in Learning and Supervision in a Health Care Setting**

15 Points 0.1250 EFTS

This course has an emphasis on psychological and social learning dimensions relevant to learning and supervision and therefore focuses on the cognitive and personal factors of how people learn, instructor/student relationships, case based learning, reflective practice and critical thinking, providing feedback, and encouraging self evaluation in working with small groups. Participants are required to critically review the literature in this area, demonstrate its application to teaching sessions, and present findings to the group. The course content can be applied equally to student and peer teaching, or to patient education.

P: Subject to approval of the Head of School

R: EDCT 701, EDCT 803

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**HLTH416-20SU1 (C)** Summer (Jan 20)**HLTH416-20SU1 (D)** Summer (Jan 20)**HLTH416-20T2 (C)** 04 May 2020 - 05 July 2020**HLTH416-20T2 (D)** 04 May 2020 - 05 July 2020

Limited entry. See limitation of entry regulations.

**HLTH 417 Education Proposal for a Health Context**

30 Points 0.2500 EFTS

HLTH 417 is an independent study that must be completed in a 6 - 12 month period. The course builds on the processes and skills learned in the earlier courses: HLTH 415 and HLTH 416. The course requires the student to apply these processes and skills, reflect on them, and then design and plan an approved project. The project design must be grounded in evidence-based educational practice, and a fit within a declared research methodology, or a business proposal model, or a quality monitoring and evaluative framework.

P: Subject to approval of the Head of School

R: EDCT 804

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH417-20A (C)** Starts Anytime**HLTH417-20A (D)** Starts Anytime

Limited entry. See limitation of entry regulations.

**HLTH 420 Early Intervention and Prevention in Public Health**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course provides an introduction to theory and research in early intervention and prevention across the range of public health and allied disciplines. Students acquire information on theory and research, and apply these to a study of their particular area of interest—identifying risk factors, existing prevention and intervention approaches, and prevention/intervention design.

P: Subject to approval of the Head of School

**HLTH 430 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

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH430-20S1 (D)** Semester 1**HLTH 431 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

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH431-20S2 (D)** Semester 2**HLTH 433 Bioethics A**

15 Points 0.1250 EFTS

This course examines frameworks for moral decision making in the health sector.

P: Subject to approval of the Head of School

R: HLTH 407, HLTH 607, PHIL 474

EQ: PHIL 474

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**HLTH433-20T3 (C)** 13 July 2020 - 06 Sep 2020**HLTH 434 Bioethics B**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines the history, legal, regulatory, monitoring and decision-making frameworks in the New Zealand health sector.

P: Subject to approval of the Head of School

R: HLTH 407, HLTH 607, PHIL 325, PHIL 434

EQ: PHIL 434

**HLTH 440 Family Health Assessment**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course will re-evaluate traditional family assessment tools, examine their practical consequences and optimise health practitioner's assessments through a skilled process of inquiry guided by relational practice and a socio-environmental understanding of health.

P: Subject to approval of the Head of School

**HLTH 441 Family Health in Complex Situations**

30 Points 0.2500 EFTS

**Not offered in 2020**

The course will examine family health practitioner's practice with families as a process of relational inquiry and its application in complex and uncertain situations.

P: Subject to approval of the Head of School

**HLTH 442 Special Topic: Research Related to Complementary and Alternative/Integrative Medicine (CAM/IM)**

30 Points 0.2500 EFTS

This course examines issues related to research in Complementary and Alternative/Integrative Medicine, including specific issues in CAM/IM research, as well as research design, data collection and data analysis, ethical issues and dissemination of results. Participants will receive individual mentoring for a research proposal of their choice.

P: Subject to approval of the Head of School

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH442-20S2 (C)** Semester 2**HLTH 448 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 whanau 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

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH448-20X (D)** 27 Jan 2020 - 03 May 2020**HLTH 449 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

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH449-20X (D)** 15 June 2020 - 04 Oct 2020**HLTH 450 Palliative Care: Advanced Theory and Practice**

30 Points 0.2500 EFTS

The course will explore historical, political and philosophical concepts and issues in relation to palliative care across the lifespan. Students from different professional backgrounds will learn together in order to explore, reflect and extend the range of their palliative practice. International, national and local community influences will be explored.

P: Subject to approval of the Head of School

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH450-20X (D)** 22 June 2020 - 01 Nov 2020

**HLTH 460 Critical Appraisal in Health Research**

30 Points 0.2500 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 of the Head of School

R: HLTH 462

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH460-20S1 (C) Semester 1****HLTH 461 Special Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Director, Health Sciences Centre

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH461-20S2 (C) Semester 2****HLTH 462 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: HLTH 460

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**HLTH462-20S2 (C) Semester 2****HLTH 463 Whanau 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 whanau and community health in a health care context.

P: Subject to approval of the Head of School of Health Sciences

R: HLTH 456

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH463-20S1 (C) Semester 1****HLTH 464 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.

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH464-20S1 (C) Semester 1****HLTH 465 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: HLTH 452

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH465-20X (C) 17 Feb 2020 - 07 June 2020****HLTH 466 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: HLTH 453

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH466-20S1 (C) Semester 1****HLTH 467 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/whanau.

P: Subject to the approval of the Head of School of Health Sciences

R: HLTH 454

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH467-20X (C) 13 July 2020 - 18 Oct 2020****HLTH 468 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: HLTH 455

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH468-20X (C) 13 July 2020 - 18 Oct 2020****HLTH 469 Health Issues in the Community**

30 Points 0.2500 EFTS

This course provides the foundation for students to understand the health issues in the community and to develop skills related to improving it. Students are introduced to the concepts, practices and skills to effect better health and wellbeing within communities.

Domestic Fee: \$2,193 (2019)

International Fee: \$9,600 (2019)

**HLTH469-20S2 (C) Semester 2****HLTH 472 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: EDUC 624, HLTH 671

Domestic Fee: \$1,096 (2019)

International Fee: \$4,800 (2019)

**HLTH472-20S1 (C) Semester 1****HLTH 482 Group Work: Process and Practice**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course aims to introduce students to the theory and practice of working with different types of groups in a helping context. Students will be given the opportunity to develop knowledge and skills in the areas of group process and group leadership.

P: Subject to the approval of the Head of the School of Health Sciences.

R: EDEM 671, COUN 678

**HLTH 483 Solution Focused Theory and Skills**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course aims to introduce students to the theory and skills of a postmodern model of brief counselling called solution-focused counselling which aims to help clients identify and implement workable solutions to problems.

P: Subject to the approval of the Head of the School of Health Sciences

R: EDEM 672

EQ: COUN 679

**HLTH 489 Health Sciences Professional Practice**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course allows Health Science students to relate their specific skills to health-related government, private and non-profit organisations while gaining experience in a workplace.

P: 60 points from the Health Sciences Postgraduate Diploma or Masters Schedule and head of Department approval.

RP: Individual discussion with proposed academic supervisor.

*Limited entry. See limitation of entry regulations.***HLTH 690 MHealSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School

Domestic Fee: \$8,410 (2019)  
 International Fee: \$38,400 (2019)  
**HLTH690-20A (D)** Starts Anytime  
*Part-time enrolment (0.65 EFTS) is available on approval.*

**HLTH 695 Health Sciences Dissertation**  
 60 Points 0.5000 EFTS  
 P: Subject to approval of the Head of School  
 Domestic Fee: \$4,386 (2019)  
 International Fee: \$19,200 (2019)  
**HLTH695-20A (D)** Starts Anytime

**HLTH 697 Health Sciences Thesis**  
 90 Points 0.7500 EFTS  
 P: Subject to approval of the Head of School  
 Domestic Fee: \$6,308 (2019)  
 International Fee: \$28,800 (2019)  
**HLTH697-20A (D)** Starts Anytime  
*Part-time enrolment (0.65 EFTS) is available on approval.*

**HLTH 790 Health Sciences PhD**  
 120 Points 1.0000 EFTS  
 P: Subject to approval of the Head of School of Health Sciences  
 Domestic Fee: \$8,410 (2019)  
 International Fee: \$38,400 (2019)  
**HLTH790-20A (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.*

## Higher 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

**HEDN 601 Introduction to Tertiary Teaching**  
 15 Points 0.1250 EFTS  
 A critical examination of personal theories of tertiary teaching within a comparative framework of contemporary literature and practice.  
 P: Subject to approval of the Programme Coordinator  
 R: HEDN 501, HEDN 502  
 Domestic Fee: \$942 (2019)  
 International Fee: \$3,838 (2019)  
**HEDN601-20S1 (C)** Semester 1

**HEDN 602 Tertiary Teaching Methods**  
 15 Points 0.1250 EFTS  
 Examination of contemporary research on student learning. Exploration of the effects of participant's teaching methods on how students learn in order to enhance student learning outcomes.  
 P: Subject to approval of the Programme Coordinator  
 R: HEDN 501, HEDN 502  
 Domestic Fee: \$942 (2019)  
 International Fee: \$3,838 (2019)  
**HEDN602-20S2 (D)** Semester 2

**HEDN 603 Learning Design and Assessment in Tertiary Teaching**  
 15 Points 0.1250 EFTS  
 This course examines contemporary research on learning design and assessment in tertiary teaching, and explores learning and assessment design practices in order to enhance student learning outcomes.  
 P: Subject to approval of the Programme Coordinator  
 R: HEDN 501, HEDN 502  
 Domestic Fee: \$942 (2019)  
 International Fee: \$3,838 (2019)  
**HEDN603-20S1 (C)** Semester 1

**HEDN 604 Research in Tertiary Teaching and Learning**  
 15 Points 0.1250 EFTS  
 In this capstone course of the Postgraduate Certificate in Tertiary Teaching we will study the Scholarship of Teaching and Learning. The course aims to provide participants with the knowledge and skills to set up, conduct, and report on (action) research into an aspect of teaching and learning in the tertiary context. You are encouraged to do a research project based on your own teaching practice, so you can use the results to inform further development of

your teaching. The foci of the course are on formulating an educational research question, developing the study design and methodology, and human ethics considerations.

P: HEDN 601 and HEDN 602 and HEDN 603; or approval of the Programme Coordinator  
 R: HEDN 501, HEDN 502  
 Domestic Fee: \$942 (2019)  
 International Fee: \$3,838 (2019)  
**HEDN604-20S2 (C)** Semester 2

**HEDN 790 Higher Education PhD**  
 120 Points 1.0000 EFTS  
 P: Subject to approval of the Head of Department.  
 Domestic Fee: \$7,022 (2019)  
 International Fee: \$30,700 (2019)  
**HEDN790-20A (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.*

## Tāhuhu Kōrero | History

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

**HIST 127 American History**  
 15 Points 0.1250 EFTS  
 The history of British America and the US from 1492 to the present.  
 R: HIST 119, HIST 120, AMST 127  
 EQ: AMST 127  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HIST127-20S2 (C)** Semester 2

**HIST 128 New Zealand History from Waka to Wētā**  
 15 Points 0.1250 EFTS  
**Not offered in 2020**  
 From the arrival of the first peoples, to the successful creativity of Weta Workshops, this course introduces the essentials of New Zealand history according to the very latest scholarship. Located at the fault lines of the past, the course mixes wars, strikes, disease, guilt and apology with utopic visions and world-leading creativity and innovation. Major themes are Māori and Pakeha conflict and collaboration, the development and tensions of a 'new world' colonial nation, and New Zealand's changing place on the world stage. Through a series of innovative assignments, you will learn how to research and write history at the university level.  
 R: HIST 108, HIST 109, HIST 124

**HIST 133 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: HIST 125, HIST 130  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HIST133-20S1 (C)** Semester 1

**HIST 136 Revolutions and Revolutionaries**  
 15 Points 0.1250 EFTS  
 This course explores the nature of revolutions and their role in shaping the modern world. After looking at various definitions of the term 'revolution', and a range of historical approaches to the study of revolutions, the course looks in turn at a series of case studies such as the American, French and Russian revolutions, and their causes, course and consequences.  
 R: HIST 123  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HIST136-20S1 (C)** Semester 1

**HIST 137 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 (USA) 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 USA 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.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HIST137-20S2 (C)** Semester 2

**HIST 235 Tsardom to Empire: Russian History 1480 to 1917**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores aspects of social, political, economic, cultural, religious, and intellectual history of Russia prior to 1917, with a particular emphasis on the autocratic tradition as developed from 1480 onwards. The course also investigates the making of the Russian Empire while also examining ways in which political forces unique to Russia shaped the country's cultural specificity in the European context.

P: Any 15 points at 100 level in HIST, EURA, or RUSS, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 138, HIST 335, RUSS 111, RUSS 235, RUSS 335, EURA 235, EURA 335

EQ: RUSS 235, EURA 235

**HIST 239 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 301, HIST 302, HIST 305, HIST 339

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST239-20S2 (C) Semester 2**

**HIST 243 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 352

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST243-20S1 (C) Semester 1**

**HIST 247 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 371

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST247-20S1 (C) Semester 1**

**HIST 253 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 373

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST253-20S2 (C) Semester 2**

**HIST 254 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 376

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST254-20S2 (C) Semester 2**

**HIST 255 Heroines in History**

15 Points 0.1250 EFTS

**Not offered in 2020**

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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 361, GEND 215, CULT 336

EQ: CULT 336

**HIST 257 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 377

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST257-20S1 (C) Semester 1**

**HIST 258 Revisiting Empire**

15 Points 0.1250 EFTS

From colonisation to the end of empire, this course provides a critical understanding of the importance of imperialism in making the modern world. You will be introduced to the major debates in British World scholarship. Uncovering legacies of empire in the former Dominions (Canada, Australia, New Zealand and South Africa), topics include empire and memory; food, consumption and consumerism; economy and globalization; female imperialism; war and patriotism; and settler/indigenous contact zones.

P: Any 15 points at 100 level in HIST or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 378

EQ: HIST 378

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST258-20S2 (C) Semester 2**

**HIST 259 Te Ao Mārama: Māori Thought**

15 Points 0.1250 EFTS

**Not offered in 2020**

The paper explores thought, philosophies and ideas through Māori history and culture, including: Archaeology and movement through the Pacific and Aotearoa. Oral traditions and iwi traditions. Tikanga, customs and social life. Whakaaro rapunga, philosophies and Māori thought leaders. Conservation, natural lore of land, ocean, taniwha, kaitiakitanga and resource management. Economy, food, feasting and exchange. Students will have the opportunity to research a topic of their choice.

P: Any 15 points at 100 level in HIST or MAOR or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: MAOR 214

EQ: MAOR 214

**HIST 262 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: MAOR 212, HIST 379

EQ: MAOR 212

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST262-20S1 (C) Semester 1**

**HIST 265 Medieval Crusades and Crusaders**

15 Points 0.1250 EFTS

**Not offered in 2020**

A study of a key episode in world history. What motivated Christian Europeans to liberate the Holy

Land, what did the Crusades achieve, and how were relations between Europe and Islam affected?

P: Any 15 points at 100 level in HIST, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 340 and this option at HIST 250, HIST 251, HIST 350, HIST 351, HIST 387

### HIST 268 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: MAOR 219, POLS 218, POLS 258, SOCI 209, HSRV 207, CULT 219

EQ: MAOR 219, POLS 258, SOCI 209, HSRV 207, CULT 219

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST268-20S2 (C) Semester 2**

### HIST 269 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: EURO 226, EURO 222, HIST 264 (prior to 2006), INCO 225, HIST 386, EURA 226, EURA 326, EURO 326, HIST 329

EQ: EURA 226

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST269-20S2 (C) Semester 2**

### HIST 270 Anzac Neighbours: Australia and New Zealand

15 Points 0.1250 EFTS

**Not offered in 2020**

This course compares and contrasts the history of New Zealand with the history of its largest and closest neighbour, Australia. The course explores the extent to which the neighbours share a history as well as what makes this country distinctive. Analysis extends from the Anzac tradition to the idea of Australasia. The aim is to understand why New Zealand is closely integrated with Australia today.

P: Any 15 points at 100 level in HIST, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 334

### HIST 274 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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: RUSS 218, RUSS 318, HIST 374, EURA 214

RP: RUSS 111/HIST 138

EQ: RUSS 218, EURA 214

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST274-20S1 (C) Semester 1**

### HIST 275 The Muslim World, 600-1650

15 Points 0.1250 EFTS

A social, cultural and political history of the Islamic world between 600 and 1650.

P: Any 15 points at 100 level in HIST, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 375

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST275-20S1 (C) Semester 1**

### HIST 276 Myth and History

15 Points 0.1250 EFTS

**Not offered in 2020**

The myths we create are part of the fabric that make up our past and how we understand it. When we look into the past to find out what really happened, we not only face the problem of sifting myth from fact but we also face the danger of inventing new myths and traditions to go with it. This course will look at how history and myth interact and the problems that this interaction presents to the historian. Students will be introduced to tribal myths and how these stories assimilate 'historical events'. Students will then be introduced to a range of theories and methods historians and indigenous scholars use to manage the obvious tensions within.

P: Any 15 points at 100 level in HIST or MAOR or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 353, MAOR 329

### HIST 278 America and the World into the 21st Century

15 Points 0.1250 EFTS

**Not offered in 2020**

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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 364

### HIST 279 Social and Cultural History of India

15 Points 0.1250 EFTS

**Not offered in 2020**

Focussing on ancient, colonial and contemporary India, this course considers themes such as untouchability and caste relationships, village and high culture Hinduism, religious conversion as social protest, violence against women and state use of spy and surveillance techniques throughout Indian history. The course investigates religion, gender and the state as contexts for regulation of and resistance to cultural and political authority at different times in Indian history.

P: Any 15 points at 100 level in HIST or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 367, SAST 302, SAST 202

EQ: SAST 202

### HIST 281 Resistance and Collaboration in Nazi Europe

15 Points 0.1250 EFTS

This course examines resistance in Nazi-occupied Europe and Nazi Germany in the period 1939 to 1945. Above all, the course investigates the impact of Nazi social, economic and racial policies on European society, and the diverse ways in which 'ordinary' Europeans responded to these policies.

P: Any 15 points at 100 level in HIST or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 369, HIST 239 before 2011, HIST 381

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST281-20S2 (C) Semester 2**

### HIST 283 Ethnicity, Racism and History

15 Points 0.1250 EFTS

This course provides a critical introduction to the historical 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: ANTH 223, MAOR 230, PACS 204, SOCI 223

EQ: ANTH 223, MAOR 230, PACS 204, SOCI 223

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST283-20S2 (C) Semester 2**

### HIST 285 The Irish Revolution, 1916-1923: Violence and Memory

15 Points 0.1250 EFTS

The Irish Revolution, 1916-1923, marked the emergence of a modern independent Irish state. This course recreates the excitement and difficulties of this revolution, from the 1916 Rising and the War of Independence, to the Treaty, Partition of Northern Ireland, and the Civil War. The impact of Irish independence will be explored through legacies and memories of violence.

P: Either 15 Points in HIST with a B grade or better, or 30 Points in HIST or Ancient History (CLAS 111, CLAS 112) with a passing grade. Alternatively, a B average in 60 points of coursework.

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

**HIST285-19SU2 (C) Summer (Nov 19)**



**HIST 288 Exploring the Past: Museums, Memory and Material Culture**

15 Points 0.1250 EFTS

This course is a 'hands-on' introduction to public history and historical ethnography, taught through a combination of workshops, tutorials and field trips.

P: Any 15 points at 100 level in HIST, ANTH, or SOCI, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: ANTH 238, SOCI 238

EQ: ANTH 238, SOCI 238

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST288-20S2 (C) Semester 2****HIST 291 Chinese Society and Culture since 1949**

15 Points 0.1250 EFTS

**Not offered in 2020**

China is making history with its stunning economic growth, with sweeping changes in its social, cultural and political life, and with its emergence as a global power. This course takes you on an exciting and thought-provoking journey to help you discover where these changes have come from and what they mean for China and the world. It is taught in English and requires no prior knowledge of China.

P: Any 15 points at 100 level in HIST or CHIN, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: CHIN 208, CHIN 303, HIST 391

EQ: CHIN 208

**HIST 292 Oral Traditions and 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 the oral traditions and myths of Ngāi Tahu with a particular emphasis on narrative templates and how these templates are reproduced in the oral traditions that outline the tribe's migration from Wellington to the South Island. The second part of the course will look at Ngāi Tahu's 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 course will then finish with an overview of how Ngāi Tahu and the Crown negotiated on the largest Treaty settlement packages in the nation's history.

P: Any 15 points at 100 level in HIST or MAOR, or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: MAOR 285

EQ: MAOR 285

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST292-20S1 (C) Semester 1****HIST 293 Fascism and the Far-Right in Europe**

15 Points 0.1250 EFTS

**Not offered in 2020**

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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 393

**HIST 294 Recovering Christchurch 1850-2010**

15 Points 0.1250 EFTS

**Not offered in 2020**

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 CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 394

**HIST 295 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 CLAS 120, 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: HIST 395

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HIST295-20S1 (C) Semester 1****HIST 298 Elephants and Empires: An Environmental History of Ancient to Modern India**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course considers the way humans have historically interacted with the land, water, plant and animal life in the Indian sub-continent and how these interactions shaped and were shaped by human kingdoms and empires from ancient to modern times.

P: Any 15 points at 100 level in HIST or CLAS 120, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 398

**HIST 329 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, EURA 326, EURO 326, HIST 269

EQ: EURO 326, EURA 326

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST329-20S2 (C) Semester 2****HIST 334 Anzac Neighbours: Australia and New Zealand**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course compares and contrasts the history of New Zealand with the history of its largest and closest neighbour, Australia. The course explores the extent to which the neighbours share a history as well as what makes this country distinctive. Analysis extends from the Anzac tradition to the idea of Australasia. The aim is to understand why New Zealand is closely integrated with Australia 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: HIST 270

**HIST 335 Tsardom to Empire: Russian History 1480 to 1917**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course explores aspects of social, political, economic, cultural, religious, and intellectual history of Russia prior to 1917, with a particular emphasis on the autocratic tradition as developed from 1480 onwards. The course also investigates the making of the Russian Empire while also examining ways in which political forces unique to Russia shaped the country's cultural specificity in the European context.

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: HIST 138, HIST 235, HIST 335, RUSS 111, RUSS 235, RUSS 335, EURA 235, EURA 335

EQ: RUSS 335, EURA 335

**HIST 339 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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST339-20S2 (C) Semester 2**

**HIST 352 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: HIST 243

RP: HIST 128 or equivalent

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST352-20S1 (C) Semester 1****HIST 353 Myth and History**

30 Points 0.2500 EFTS

**Not offered in 2020**

The myths we create are part of the fabric that make up our past and how we understand it. When we look into the past to find out what really happened, we not only face the problem of sifting myth from fact but we also face the danger of inventing new myths and traditions to go with it. This course will look at how history and myth interact and the problems that this interaction presents to the historian. Students will be introduced to tribal myths and how these stories assimilate 'historical events'. Students will then be introduced to a range of theories and methods historians and indigenous scholars use to manage the obvious tensions within.

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: HIST 276, MAOR 329

EQ: MAOR 329

**HIST 361 Heroines in History**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: HIST 255, CULT 336

EQ: CULT 336

**HIST 364 America and the World into the 21st Century**

30 Points 0.2500 EFTS

**Not offered in 2020**

An overview of American diplomacy, politics and culture during the Cold War.

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

R: HIST 381 (1999 only), HIST 278

**HIST 366 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: MAOR 317, RELS 322, CULT 302

EQ: CULT 302, MAOR 317, RELS 322

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST366-20S2 (C) Semester 2****HIST 367 Social and Cultural History of India**

30 Points 0.2500 EFTS

**Not offered in 2020**

A comparative study of statecraft, religion and gender across four principal periods of Indian history: ancient, 'medieval' (Rajput and Mughal), European and British colonial and post-Independence.

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

R: This option at HIST 441, HIST 279, SAST 202, SAST 302

EQ: SAST 302

**HIST 373 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: HIST 253

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST373-20S2 (C) Semester 2****HIST 374 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: RUSS 218, RUSS 318, HIST 274, EURA 214

RP: HIST 235/EURA 235/RUSS 235

EQ: RUSS 318

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST374-20S1 (C) Semester 1****HIST 375 The Muslim World, 600-1650**

30 Points 0.2500 EFTS

A social, cultural and political history of the Islamic world between 600 and 1650.

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

R: HIST 275

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST375-20S1 (C) Semester 1****HIST 376 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: HIST 254

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST376-20S2 (C) Semester 2****HIST 377 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: HIST 257

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST377-20S1 (C) Semester 1****HIST 378 Revisiting Empire**

30 Points 0.2500 EFTS

From colonisation to the end of empire, this course provides a critical understanding of the importance of imperialism in making the modern world. You will be introduced to the major debates in British World scholarship. Uncovering legacies of empire in the former Dominions (Canada, Australia, New Zealand and South Africa), topics include empire and memory; food, consumption and consumerism; economy and globalization; female imperialism; war and patriotism; and settler/indigenous contact zones.

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

R: HIST 258

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST378-20S2 (C) Semester 2**

**HIST 379 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: HIST 262, MAOR 212

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST379-20S1 (C) Semester 1****HIST 381 Resistance and Collaboration in Nazi Europe**

30 Points 0.2500 EFTS

This course examines resistance in Nazi-occupied Europe and Nazi Germany in the period 1939 to 1945. Above all, the course investigates the impact of Nazi social, economic and racial policies on European society, and the diverse ways in which 'ordinary' Europeans responded to these politics.

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

R: HIST 281

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST381-20S2 (C) Semester 2****HIST 387 Medieval Crusades and Crusaders**

30 Points 0.2500 EFTS

**Not offered in 2020**

A study of a key episode in world history. What motivates Christian Europeans to liberate the Holy Land, what did the Crusades achieve, and how were relations between Europe and Islam affected?

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

R: HIST 340 and this option at HIST 250, HIST 251, HIST 350, HIST 351, HIST 265

**HIST 391 Chinese Society and Culture since 1949**

30 Points 0.2500 EFTS

**Not offered in 2020**

China is making history with its stunning economic growth, with sweeping changes in its social, cultural and political life, and with its emergence as a global power. This course takes you on an exciting and thought-provoking journey to help you discover where these changes have come from and what they mean for China and the world. It is taught in English and requires no prior knowledge of China.

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

R: CHIN 208, CHIN 303, HIST 291

EQ: CHIN 303

**HIST 393 Fascism and the Far-Right in Europe**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: HIST 293

RP: HIST 281

**HIST 394 Recovering Christchurch 1850-2010**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 30 points at 200 level from HIST, or any 60 points at 200 level from the Schedule V of the BA.

R: HIST 294

**HIST 395 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 CRJU 201 and either CRJU 202 or LAWS 202, or any 60 points at 200 level from the Schedule V of the BA.

R: HIST 295

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**HIST395-20S1 (C) Semester 1****HIST 398 Elephants and Empires: An Environmental History of Ancient to Modern India**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course emphasises the human/animal relationship as a primary factor in the environmental history of India. It focusses particularly on the environmental factors of disease, climate and health among both humans and animals in the shaping of India's history from ancient to modern times.

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

R: HIST 298

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**HIST 423 Capetian France, 1150-1350**

30 Points 0.2500 EFTS

**Not offered in 2020**

An in-depth exploration of late medieval France, focusing on society, culture and political ideas in the period 1150 to 1350.

P: Subject to approval of the Head of Department.

**HIST 429 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: HAPS 404

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HIST429-20S2 (C) Semester 2****HIST 433 Special Topic in American History**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course takes as its subject the American experience. As recorded in our classic cultural artifacts. Broadly conceived, it examines a variety of issues in American intellectual and cultural history. Its purpose is largely two-fold. First, it represents an extensive study of the major topics relating to the culture, especially the intellectual culture, of the United States with a particular emphasis on the earlier periods. Second, it introduces potential research topics for further, more intensive study of American history.

P: Subject to approval of the Head of Department.

R: HIST 423

**HIST 436 Public and Applied History**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course takes a broad definition of Public History as an introduction to the field in its New Zealand context, but the research project is closely focused on local archival and manuscript sources.

P: Subject to approval of the Head of Department.

**HIST 440 Constructing Feminist History**  
30 Points 0.2500 EFTS**Not offered in 2020**

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: CULT 404, GEND 412, CULT 416

EQ: CULT 404, GEND 412, CULT 416

**HIST 443 Issues in New Zealand History**  
30 Points 0.2500 EFTS

This course examines a variety of issues in New Zealand history, chosen by each year's class. These issues are either: (1) ones that have fuelled debate, or (2) topics that are under-explored or undeveloped but could open up research fields in the future.

P: Subject to approval of the Head of Department.

R: DIPL 429

EQ: DIPL 429

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HIST443-20S2 (C) Semester 2****HIST 449 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: HIST 438, HIST 448, EURO 448, DIPL 418, DIPL 423, DIPL 428

EQ: DIPL 428, EURO 448

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HIST449-20S1 (C) Semester 1****HIST 450 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: HAPS 403

EQ: HAPS 403

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HIST450-20S1 (C) Semester 1****HIST 480 Research Paper**  
30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HIST480-20W (C) Whole Year (S1 and S2)****HIST 690 MA Thesis**  
120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**HIST690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***HIST 790 History PhD**  
120 Points 1.0000 EFTS

P: Subject to approval of Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**HIST790-20A (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.*

## Human-Animal Studies

*Te Kura Kete Aronui | School of Humanities and Creative Arts**Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***HUAN 790 Human-Animal Studies PhD**  
120 Points 1.0000 EFTS

Human-Animal Studies PhD

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**HUAN790-20A (C) Starts Anytime**

## Human Interface Technology

*Tangata Hangarau, Hangarau Tangata**Human Interface Technology Laboratory New Zealand**Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***HITD 602 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: HITD 601

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**HITD602-20S1 (C) Semester 1****HITD602-20X (C) 05 Oct 2020 - 27 Dec 2020***Limited entry. See limitation of entry regulations.***HITD 603 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: HITD 601

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**HITD603-20X (C) 06 Jan 2020 - 27 Sep 2020****HITD603-20S1 (C) Semester 1****HITD603-20S2 (C) Semester 2***Limited entry. See limitation of entry regulations.***HITD 690 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

Domestic Fee: \$6,344 (2019)

International Fee: \$33,000 (2019)

**HITD690-20A (C) Starts Anytime****HITD690-20W (C) Whole Year (S1 and S2)***Part-time enrolment (0.4875 EFTS) is available on approval.***HITD 790 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

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**HITD790-20A (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.*

# Human Services

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

## HSRV 101 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 first part of the course addresses basic organising concepts of welfare, using historical and contemporary case studies. In the second part, 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: SOWK 101

EQ: SOWK 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV101-20S1 (C) Semester 1**

## HSRV 102 Introduction to Human Services and Practice 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: SOWK 102

EQ: SOWK 102

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV102-20S2 (C) Semester 2**

## HSRV 103 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV103-20S2 (C) Semester 2**

**HSRV103-20S2 (D) Semester 2**

## HSRV 104 Youth Realities

15 Points 0.1250 EFTS

The course introduces students to the diverse realities of youth with a focus on youth in multiple contexts. Students will explore issues that place youth outside the margins of dominant society that often increases the level of prejudice and discrimination against them. Throughout the course students will engage in current debates within five key sections: Transgressing masculinities and femininities; Embodied identity; Youth technologies, spaces and things; Negotiating sexualities; Missing youth rights. Each of these sections will introduce diverse youth perspectives, issues, challenges and debates, and encourages students to critically consider the responses, models, theoretical frameworks used in youth work and human service sectors in general.

R: SOWK 104

EQ: SOWK 104

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV104-20S1 (C) Semester 1**

## HSRV 201 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: 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: SOWK 201

EQ: SOWK 201

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV201-20S1 (C) Semester 1**

## HSRV 202 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: Any 15 points at 100 level from HSRV or SOWK, or any 60 points at 100 level from the Schedule V of the BA.

R: SOWK 202

EQ: SOWK 202

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV202-20S1 (C) Semester 1**

## HSRV 203 Policy Debates in the Social Services

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 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: SOWK 203

EQ: SOWK 203

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV203-20S2 (C) Semester 2**

## HSRV 204 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: Any 15 points at 100 level from HSRV or SOWK, or any 60 points at 100 level from the Schedule V of the BA.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV204-20S2 (C) Semester 2**

## HSRV 206 Child Protection Practice

15 Points 0.1250 EFTS

The course will provide a broad overview of the three main phases of child welfare: the investigative phase; the solution-based phase; and, the statutory systems of care that are provided for children. Students will be introduced to research and literature pertaining to child care and protection from an international and New Zealand perspective.

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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV206-20S2 (C) Semester 2**

## HSRV 207 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 SOWK, or any 60 points at 100 level from the Schedule V of the BA.

R: POLS 218, HIST 268, MAOR 219, POLS 258, SOCI 209 and CULT 219

EQ: MAOR 219, HIST 268, SOCI 209, POLS 258, CULT 219

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**HSRV207-20S2 (C) Semester 2**

## HSRV 208 Gender Sensitivity and the Human Services

15 Points 0.1250 EFTS

This course provides students with the opportunity to critically analyse how gender is assembled and performed. The course develops students' knowledge of theories, experiences and issues of gender as they apply to areas of human services work. Students are encouraged to think about diverse ways in which social structure mechanisms can: support and maintain notions of femininity and masculinity, affect the choices available to women and men, and shape ideas regarding individual and social well-being. Examples will be provided by field practitioners to facilitate the examination of the economic, psychological, and social risks faced by women and men as consumers and providers of human services, and analyse the ways in which human services define, validate, and promote human well-being.

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.



R: HSRV 308  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV208-2051 (C) Semester 1**

### HSRV 209 Special Topic: 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: 30 points of Human Services from HSRV 101, 102, 103 and 104 or SOWK 101, 102 and 104. Students without this prerequisite but with at least 60 points in appropriate courses may enter the course with the permission of the Programme Coordinator.

Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV209-2051 (C) Semester 1**

### HSRV 210 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: 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: HSRV 303  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV210-2052 (C) Semester 2**

### HSRV 211 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: Any 15 points at 100 level from HSRV or SOWK, or any 60 points at 100 level from the Schedule V of the BA.

Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV211-2052 (C) Semester 2**

### HSRV 301 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: HSRV 204 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.

Domestic Fee: \$1,553 (2019)  
 International Fee: \$6,750 (2019)  
**HSRV301-20W (C) Whole Year (S1 and S2)**

### HSRV 302 Qualitative Social Research

15 Points 0.1250 EFTS  
 The development of a research culture in human services is an important challenge for educators, managers, practitioners and students. The creative tension between research, theory and practice is a necessary aspect of human services work and study. A strong research culture contributes significantly to the development of knowledge and practice in human services. Standards of research and human service practice grow and develop in conjunction with field development. As the nature and scope of research activity and opportunity are diverse within the human services settings, this course aims to provide a basis from which students can begin to develop a research culture across the range of contexts. By introducing a range of qualitative research methods and enabling students to experience manageable research assignments, students will become increasingly familiar with the business of research and how it fits within complex and diverse human service systems.

P: HSRV 204 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.

R: SOWK 310  
 EQ: SOWK 310  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV302-2051 (C) Semester 1**

### HSRV 303 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: HSRV 204 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.

R: HSRV 210  
 EQ: HSRV 210  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV303-2052 (C) Semester 2**

### HSRV 304 Indigenous 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: HSRV 204 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.

R: SOWK 304  
 EQ: SOWK 304  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV304-2051 (C) Semester 1**

### HSRV 305 Quantitative Research Methods for the Human Services

15 Points 0.1250 EFTS  
 The course provides an introduction to quantitative research activities in a variety of contexts and provides students with a comparative framework for understanding and evaluating quantitative research methods and outcomes. The course is designed to provide students with the skills necessary to understand and critique research projects in social service agencies, and in global contexts. In particular, students will explore survey research, experimental designs, within subjects designs, and evaluation research approaches as quantitative research methods. This course aims to provide a basis from which students can begin to develop a research culture within their practice. By introducing a range of quantitative research methods students will become increasingly familiar with the business of research and how it fits within a theory/practice/research framework.

P: HSRV 204 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.

R: SOWK 305; SOWK 310  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV305-2052 (C) Semester 2**

### HSRV 306 Non-Governmental Organisations and Social Development

15 Points 0.1250 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: HSRV 204 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.

Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV306-2052 (C) Semester 2**

### HSRV 308 Gender Sensitivity and the Human Services

15 Points 0.1250 EFTS  
 This course provides students with the opportunity to critically analyse how gender is assembled and performed. The course develops students' knowledge of theories, experiences and issues of gender as they apply to areas of human services work. Students are encouraged to think about diverse ways in which social structure mechanisms can: support and maintain notions of femininity and masculinity, affect the choices available to women and men, and shape ideas regarding individual and social well-being. Examples will be provided by field practitioners to facilitate the examination of the economic, psychological, and social risks faced by women and men as consumers and providers of human services, and analyse the ways in which human services define, validate, and promote human well-being.

P: HSRV 204 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.

R: HSRV 208  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**HSRV308-2051 (C) Semester 1**

**HSRV 310 Special Topic**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Any 30 points of Human Services at 200 level Students without this prerequisite but with at least 60 points at 200 level or above in appropriate courses may enter the course with the permission of the Programme Coordinator.

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**HSRV 401 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HSRV401-20W (C) Whole Year (S1 and S2)****HSRV 402 Responding to Violence in Society**

30 Points

0.2500 EFTS

**Not offered in 2020**

This course provides an opportunity to develop advanced theoretical and research informed knowledge. The course teaching is organised into five areas of violence research and practice: child protection; family violence; youth violence; institutional and cultural violence; and, criminal and forensic violence. The course will also teach students to analyse the diversity of factors that influence national and international programme development and policies.

P: Subject to approval of the Head of Department.

R: SOWK 629

**HSRV 407 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: CULT 419

EQ: CULT 419

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HSRV407-20S1 (C) Semester 1****HSRV 417 Criminal Justice Perspectives and Practice**

30 Points

0.2500 EFTS

**Not offered in 2020**

The course considers a range of explanatory theories emanating from a range of disciplines that contribute to current understandings of criminal offending, victimisation, and societal responses. Field visits constitute part of the familiarisation with key aspects of philosophical approaches in these settings. There is significant input from visiting practitioners in the

respective criminal justice practice settings of police, courts, probation, prisons, victim support, and associated social services.

P: Subject to approval of the Head of Department.

**HSRV 421 Qualitative Evaluation Research for the Human Services**

30 Points

0.2500 EFTS

Using a service/programme evaluation framework, this course introduces a range of qualitative research methods emphasising both conceptual appreciation, and technical competence. Students will learn about programme evaluation, and the use of qualitative methods within this context.

P: Subject to approval of the Head of Department.

R: SOWK 621/SOWK 617

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HSRV421-20S1 (C) Semester 1****HSRV 423 Special Topic**

30 Points

0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**HSRV 424 Special Topic**

30 Points

0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**HSRV 425 Special Topic**

30 Points

0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**HSRV 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**HSRV480-20W (C) Whole Year (S1 and S2)****HSRV 690 MA Thesis**

120 Points

1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**HSRV690-20A (C) Starts Anytime**

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

**HSRV 790 Human Services PhD**

120 Points

1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**HSRV790-20A (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."

# Information Systems

Department of Accounting and Information Systems

## INFO 123 Business Information Systems and Technology

15 Points 0.1250 EFTS

Information technology plays an important role in business and society. This course examines how businesses use information systems and technologies to deliver business value and support business strategy, to improve connections with stakeholders, create better business processes, and enhance decision-making. Students develop problem-solving skills applicable to any area in business, and practical skills in Excel and Access to store, organise and use data to address business problems and support decision-making.

R: ACIS 123, AFIS 123, AFIS 124

Domestic Fee: \$851 (2019)

International Fee: \$4,250 (2019)

INFO123-20S1 (C) Semester 1

INFO123-20S2 (C) Semester 2

## INFO 125 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: ACIS 125, AFIS 125

Domestic Fee: \$851 (2019)

International Fee: \$4,250 (2019)

INFO125-20S1 (C) Semester 1

## INFO 213 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 INFO 123, INFO 125, COSC 121, COSC 122

R: ACIS 213 and AFIS 213 after 1996.

Domestic Fee: \$851 (2019)

International Fee: \$4,250 (2019)

INFO213-20S1 (C) Semester 1

## INFO 223 Business Systems Analysis

15 Points 0.1250 EFTS

Explores key principles in 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. Includes use of software to model organisational data and business processes. Students develop practical skills by applying knowledge to real-world business problems.

P: (1) INFO 123 or INFO 125 or COSC 121 or COSC 122; and (2) An additional 15 points

R: INFO 203, ACIS 203, AFIS 203, AFIS 223

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

INFO223-20S2 (C) Semester 2

## INFO 243 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: ACCT 103 and INFO 123

R: ACIS 243, AFIS 243

Domestic Fee: \$851 (2019)

International Fee: \$4,250 (2019)

INFO243-20S2 (C) Semester 2

## INFO 253 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 COSC 121 or COSC 122; and (2) An additional 15 points

R: INFO 233

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

INFO253-20S1 (C) Semester 1

## INFO 260 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) INFO 123 or INFO 125 or COSC 101 or COSC 121 or COSC 122 or DIGI 101; and (2) An additional 15 points

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

INFO260-20S1 (C) Semester 1

## INFO 261 Special Topic

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to Approval by the Head of Department

## INFO 263 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, COSC 122)

R: INFO 233

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

INFO263-20S2 (C) Semester 2

## INFO 333 IT Risk and Security Management

15 Points 0.1250 EFTS

Not offered in 2020

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.

P: (1) INFO 233 or INFO 253 or INFO 263 or COSC 231 or COSC 264; and (2) An additional 30 points at 200-level or above

R: ACIS 333

## INFO 343 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: INFO 303, ACIS 303

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

INFO343-20S1 (C) Semester 1

## INFO 353 Contemporary Issues in Information Systems

15 Points 0.1250 EFTS

Changes in the role IT require business technology leaders to engage in new business, process and operating models. This course explores contemporary and emerging issues, technologies and business models as these relate to the management and use of information systems to enable and deliver significant, enduring and transforming business impacts and customer value.

P: (1) 15 points at 200-level INFO, COSC or SENG; and (2) An additional 30 points at 200-level or above

R: INFO 303, ACIS 303, INFO 635

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

INFO353-20S2 (C) Semester 2

**INFO 360 Business Process Management**

15 Points 0.1250 EFTS

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  
Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**INFO360-20S1 (C) Semester 1****INFO 361 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) INFO 123; and (2) 45 points at 200-level or above

RP: STAT 101

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**INFO361-20S2 (C) Semester 2****INFO 362 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to Head of Department approval.

R: ACIS 362, AFIS 362

**INFO 363 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to Head of Department approval.

R: ACIS 363, AFIS 363

**INFO 369 Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to Approval by the Head of Department

**INFO 390 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: INFO 362, INFO 330, ACCT 390, ECON 390, FINC 390, MKTG 390

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**INFO390-20S1 (C) Semester 1****INFO390-20S2 (C) Semester 2****INFO 393 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: INFO 313, ACIS 313, AFIS 313, MSCI 322, MSCI 324, MGMT 372, MSCI 372

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**INFO393-20S2 (C) Semester 2**

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: ACCT 614, ACIS 614, AFIS 614

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**INFO614-20S1 (C) Semester 1****INFO 620 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: ACIS 620, AFIS 620, AFIS 610

Domestic Fee: \$995 (2019)

International Fee: \$4,800 (2019)

**INFO620-20S2 (C) Semester 2****INFO 621 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department

**INFO 629 IS Case Study**

15 Points 0.1250 EFTS

Students undertake an organisation-based project related to an important IS management decision. The project includes a literature review and the write-up of a case study.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**INFO629-20S1 (C) Semester 1****INFO 632 Cognitive Science and Artificial Intelligence**

15 Points 0.1250 EFTS

**Not offered in 2020**

These fields are concerned with modelling human knowledge in ways that create working man-machine interfaces or allow that knowledge to be packaged for professional use; application to commerce.

P: Subject to approval of the Head of Department

R: ACIS 632, AFIS 632

**INFO 633 Knowledge Management**

15 Points 0.1250 EFTS

This course focuses on current organisational and technological issues related to knowledge management. The topic is interdisciplinary and draws on knowledge from the fields of information technology, organisational management, human resource management and cognitive psychology.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**INFO633-20S1 (C) Semester 1****INFO 634 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$995 (2019)

International Fee: \$4,800 (2019)

**INFO634-20S2 (C) Semester 2****INFO 635 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

R: INFO 353

Domestic Fee: \$995 (2019)

International Fee: \$4,800 (2019)

**INFO635-20S2 (C) Semester 2****INFO 680 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 BCom(Hons) degree in information systems.

**Tāura | Postgraduate**

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

**INFO 614 Research Methodology and Epistemology**

30 Points 0.2500 EFTS

INFO 614 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

P: Subject to approval of the Head of Department

R: ACCT 680, ACIS 680, AFIS 680

Domestic Fee: \$1,989 (2019)

International Fee: \$9,600 (2019)

**INFO680-20A (C)** Starts Anytime

**INFO680-20W (C)** Whole Year (S1 and S2)

### INFO 690 MCom Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

R: ACIS 690, AFIS 690

Domestic Fee: \$7,558 (2019)

International Fee: \$38,400 (2019)

**INFO690-20A (C)** Starts Anytime

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

### INFO 691 MCom Dissertation

60 Points 0.5000 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$3,779 (2019)

International Fee: \$19,200 (2019)

**INFO691-20A (C)** Starts Anytime

### INFO 694 MCom Thesis

90 Points 0.7500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$5,762 (2019)

International Fee: \$28,800 (2019)

**INFO694-20A (C)** Starts Anytime

### INFO 790 Information Systems PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

R: ACIS 790, AFIS 790

Domestic Fee: \$7,558 (2019)

International Fee: \$38,400 (2019)

**INFO790-20A (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.

## Innovation

Department of Marketing, Management and Entrepreneurship

### INOV 200 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**INOV200-20S1 (C)** Semester 1

### INOV 201 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: INOV 200

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**INOV201-20S2 (C)** Semester 2

### INOV 202 Emerging Technologies

15 Points 0.1250 EFTS

A key focus of this course is on how technology can be an enabler of radical changes to competition. In this course students are exposed to leading current technologies in multiple sector settings. Moreover, students are required to demonstrate an understanding of how emerging technologies may potentially contribute to a reordering of winners and losers in a particular competitive space.

P: Any 60 points.

RP: INOV 200

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**INOV202-20S2 (C)** Semester 2

### INOV 290 Enterprise in Practice (Project)

15 Points 0.1250 EFTS

This course enables students to apply their academic skills and knowledge to a project for a new or existing venture whether that be a for-profit business or social enterprise. The course will enable students to think and be more enterprising and innovative. Students will have the opportunity to use this experience to reflect on their personal career development.

P: 120 points at 100-level or above

R: BSNS 290, ARTS 295, PACE 295

Domestic Fee: \$806 (2019)

International Fee: \$3,513 (2019)

**INOV290-19SU2 (C)** Summer (Nov 19)

**INOV290-20S1 (C)** Semester 1

**INOV290-20S2 (C)** Semester 2

### INOV 300 Societal Impact Through Innovation

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is the first of a two-course capstone experience in which students are required to demonstrate potential societal impacts of emerging innovations. Students work on teams with local/national organisations to assess the connection between focus innovations and anticipated societal impact. In this portion of the capstone experience students are required to develop a comprehensive review, identifying expected points of potential impact of focal innovations on society.

P: INOV 200

RP: INOV 201 or INOV 202 or MGMT 223

### INOV 301 Implementing for Societal Impact: Tools for Innovators

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is the second of a two-course capstone experience in which students are required to demonstrate potential societal impacts of emerging innovations. Students must critically analyse the anticipated impact on various stakeholder groups of changes in a given sector's value chain. In this portion of the capstone experience students are required to generate data-driven insights into potential societal changes to be initiated via focal innovations. Emphasis is on developing compelling evidence-based arguments in evaluating the possible societal impact of innovations.

P: INOV 200 and Head of Department approval

RP: INOV 300 or MGMT 342

### INOV 390 Innovation Practicum

30 Points 0.2500 EFTS

**Not offered in 2020**

Students in this applied, project-based course gain significant practical experience working with local and national organizations to develop and implement innovative solutions to pressing economic/social challenges. Students must combine insights gathered through experiential learning with the conceptual foundations built via prior coursework. Upon completion of this course students are expected to present an assessment of the proposed solution(s) and provide a detailed update regarding implementation of the innovations.

P: INOV 300 or MGMT 342 and Head of Department Approval

RP: INOV 301

## International Law and Politics

Te Kure Ture | School 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

### ILAP 603 International Humanitarian Law

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

R: ILAP 628

### ILAP 604 International Criminal Law

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Director.

R: DIPL 421 (before 2014), LAWS 321



## International Law and Politics

### ILAP 608 World Trade Law

15 Points 0.1250 EFTS

P: Subject to approval of the Programme Director.

R: DIPL 402 (before 2014), DIPL 411, LAWS 338

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

ILAP608-20S2 (C) Semester 2

### ILAP 609 International Human Rights Law

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Programme Director.

R: DIPL 421 (before 2014), LAWS 322

### ILAP 611 Antarctic Legal Studies

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Programme Director.

R: LAWS 336, LAWS 372

### ILAP 612 International Environmental Law

15 Points 0.1250 EFTS

Challenges and institutional responses to global environmental problems, including global warming.

P: Subject to the approval of the Programme Director

R: LAWS 327, LAWS 347 (2001-2004), DIPL 402 (before 2014), DIPL 421 (before 2014).

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

ILAP612-20S2 (C) Semester 2

### ILAP 613 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.

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

ILAP613-20S1 (C) Semester 1

### ILAP 614 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

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

ILAP614-20S1 (C) Semester 1

### ILAP 625 Dissertation

48 Points 0.4000 EFTS

Not offered in 2020

P: Subject to approval of the Programme Director.

### ILAP 626 International Institutions

15 Points 0.1250 EFTS

Not offered in 2020

This course will explore the development of international institutions, both at a global level (with particular emphasis on the World Trade Organisation) and a Regional level (with specific reference to the European Union). It will examine their impact and operation and ask what their development means for the future of domestic and international public law in New Zealand and throughout the world.

P: Subject to the approval of the Programme Director

R: LAWS 343

### ILAP 627 European Public Law

15 Points 0.1250 EFTS

Not offered in 2020

The course will examine key elements of the European Union's Constitutional and Administrative Law. The course also explores the relationships between the supra-national EU structures and the individual constitutional and administrative traditions of individual states. This will provide students with an understanding of the complexities of Twenty-First Century

multi-layered governance in general and the European Union model in particular. Topics to be examined will include, democracy in multi-layered systems, federalism, executive accountability, administrative/law justice and policy making in the EU. Specific topics examined will vary according to current issues.

P: Subject to the approval of the Programme Director

R: EURO 333; EURA 333; LAWS 388

### ILAP 628 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

ILAP628-20S1 (C) Semester 1

ILAP628-20S2 (C) Semester 2

### ILAP 629 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

ILAP629-20S1 (C) Semester 1

ILAP629-20S2 (C) Semester 2

### ILAP 630 Law of the Sea

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Programme Director.

R: LAWS 362 prior to 2010; LAWS 364

### ILAP 633 Problems in International and Regional Trade

15 Points 0.1250 EFTS

Not offered in 2020

The course examines selected problems in international and regional trade from a New Zealand perspective. Alternate year offering.

P: Subject to the approval of the Programme Director.

R: LAWS 370

RP: A course on International Trade

### ILAP 634 International Investment Law and Arbitration

15 Points 0.1250 EFTS

The course examines selected problems in international investment law and arbitration relevant to a New Zealand context. Alternate year offering.

P: Subject to the approval of the Programme Director

R: LAWS 333, ILAP 632, LAWS 371

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

ILAP634-20S2 (C) Semester 2

### ILAP 640 Dissertation

60 Points 0.5000 EFTS

P: Subject to approval of the Programme Director.

R: ILAP 650

Domestic Fee: \$3,926 (2019)

International Fee: \$17,900 (2019)

ILAP640-20FY (C) Full Year (February to February)

ILAP640-20CY (C) Cross Year

### ILAP 641 The Rights of Indigenous Peoples

15 Points 0.1250 EFTS

Not offered in 2020

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: LAWS 358

### ILAP 642 Private International Law

15 Points 0.1250 EFTS

This course covers the choice of applicable law in private law disputes, the international jurisdiction of New Zealand courts in civil litigation, and the enforcement of foreign civil judgments in New Zealand.

P: Subject to the approval of the Programme Director

R: LAWS 390

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

ILAP642-20S2 (C) Semester 2

# Japanese

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

## JAPA 108 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

JAPA108-20S1 (C) Semester 1

## JAPA 113 Introduction to Japanese Literature and Related Arts

15 Points 0.1250 EFTS

Not offered in 2020

This course will develop students' understanding of various aspects of Japanese literary, aesthetic and cultural traditions, including the mythologies and chronicles of residual oral tradition; the development of poetry; heroic military narratives and *zuihitsu* essays; the development of kabuki and bunraku puppetry; and the development of the novel from the eleventh century to modern times. No previous knowledge of Japanese language is required.

## JAPA 125 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: JAPA 141, JAPA 115, JAPA 127

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

JAPA125-20S1 (C) Semester 1

## JAPA 126 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: JAPA 125, or NCEA Level 2 Japanese with at least 12 credits, or placement test.

R: JAPA 142, JAPA 115, JAPA 116

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

JAPA126-20S2 (C) Semester 2

## JAPA 127 Elementary Japanese

15 Points 0.1250 EFTS

Not offered in 2020

This summer school 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: JAPA 141, JAPA 115, JAPA 125

## JAPA 208 Japanese Society

15 Points 0.1250 EFTS

Not offered in 2020

This course will develop students' understanding of various aspects of Japanese society, including the evolution of mainstream and minorities, gender relations, socialisation, inter-generational relations, predominant family structures, and the individual/group dichotomy. No previous knowledge of Japanese language is required.

P: Any 15 points at 100 level from JAPA, or any 60 points at 100 level from the Schedule V of the BA.

## JAPA 212 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: JAPA 108, or any 60 points at 100 level from the Schedule V of the BA.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

JAPA212-20S1 (C) Semester 1

## JAPA 214 Special Topic in Japanese Language 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: JAPA 126, or NCEA Level 3 Japanese with at least 12 credits, or placement test.

R: JAPA 151, JAPA 152, JAPA 153, JAPA 154, JAPA 105, JAPA 201, JAPA 215

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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

JAPA214-20S1 (C) Semester 1

## JAPA 215 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: JAPA 126, or NCEA Level 3 Japanese with at least 12 credits, or placement test.

R: JAPA 151, JAPA 152, JAPA 153, JAPA 154, JAPA 105, JAPA 201

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.

Domestic Fee: \$2,330 (2019)

International Fee: \$10,125 (2019)

JAPA215-20W (C) Whole Year (S1 and S2)

## JAPA 216 Special Topic in Japanese Language

30 Points 0.2500 EFTS

JAPA 216 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: JAPA 153, JAPA 154 and JAPA 215.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

JAPA216-20S2 (C) Semester 2

## JAPA 307 Extension Japanese

30 Points 0.2500 EFTS

Not offered in 2020

This course aims to extend students' understanding of Japanese language beyond that which is normally achieved by completing JAPA 325 and JAPA 326 alone. Proficiency in the use of language appropriate to a variety of situations and materials, such as understanding media material, is enhanced in a way that will be of practical value in their future careers.

P: JAPA 215 or JAPA 216, or placement test.

C: JAPA 325 or JAPA 326

R: JAPA 311

## JAPA 317 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 JAPA 305 Japanese Language 3.

P: Subject to approval of the Programme Head.

R: JAPA 414

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

JAPA317-20S1 (C) Semester 1

**JAPA 318 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: JAPA 317 or equivalent subject to approval of the Programme Head.

R: JAPA 415

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**JAPA318-20S2 (C) Semester 2****JAPA 325 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: JAPA 215 or JAPA 216, or placement test.

R: JAPA 205, JAPA 305, JAPA 315, JAPA 319

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**JAPA325-20S1 (C) Semester 1****JAPA 326 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: JAPA 325, or placement test.

R: JAPA 305, JAPA 315

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**JAPA326-20S2 (C) Semester 2****PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**JAPA 414 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 JAPA 414, the student should be able to read, comprehend, and summarise articles on various topics in standard modern Japanese.

P: JAPA 326 with at least a B pass, or ARA course BLJA 702 with at least a B pass, and subject to approval of the Programme Director.

R: JAPA 317, JAPA 407

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**JAPA414-20S1 (C) Semester 1****JAPA 415 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, JAPA 414: Advanced Japanese Language A. On successful completion of JAPA 415, the student should be able to read, comprehend, and critique articles on various topics in standard modern Japanese.

P: JAPA 414 and subject to approval of the Programme Director.

R: JAPA 318, JAPA 407

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**JAPA415-20S2 (C) Semester 2****JAPA 419 Readings in Contemporary Japanese Literature: Pre-war to Early Post-war Periods**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course introduces students to Japanese literary texts from pre-war Japan through to the early post-war period. A selection of short stories and poetry is read and studied in the original Japanese. Students are introduced to the 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: JAPA 405

**JAPA 420 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: JAPA 405

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**JAPA420-20S1 (C) Semester 1****JAPA 421 Traditional Japanese Theatre**

15 Points 0.1250 EFTS

This course introduces students to the four major genres of Japanese theatre. These are studied from various viewpoints, including their history, acting style, musical accompaniments, stage architecture and social setting. Audio-visual material will be used to illustrate lectures, while one play from each of the major genres will be studied in detail using Japanese texts, English translations and video footage.

P: Subject to approval of the Programme Director.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**JAPA421-20S2 (C) Semester 2****JAPA 424 Readings in Pre-modern Japanese History**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course aims to broaden students' understanding of the major developments, events and personalities in Japan's pre-modern history, from the earliest times to the dawn of the modern era. It will also focus on linguistic aspects of Japan's academic written style, familiarity with which will enhance students' ability to comprehend and translate the wide variety of non-fiction materials they will encounter in their own research.

P: Subject to approval of the Programme Director.

R: JAPA 404

**JAPA 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**JAPA480-20W (C) Whole Year (S1 and S2)****JAPA480-20S2 (C) Semester 2****JAPA 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**JAPA690-20A (C) Starts Anytime**

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

**LANC 401 In Other Words What? Theory and Practice of Translation**

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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**LANC401-20S1 (C) Semester 1**

**JAPA 790 Japanese PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**JAPA790-20A (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.*

## Journalism

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

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

**JOUR 790 Journalism PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**JOUR790-20A (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.*

## Law

*Te Kure Ture | School of Law*

**LAWS 101 Legal System: Legal Method and Institutions**

30 Points 0.2500 EFTS

The 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 New Zealand and England, including the structure of the courts, the sources of law, the classification of substantive law, dispute resolution and legal services.

C: LAWS 110

R: CRJU 150

Domestic Fee: \$1,644 (2019)

International Fee: \$8,000 (2019)

**LAWS101-20W (C) Whole Year (S1 and S2)**

**LAWS 102 Law, Justice and Morality**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to: the concept of Law; law and morality; law and justice; comparative legal systems; Māori customary law; the administration of justice; law and social control and the sociology of law.

**LAWS 110 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

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS110-20S1 (C) Semester 1**

**LAWS 202 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: LAWS 101 and LAWS 110

Domestic Fee: \$1,644 (2019)

International Fee: \$8,000 (2019)

**LAWS202-20W (C) Whole Year (S1 and S2)**

*Limited entry. See limitation of entry regulations.*

**LAWS 203 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: LAWS 101 and LAWS 110

Domestic Fee: \$1,644 (2019)

International Fee: \$8,000 (2019)

**LAWS203-20W (C) Whole Year (S1 and S2)**

*Limited entry. See limitation of entry regulations.*

**LAWS 204 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: LAWS 101 and LAWS 110

Domestic Fee: \$1,644 (2019)

International Fee: \$8,000 (2019)

**LAWS204-20W (C) Whole Year (S1 and S2)**

*Limited entry. See limitation of entry regulations.*

**LAWS 205 Land Law**

30 Points 0.2500 EFTS

The history and principles of land law.

P: LAWS 101 and LAWS 110

Domestic Fee: \$1,644 (2019)

International Fee: \$8,000 (2019)

**LAWS205-20W (C) Whole Year (S1 and S2)**

*Limited entry. See limitation of entry regulations.*

**LAWS 206 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: LAWS 101 and LAWS 110

Domestic Fee: \$1,644 (2019)

International Fee: \$8,000 (2019)

**LAWS206-20W (C) Whole Year (S1 and S2)**

*Limited entry. See limitation of entry regulations.*

**LAWS 301 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.

C: LAWS 202–LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS301-20S1 (C) Semester 1**

**LAWS 303 Advanced Employment Law**

15 Points 0.1250 EFTS

The course aims to provide a sound academic grounding in key areas of advanced employment law. It will examine the key topics of freedom of association, unions, collective bargaining and strikes and lockouts, as well as selected topics drawn from areas such as institutional employment law, discrimination, occupational safety and health, and privacy.

P: LAWS 363

C: LAWS 202–LAWS 206

R: LAWS 318

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS303-20S2 (C) Semester 2**

**LAWS 305 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: LAWS 202-LAWS 206

R: LAWS 312

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS305-20S1 (C) Semester 1****LAWS 306 Special Topic: Law and Transition to the Workplace**

15 Points 0.1250 EFTS

**Not offered in 2020**

This dynamic final year capstone course reinforces and consolidates what LLB students have learned in the whole LLB degree program. It allows them to demonstrate their mastery, analysis and synthesis of legal knowledge and skills. Students will engage with a case study involving all their legal skills such as drafting documents, giving advice and using negotiation and mediation skills. They will also take part in group work and oral presentations. Other sections of the course cover wellness and resilience, bi-cultural skills in a multi-cultural society, career readiness, technology and work, the culture of law and the reality of legal work and workplaces. The main aim is that law students will graduate with strengthened employability as a graduate attribute and be able to move more easily into workplaces where they will be using their LLB.

P: (i) LAWS 202 - LAWS 206; (ii) Subject to the approval of the Head of Department.

C: LAWS 301

*Limited entry. See limitation of entry regulations.***LAWS 307 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. The sole focus of the course will not necessarily be on New Zealand's Evidence Act 2006 but will seek to place such provisions in the context of both theoretical and comparative international approaches.

C: LAWS 202-LAWS 206

R: LAWS 316, CRJU 308

EQ: CRJU 308

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS307-20S2 (C) Semester 2****LAWS 309 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: LAWS 202-LAWS 206

R: LAWS 317

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS309-20S1 (C) Semester 1****LAWS 310 Relationship Property and Family Finance**

15 Points 0.1250 EFTS

The course aims to provide a sound academic grounding in the Property (Relationships) Act 1976, Child Support Act 1991, and the adult maintenance provisions of the Family Proceedings Act 1980.

C: LAWS 202-LAWS 206

R: LAWS 317

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS310-20S2 (C) Semester 2****LAWS 314 Environmental Law, Policy and Society**

15 Points 0.1250 EFTS

**Not offered in 2020**

The nature of environmental law; the merits and disadvantages of statutory and common law approaches to environmental issues; the evolution of environmental concern; particular legal problems arising out of the nature of environmental issues; the precautionary principle; philosophies of human relations with the natural world; possible implications of environmental necessity for political, social, constitutional and economic organisation; environmental economics and issues of public and private property; historical and present-day case studies. This course is offered in alternate years.

C: LAWS 202-LAWS 206

R: LAWS 304

**LAWS 315 Transnational Criminal Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

Globalised criminal activity has forced states to coordinate their legal responses. This course examines the system of international and domestic laws used by states to suppress transnational criminal activity. First it examines the identification of transnational criminal threats and the development of policy in response. Then it examines the substantive crimes established through treaties. It analyses the contraband offences, crimes of violence and the concept of transnational organised crime. Finally it examines international procedural co-operation. It begins with the foundational issue of jurisdiction and then turns to the steps in that process such as mutual legal assistance and extradition.

P: LAWS 324

C: LAWS 202-LAWS 206

R: CRJU 311

EQ: CRJU 311

**LAWS 319 Environmental Law, Conservation and the Public Interest**

15 Points 0.1250 EFTS

The law governing the Department of Conservation and its duties, powers and role, and the Ministry for the Environment, and the Treaty of Waitangi as it bears on these; historic places, public recreational and access issues, fish and game matters, pastoral leases, indigenous forest management, biosecurity, hazardous substances and new organisms and commercial fisheries. This course is offered in alternate years.

C: LAWS 202-LAWS 206

R: LAWS 304

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS319-20S1 (C) Semester 1****LAWS 320 NZ Bill of Rights Act 1990**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: LAWS 202-206

**LAWS 321 International Criminal Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: LAWS 324

C: LAWS 202-LAWS 206

R: CRJU 309

EQ: CRJU 309

**LAWS 322 International Human Rights**

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to international human rights instruments and institutions.

C: LAWS 202-LAWS 206

**LAWS 323 Immigration and Refugee Law**

15 Points 0.1250 EFTS

An examination of selected domestic and international issues in immigration and refugee law.

C: LAWS 202-LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS323-20S1 (C) Semester 1****LAWS 324 Principles of Public International Law**

15 Points 0.1250 EFTS

The principles of the laws of nations in peace, war and neutrality, and selected issues.

C: LAWS 202-LAWS 206

R: LAWS 342, LAWS 375 (prior to 2006)

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS324-20S2 (C) Semester 2****LAWS 326 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: LAWS 202-LAWS 206  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS326-20S1 (C)** Semester 1

### LAWS 327 International Environmental Law

15 Points 0.1250 EFTS

Challenges and institutional responses to global environmental problems, including global warming. This course is offered in alternate years.

P: LAWS 324  
 C: LAWS 202-LAWS 206  
 R: ILAP 612  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS327-20S2 (C)** Semester 2

### LAWS 330 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: LAWS 202-LAWS 206  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS330-20S2 (C)** Semester 2

### LAWS 331 Commercial Law I: Sales and Consumer Law

15 Points 0.1250 EFTS

**Not offered in 2020**

The course involves a detailed study of the law relating to sale of goods, consumer guarantees, fair trading and other consumer protection legislation.

C: LAWS 202-206  
 R: LAWS 311

### LAWS 332 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: LAWS 202-LAWS 206  
 R: LAWS 311  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS332-20S1 (C)** Semester 1

### LAWS 336 Antarctic Legal Studies

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is offered in alternate years.

C: LAWS 202-LAWS 206  
 R: LAWS 372 (prior to 2006), ANTA 402

### LAWS 338 World Trade Law

15 Points 0.1250 EFTS

An examination of the major agreements and institutions relating to international trade and development.

C: LAWS 202-LAWS 206  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS338-20S2 (C)** Semester 2

### LAWS 339 Negotiation and the Lawyer

15 Points 0.1250 EFTS

Theory and practice of negotiation, lawyers' roles and professional responsibility.

P: (i) LAWS 101; and (ii) LAWS 110  
 C: LAWS 202-LAWS 206  
 R: LAWS 369 (prior to 2006)  
 Domestic Fee: \$806 (2019)  
 International Fee: \$3,775 (2019)  
**LAWS339-19SU2 (C)** Summer (Nov 19)  
*Limited entry. See limitation of entry regulations.*

### LAWS 341 Insurance Law

15 Points 0.1250 EFTS

The main principles of insurance law with specific reference to life and property insurance.

C: LAWS 202-LAWS 206  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS341-20S2 (C)** Semester 2

### LAWS 343 International Institutions

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will explore the development of international institutions, both at a global level (with particular emphasis on the World Trade Organisation) and a Regional level (with specific reference to the European Union). It will examine their impact and operation and ask what their development means for the future of domestic and international public law in New Zealand and throughout the world.

P: LAWS 324  
 C: LAWS 202-LAWS 206

### LAWS 344 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: LAWS 202-LAWS 206  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS344-20S2 (C)** Semester 2

### LAWS 346 Commercial Law 3: Commercial Relationships

15 Points 0.1250 EFTS

**Not offered in 2020**

This course covers fundamental principles of the law of agency and the application of these in a range of commercial relationships.

C: LAWS 202-206

### LAWS 348 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: LAWS 202-LAWS 206  
 R: LAWS 379 (prior to 2006)  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS348-20S1 (C)** Semester 1  
**LAWS348-20S2 (C)** Semester 2

### LAWS 350 Competition Law

15 Points 0.1250 EFTS

The Law regulating or promoting competition in the New Zealand economy.

C: LAWS 202-LAWS 206  
 R: AFIS 355, ACIS 355  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS350-20S1 (C)** Semester 1

### LAWS 351 Law and Sport

15 Points 0.1250 EFTS

A study of the main principles of law affecting amateur and professional sporting activity. This course is offered in alternate years.

C: LAWS 202-LAWS 206  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS351-20S1 (C)** Semester 1

### LAWS 352 Taxation Law

15 Points 0.1250 EFTS

An introduction to income tax. The course also includes consideration of taxpayers' rights and obligations, tax planning and tax avoidance, the role of lawyers in tax investigations and dispute resolution, comparative tax law and practice.

C: LAWS 202-LAWS 206  
 R: LAWS 394 (1999), LAWS 395 (2000-2001)  
 Domestic Fee: \$822 (2019)  
 International Fee: \$4,000 (2019)  
**LAWS352-20S2 (C)** Semester 2

**LAWS 354 Judicial Review**

15 Points 0.1250 EFTS

**Not offered in 2020**

The principles used by the courts to control the exercise of public power.

C: LAWS 202-LAWS 206

R: LAWS 394 (2000-2002)

**LAWS 355 European Union Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

The purpose of this course is to provide students with an overall understanding of the EU legal system and associated issues, including the institutional structure of the EU; European Administrative Law; EU lawmaking and judicial control of Union legislation; free movement of goods, persons and services; EU intellectual property law; European criminal law; protection of human rights in the EU; freedom of expression in the EU; environmental protection in the EU; the EU in the world trading system; and implications of the EU for the nation state.

C: LAWS 202-LAWS 206

R: EURO 311, EURA 311

**LAWS 356 Special Topic: Selected Topics in Natural Resource Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

The purpose of this course is to provide students with an introduction to selected topics in natural resource law in New Zealand including: mining and energy law; the specific legislative, administrative and common law regimes for selected natural resources; the interaction of relevant statutes with the Resource Management Act 1991; the ability to own natural resources; the relationship of that ownership to the ownership of land; the role of private property in resource management, and Māori claims to natural resources.

C: LAWS 202 - LAWS 206

RP: LAWS 205

**LAWS 357 Special Topic: Financial Regulation**

15 Points 0.1250 EFTS

This course aims to give students a solid understanding of the international and national financial regulatory framework and main pieces of financial regulatory legislation.

C: LAWS 202-LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS357-20S2 (C) Semester 2****LAWS 358 The Rights of Indigenous Peoples**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: LAWS 202-LAWS 206

**LAWS 359 Trial Advocacy**

15 Points 0.1250 EFTS

Theory and practice of trial advocacy.

P: (i) LAWS 101 and (ii) LAWS 110; (iii) LAWS 316 or LAWS 307.

C: LAWS 202-LAWS 206

R: LAWS 389 (prior to 2006)

Domestic Fee: \$806 (2019)

International Fee: \$3,775 (2019)

**LAWS359-19SU2 (C) Summer (Nov 19)***Limited entry. See limitation of entry regulations.***LAWS 360 Jurisprudence**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course involves a study of various modern theories about law from both a descriptive and critical perspective.

C: LAWS 202-LAWS 206

R: LAWS 302

**LAWS 362 Natural Disasters and the Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course will cover (a) the constitutional, administrative and legislative framework for coping with natural disasters in New Zealand; (b) the legal impact of natural 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 natural 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: LAWS 202-LAWS 206

**LAWS 363 Individual Employment Law**

15 Points 0.1250 EFTS

The course aims to provide a sound academic grounding in key areas of individual employment law. It will examine the key topics of classifying the employer/employee relationship, formation of individual employment agreements, operation of individual employment agreements, including interrelationship with collective agreements, and principles relevant to termination, with particular reference to the personal grievance jurisdiction.

C: LAWS 202-206

R: LAWS 318

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS363-20S1 (C) Semester 1****LAWS 364 Law of the Sea**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: LAWS 202-LAWS 206

R: LAWS 362 prior to 2010, ILAP 630

**LAWS 365 Issues in Policing, Prosecution and Alternatives to Prosecution**

15 Points 0.1250 EFTS

Policing theories; police powers to arrest and search; prosecution process, diversion, restorative justice; youth justice; alternatives to traditional court prosecution of offenders; Criminal Procedure (Mentally Impaired Persons Act) 2003

C: LAWS 202-LAWS 206

R: LAWS 337, CRJU 307

EQ: CRJU 307

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS365-20S1 (C) Semester 1****LAWS 366 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: LAWS 202-LAWS 206

R: LAWS 337; CRJU 301

EQ: CRJU 301

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS366-20S1 (C) Semester 1****LAWS 367 Special Topic: AI Regulation**

15 Points 0.1250 EFTS

This course aims to give students a solid understanding of the concept of artificial intelligence, the existing spectrum of AI technologies, and ethical and legal questions related to their use.

C: LAWS 202-LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS367-20S1 (C) Semester 1****LAWS 368 Comparative Law: New Zealand Law in Global Context**

15 Points 0.1250 EFTS

Comparative Law is the study and understanding of different systems of law both as an end in itself and as a means of better understanding the "home" jurisdiction. In an increasingly globalised world, it is fundamentally important to understand the variety of approaches to law that exist and to understand that our own approach is merely one of many. This course provides a basic introduction to the methods of comparative law and a brief overview of key differences in the world's various legal systems. Case studies will provide a deeper understanding of selected overseas jurisdictions and aspects of law. Students who study this course will be well equipped to face the increasingly globalised nature of law and society.

C: LAWS 202 - LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS368-20S2 (C) Semester 2**

**LAWS 370 Problems in International and Regional Trade**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course examines selected problems in international and regional trade from a New Zealand perspective. Alternate year offering.

C: LAWS 202 - LAWS 206

R: ILAP 633

**LAWS 371 International Investment Law and Arbitration**

15 Points 0.1250 EFTS

The course examines selected problems in international investment law and arbitration relevant to a New Zealand context. Alternate year offering.

C: LAWS 202-LAWS 206

R: LAWS 333 and ILAP 634

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS371-20S2 (C) Semester 2****LAWS 373 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.

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS373-20A (C) Starts Anytime****LAWS 376 Resource Management Act 1991: Selected Issues**

15 Points 0.1250 EFTS

This course is designed for students wishing to study selected issues in resource management law and sustainability. The course focuses on the Resource Management Act 1991 and investigates various statutory provisions in this Act as they relate to contemporary issues. Current issues include contentious issues such as water rights, wind farms, emissions and sequestration, and iwi involvement. At least for the next three years, the interface between the RMA and the Canterbury Earthquake Recovery Act 2011 will be studied as events unfold in Christchurch. Practitioners skilled in resource management issues will be invited to give guest lectures.

C: LAWS 202 - LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS376-20S2 (C) Semester 2****LAWS 378 Genetics, Neuroscience and the Criminal Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will consider the legal and ethical issues involved in the use of genetic and neuroscientific evidence during criminal investigations and criminal proceedings. This course is offered in alternate years.

P: LAWS 202

C: LAWS 203-LAWS 206

R: CRJU 313

**LAWS 380 Contemporary Issues in Criminal Law and Procedure**

15 Points 0.1250 EFTS

Selected topics of current importance in criminal law, drawn from the following list: gender issues in criminal law; dealing with insanity and intellectual disability in criminal cases; consent in sexual offences and offences against the person; offences involving alcohol and drugs; self-defence and the use of force in the defence of property; state powers of search and seizure; prosecutorial discretion and the initiation of proceedings; computer crime; terrorism-related offences; changes to pre-trial and trial proceedings including inquisitorial trials; double jeopardy; interference with criminal proceedings (including both offences against justice and contempt of court).

P: LAWS 202 or CRJU 202

C: LAWS 203-LAWS 206

R: CRJU 312

EQ: CRJU 312

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS380-20S2 (C) Semester 2****LAWS 381 Landlord and Tenant**

15 Points 0.1250 EFTS

**Not offered in 2020**

A study of the main principles of law relating to commercial, residential and agricultural leases and Māori leasehold land together with appropriate elements of negotiation, drafting and dispute resolution.

C: LAWS 202-LAWS 206

**LAWS 382 Legal Internship**

15 Points 0.1250 EFTS

Study of theoretical and practical issues relating to legal services.

P: (i) LAWS 101; and (ii) LAWS 110; and (iii) Subject to approval of Head of School.

C: LAWS 202-LAWS 206.

Domestic Fee: \$806 (2019)

International Fee: \$3,775 (2019)

**LAWS382-19SU2 (C) Summer (Nov 19)****LAWS382-20S1 (C) Semester 1****LAWS382-20S2 (C) Semester 2**

The Summer offering is subject to Limitation of Entry: See limitation of entry regulations.

**LAWS 383 Law and Medicine**

15 Points 0.1250 EFTS

**Not offered in 2020**

A study of the main principles of law affecting medicine and medical practice. This course is offered in alternate years.

C: LAWS 202-LAWS 206

R: CRJU 313

**LAWS 384 Legislation: Law-Making for the 21st Century**

15 Points 0.1250 EFTS

**Not offered in 2020**

The intention of this course is to provide an understanding of the legislative process in New Zealand. It is also meant to raise awareness of possible democratic inadequacies and provide alternative solutions. Students who intend to pursue a career or have an interest in public, constitutional or international law are encouraged to take this course. This course is offered in alternate years.

C: LAWS 202-LAWS 206

**LAWS 386 Clinical Legal Studies**

15 Points 0.1250 EFTS

The Clinical Legal Studies (CLS) course provides students with applied legal skills and selected management skills training in a context that replicates actual legal practice in the business and legal services environment. Part of the course offering is assisting actual clients with legal and business-related problems, and partnering with pro bono lawyers and the Community Law Centre to take legal action in suitable cases. The course will also have the objective of promoting an ethos of effective client-service, and promoting the law as a tool for pro-actively solving problems, not merely reactively responding to problems.

P: LAWS 202-LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS386-20S1 (C) Semester 1****LAWS 387 Advanced Public Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

Advanced Public Law will examine theories of public law scholarship in key areas of the discipline. It will examine the primary materials and specialist writings such as: parliamentary sovereignty, the rule of law, judicial review, independence of the judiciary, parliamentary privilege and the Treaty of Waitangi. In addition, students will conduct research on an approved public law topic, write an essay of 3,000 words and deliver an oral presentation to the class on their research.

P: LAWS 206

C: LAWS 202-LAWS 205

Limited entry: See limited entry Regulations.

**LAWS 388 European Public Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course, supported by the European Commission's Jean Monnet programme, is the first of its kind in New Zealand. It examines the constitutional and administrative structures of selected EU Member States and the EU itself. It focusses on their practical operation and the rules and principles that govern decision making in the European Union. The course includes an examination of the EU's external relations and its impact on the Pacific region.

C: LAWS 202-LAWS 206

R: EURO 333, EURA 333

EQ: EURA 333, EURO 333

**LAWS 390 Private International Law**

15 Points 0.1250 EFTS

This course covers the choice of applicable law in private law disputes, the international jurisdiction of New Zealand courts in civil litigation, and the enforcement of foreign civil judgments in New Zealand.

C: LAWS 202-LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS390-20S2 (C) Semester 2**

**LAWS 391 Māori Land Law**

15 Points 0.1250 EFTS

An introduction to the law relating to Māori land and related resources.

C: LAWS 202-LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS391-20S2 (C) Semester 2****LAWS 392 The Treaty of Waitangi**

15 Points 0.1250 EFTS

**Not offered in 2020**

The status and effect of the Treaty of Waitangi in the legal system.

C: LAWS 202-LAWS 206

R: POLS 218; POLS 258; HIST 268; SOCI 209; HSRV 207; MAOR 219

**LAWS 393 Advanced Land Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

Advanced study of contemporary concepts of real property. This course is offered in alternate years.

P: (i) LAWS 101; and (ii) LAWS 110; (iii) LAWS 205

C: LAWS 202-LAWS 204, LAWS 206

**LAWS 396 Media Law**

15 Points 0.1250 EFTS

C: LAWS 202-LAWS 206

R: COMS 233

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS396-20S1 (C) Semester 1****LAWS 397 Civil Litigation**

15 Points 0.1250 EFTS

**Not offered in 2020**

An examination of the principles of civil procedure, the underlying philosophy of the regulations of court proceedings, and an examination of the rules by which parties resolve disputes before civil tribunals.

C: LAWS 202-LAWS 206

**LAWS 398 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: LAWS 202-LAWS 206

R: LAWS 370 (prior to 2006), LAWS 399 (prior to 2006)

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LAWS398-20S1 (C) Semester 1****LLAW 300 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: LAWS 202-LAWS 206

Domestic Fee: \$822 (2019)

International Fee: \$4,000 (2019)

**LLAW300-20S2 (C) Semester 2****LLAW 302 Special topic : Food law and commercialisation**

15 Points 0.1250 EFTS

**Not offered in 2020**

Food law and commercialisation examines the local and international policy and regulatory environment for food, before examining specific issues with food regulation and the practice of food commercialisation.

C: LAWS 202-LAWS 206

**Tāura | Postgraduate***Note: Postgraduate courses may be subject to change. For up-to-date information, students are advised to check [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***LAWS 410 Advanced Research Skills**

10 Points 0.0833 EFTS

P: Subject to approval of the Head of Department

R: LAWS 401

Domestic Fee: \$654 (2019)

International Fee: \$2,624 (2019)

**LAWS410-20S1 (C) Semester 1***Honours candidates only. Entry to the Honours programme is by invitation.***LAWS 420 Honours Research Paper**

20 Points 0.1667 EFTS

P: LAWS 410

R: LAWS 401

Domestic Fee: \$1,309 (2019)

International Fee: \$5,251 (2019)

**LAWS420-20S2 (C) Semester 2***Honours candidates only. Entry to the Honours programme is by invitation.***LAWS 430 Honours Dissertation**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

R: LAWS 451, LAWS 501

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**LAWS430-20W (C) Whole Year (S1 and S2)***Honours candidates only. Entry to the Honours programme is by invitation.***LAWS 604 Criminal Law**

40 Points 0.3333 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,617 (2019)

International Fee: \$11,932 (2019)

**LAWS604-20FY (C) Full Year (February to February)****LAWS 646 Special Topic**

40 Points 0.3333 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,617 (2019)

International Fee: \$11,932 (2019)

**LAWS646-20FY (C) Full Year (February to February)****LAWS 647 Special Topic**

40 Points 0.3333 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,617 (2019)

International Fee: \$11,932 (2019)

**LAWS647-20FY (C) Full Year (February to February)****LAWS 648 Special Topic**

40 Points 0.3333 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,617 (2019)

International Fee: \$11,932 (2019)

**LAWS648-20FY (C) Full Year (February to February)****LAWS 670 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.

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

**LAWS670-20S1 (C) Semester 1**

**LAWS 671 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.

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

**LAWS671-20FY (C) Full Year (February to February)****LAWS671-20CY (C) Cross Year****LAWS 672 Legal Research Paper 2**

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.

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

**LAWS672-20FY (C) Full Year (February to February)****LAWS672-20CY (C) Cross Year****LAWS 673 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.

Domestic Fee: \$982 (2019)

International Fee: \$4,475 (2019)

**LAWS673-20FY (C) Full Year (February to February)****LAWS673-20CY (C) Cross Year****LAWS 674 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.

Domestic Fee: \$3,926 (2019)

International Fee: \$17,900 (2019)

**LAWS674-20FY (C) Full Year (February to February)****LAWS674-20CY (C) Cross Year****LAWS 690 LLM Thesis**

120 Points 1.0000 EFTS

P: Admission to LLM candidature. Head of Department Mandatory.

Domestic Fee: \$7,351 (2019)

International Fee: \$35,800 (2019)

**LAWS690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***LAWS 790 Law PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,351 (2019)

International Fee: \$35,800 (2019)

**LAWS790-20A (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.*

# Linguistics

*Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences***LING 101 The English Language**

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: ENGL 123, ENLA 101

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

**LING101-19SU2 (D) Summer (Nov 19)****LING101-20S1 (C) Semester 1****LING101-20S1 (D) Semester 1****LING 102 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: ENLA 102

EQ: ENLA 102

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**LING102-20S2 (D) Semester 2****LING102-20S2 (C) Semester 2****LING 104 European Languages in Europe and Beyond**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is for students undertaking a first year course in European languages or in European Union studies. The course is open to all undergraduates irrespective of their discipline. It covers a range of topics relating to languages of Europe: how they developed and spread as a group of languages, as isolates, or the way in which (inter)national languages of Europe developed. The course also looks at the role languages play in the European Union, and how the construction of Europe insists on protecting language diversity.

R: EULC 104, EURO 104, EURA 104

EQ: EURA 104

**LING 210 Sociolinguistic methods**

15 Points 0.1250 EFTS

This course explores the sociolinguistic study of language variation and change. We examine how language varies both between individuals (e.g. accents) and within individuals (e.g. style). You will also learn transferable research skills. Students will record a sociolinguistic interview and analyse it to uncover hidden linguistic patterns.

P: Any 15 points at any level from any subject.

R: LING 203, ENLA 210

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**LING210-20S2 (C) Semester 2****LING 215 Phonetics: The sounds of speech**

15 Points 0.1250 EFTS

This course is about phonetics - understanding how speech sounds are made. In the first part of the course, we learn how people articulate sounds. In the second part, we learn how to measure speech sounds using computer software. We will also learn how these skills can help us understand important issues in accent change, forensic linguistics, and speech pathology.

P: Any 15 points at any level from LING.

R: CMDS 231

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**LING215-20S1 (C) Semester 1****LING 216 Phonology and Morphology**

15 Points 0.1250 EFTS

How do languages organize sound systems to create words, and how do they combine small meaningful units to make larger complex words? Students will get hands-on experience discovering patterns in many languages, and will gain an understanding of how these patterns may be shaped by the cognitive properties of speakers and listeners.

P: Any 15 points at any level from LING.

R: LING 207, LING 302

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**LING216-20S2 (C) Semester 2**



## Linguistics

### LING 217 Grammatical structure

15 Points 0.1250 EFTS

This course offers you the opportunity to discover the principles behind the way in which speakers of a language combine words into phrases and sentences. We will take a scientific look at utterances you encounter in everyday life, and you will learn to use tree diagrams to represent the structural patterns you find.

P: Any 15 points at any level from LING.

R: LING 201, LING 206, LING 211

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

LING217-20S1 (C) Semester 1

### LING 219 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: CMDS 221, LING 205

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

LING219-20S2 (C) Semester 2

### LING 223 Text Analytics

15 Points 0.1250 EFTS

This course introduces quantitative methods for understanding the vast amount of information and human knowledge that has been stored in the form of text data.

P: 15 points at any level from any subject. Recommended preparation: COSC 121 or INFO 125 or equivalent experience

R: DIGI 223

RP: COSC 121 or INFO 125 or equivalent experience

EQ: DIGI 223

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

LING223-20S1 (C) Semester 1

### LING 224 Language and Space

15 Points 0.1250 EFTS

Bringing together sociolinguistics and human geography, this course uses data analysis to explore the interaction between language and space.

P: Any 15 points at 100 level from LING, GEOG or DIGI.

R: DIGI 224, GEOG 224

EQ: DIGI 224, GEOG 224

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

LING224-20S2 (C) Semester 2

### LING 225 Forensic Linguistics

15 Points 0.1250 EFTS

How can we use linguistics to solve crimes? In this course, students will learn how linguistic analysis is used in legal settings. We ask (1) What can a spoken or written text tell us about its author(s)? (2) What factors facilitate author attribution and what factors complicate it? (3) Is there really such a thing as a 'linguistic fingerprint', allowing us to categorically identify someone just from a recording of their voice or a piece of their writing? And (4) What is involved in 'being a forensic linguist'?

P: Any 15 points at any level from any subject.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

LING225-20S1 (C) Semester 1

LING225-20S1 (D) Semester 1

### LING 230 Special Topics in Linguistics

15 Points 0.1250 EFTS

Not offered in 2020

P: Any 15 points at any level from any subject.

### LING 306 Topics in Syntactic Theory

30 Points 0.2500 EFTS

This course follows on from second-year syntax, covering selected advanced topics and current research in syntactic theory.

P: LING 217

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

LING306-20S2 (C) Semester 2

### LING 307 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: LING 215

R: LING 301, LING 311

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

LING307-20S1 (C) Semester 1

### LING 309 Topics in Morphology and Word Formation

30 Points 0.2500 EFTS

Not offered in 2020

Words have an internal structure and, in many languages, words also take inflections. Theories relating to these basic properties predict that there are limits on both word formation and inflection. They also predict that there will be interface conditions with the phonology, syntax and semantics of languages. This course will explore and test some of these theories by reference to a range of languages.

P: LING 201 or LING 206 or LING 211 or LING 216 or LING 217

### LING 310 Linguistic Research and New Zealand English

30 Points 0.2500 EFTS

Research on New Zealand English has taught us a lot about how language varies and changes. In this course, you will carry out your own research project on New Zealand English, using our internationally renowned language databases, or by collecting your own data using a questionnaire or language experiment. You will do real research, in a collaborative research lab environment. The best projects are submitted to academic journals for possible publication.

P: Any 15 points at 200 level from LING.

R: ENLA 310

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

LING310-20S2 (C) Semester 2

### LING 320 History of English

30 Points 0.2500 EFTS

This course explores language variation and change, and illustrates these notions through a survey of the way in which English has varied and changed during its recorded history. It will look both at the social history of the language and the linguistic changes that have taken place over the last 1400 years.

P: LING 101 and any 15 points at 200 level from any subject.

R: LING 220, ENLA 320

RP: Any LING 200 level course

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

LING320-20S1 (C) Semester 1

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PACE395-20A (C) Starts Anytime

PACE395-20S1 (C) Semester 1

PACE395-20S2 (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.

## Tāura | Postgraduate

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

### LING 400 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.

Domestic Fee: \$1,847 (2019)

International Fee: \$7,250 (2019)

LING400-19SU2 (D) Summer (Nov 19)

**LING 403 Syntactic Theory**  
30 Points 0.2500 EFTS  
**Not offered in 2020**  
Current issues in generative syntax.  
P: Subject to approval of the Head of Department.

**LING 407 Field Methods**  
30 Points 0.2500 EFTS  
**Not offered in 2020**  
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.

**LING 410 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.  
Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)  
**LING410-20S1 (C) Semester 1**

**LING 412 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.  
Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)  
**LING412-20S2 (C) Semester 2**

**LING 480 Research Essay**  
30 Points 0.2500 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)  
**LING480-20S2 (C) Semester 2**

**LING 615 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.  
Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)  
**LING615-20S1 (C) Semester 1**  
**LING615-20S1 (D) Semester 1**

**LING 690 MA Thesis**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$7,022 (2019)  
International Fee: \$30,700 (2019)  
**LING690-20A (C) Starts Anytime**  
*Part-time enrolment (0.65 EFTS) is available on approval.*

**LING 691 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.  
Domestic Fee: \$5,267 (2019)  
International Fee: \$23,025 (2019)  
**LING691-20A (C) Starts Anytime**

**LING 790 Linguistics PhD**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$7,022 (2019)  
International Fee: \$30,700 (2019)  
**LING790-20A (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.*

## Management

*Department of Management, Marketing and Entrepreneurship*

**MGMT 100 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: MGMT 101  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**MGMT100-20S1 (C) Semester 1**  
**MGMT100-20S2 (C) Semester 2**

**MGMT 170 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: MSCI 101  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**MGMT170-20S2 (C) Semester 2**

**MGMT 206 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) MGMT 100; and (2) A further 45 points  
R: MGMT 201, MGMT 216  
EQ: MGMT 216  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**MGMT206-20S1 (C) Semester 1**

**MGMT 207 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) MGMT 100; and (2) A further 45 points  
Domestic Fee: \$822 (2019)  
International Fee: \$3,688 (2019)  
**MGMT207-20S1 (C) Semester 1**

**MGMT 208 Principles of Leadership**  
15 Points 0.1250 EFTS  
**Not offered in 2020**  
This course takes a holistic look at leadership. It explores the foundations of personal leadership with particular attention to the emerging disciplines of positive psychology and positive leadership. The course will provide students the opportunity to apply leadership in real world situations, as students will work in groups with local leaders to assess the needs, then design and carry out a project to help meet the needs of the assigned organisation.  
P: (1) MGMT 100; and (2) A further 45 points

## Management

### MGMT 221 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: MGMT 220

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT221-20S1 (C) Semester 1**

### MGMT 223 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT223-20S2 (C) Semester 2**

### MGMT 228 Chinese Business Practices and Culture (study tour)

15 Points 0.1250 EFTS

This course comprises a 3-week study trip to Zhejiang Gongshang University in Hangzhou, China, where the student will take courses on Chinese business practices and culture, and interact with Chinese students and businesses.

P: (1) 30 points from Commerce subjects; (2) a further 30 points at 200-level; (3) subject to Head of Department approval.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT228-20X (C) 07 Sep 2020 - 07 Feb 2021**

Limited entry. See limitation of entry regulations.

### MGMT 230 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: MKTG 230

EQ: MKTG 230

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT230-20S1 (C) Semester 1**

**MGMT230-20S2 (C) Semester 2**

### MGMT 240 Business Communication for the Global Age

15 Points 0.1250 EFTS

#### Not offered in 2020

This course examines core communication functions in contemporary organisations and discusses how these can be fulfilled in a global business setting. It seeks to provide students with a sound theoretical framework from which to develop their professional communication practices.

P: MGMT 100

RP: MGMT 206

### MGMT 270 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) MGMT 100 or MGMT 170; and (2) STAT 101

R: MSCI 270, MSCI 220

EQ: MSCI 270

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT270-20S1 (C) Semester 1**

### MGMT 271 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) MGMT 100 or MGMT 170; and (2) STAT 101

R: MSCI 221, MSCI 271

RP: MGMT 270 or MSCI 270

EQ: MSCI 271

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT271-20S2 (C) Semester 2**

### MGMT 281 Business Research Methods

15 Points 0.1250 EFTS

This course introduces students to the philosophy of research in the business/management field, including both qualitative and quantitative methods. It covers the research process and introduces students to the statistical package SPSS. This course is highly recommended for students contemplating postgraduate study in management.

P: (1) 15 points STAT; and (2) A further 45 points

R: MKTG 280, MSCI 280, MGMT 280, MSCI 281

EQ: MSCI 281

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT281-20S2 (C) Semester 2**

### MGMT 301 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: MGMT 206 and MGMT 207

R: MGMT 315

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT301-20S1 (C) Semester 1**

### MGMT 303 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: Any 45 points from LAWS 101, LAWS 110 or MGMT 200-level courses or above.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT303-20S2 (C) Semester 2**

### MGMT 304 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: MGMT 206 and MGMT 207

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT304-20S1 (C) Semester 1**

### MGMT 306 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: MGMT 305

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT306-20S1 (C) Semester 1**

Limited entry. See limitation of entry regulations.

### MGMT 308 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: MGMT 206 and MGMT 207

R: MGMT 307

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT308-20S2 (C) Semester 2**

### MGMT 324 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT324-20S2 (C) Semester 2**

### MGMT 330 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT330-20S2 (C) Semester 2**

### MGMT 331 Learning and Development in Organisations

15 Points 0.1250 EFTS

**Not offered in 2020**

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

### MGMT 332 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT332-20S2 (C) Semester 2**

### MGMT 333 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT333-20S1 (C) Semester 1**

### MGMT 334 Negotiation for Business

15 Points 0.1250 EFTS

**Not offered in 2020**

This course provides advanced knowledge of the area of business negotiation and bargaining. It trains students in the use of analytical thinking and creative problem-solving skills to address specific problems, including resolution of disagreements

P: Any 45 points from LAWS 101, LAWS 110 or MGMT 200-level courses or above.

### MGMT 335 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: 1) MGMT 230 or MKTG 230; and 2) Any 45 points at 200-level or above in Commerce

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT335-20S1 (C) Semester 1**

### MGMT 342 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT342-20S2 (C) Semester 2**

### MGMT 343 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT343-20S2 (C) Semester 2**

### MGMT 344 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: MGMT 320

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT344-20S1 (C) Semester 1**

### MGMT 345 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT345-20S1 (C) Semester 1**

### MGMT 370 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) MGMT 270 or MSCI 270; and (2) A further 45 points at 200-level or above

R: MSCI 320, MSCI 370

EQ: MSCI 370

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT370-20S1 (C) Semester 1**

### MGMT 371 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) MGMT 270 or MSCI 270; and (2) A further 45 points at 200-level or above

R: MSCI 321, MSCI 371

EQ: MSCI 371

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT371-20S2 (C) Semester 2**

## Management

### MGMT 372 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: MSCI 322, MSCI 324, MSCI 372, INFO 313, ACIS 313

EQ: MSCI 372

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT372-20S2 (C) Semester 2**

### MGMT 373 Quality Management

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is about how to manage quality with an emphasis on statistical quality control. It will cover a number of topics such as: an overview of quality management, problem solving tools, statistical process control, design of experiments and six sigma quality. Many of the topics covered in this course are part of standard certified Six Sigma Black Belt course curriculum.

P: (1) MGMT 270 or MSCI 270; and (2) MGMT 271 or MSCI 271

R: MSCI 323, MSCI 373

EQ: MSCI 373

### MGMT 390 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

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MGMT390-20A (C) Starts Anytime**

**MGMT390-20S2 (C) Semester 2**

## Tāura | Postgraduate

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

### MGMT 611 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: MGMT 411

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MGMT611-20S2 (C) Semester 2**

### MGMT 612 Conflict and Collaboration in Work Teams

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores the dynamics of collaboration and conflict in work groups. This comprises (a) an overview of the legal framework and institutional arrangements, and (b) contemporary, social psychological perspectives of conflict and collaboration, and the application of these in developing practices and systems for managing employment relationships.

P: Subject to approval of the Head of Department.

RP: 300-level courses in HRM and MGMT

EQ: MGMT 412

### MGMT 616 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: MGMT 416

EQ: MGMT 416

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MGMT616-20S1 (C) Semester 1**

### MGMT 617 Advanced Communication Management

15 Points 0.1250 EFTS

**Not offered in 2020**

The effective management of communication is central to the success of all enterprises regardless of whether they are commercial enterprises or not-for-profit. This course examines what is known about communication management using examples from marketing, public relations, politics, journalism, mass, organisational and interpersonal communication.

P: Subject to approval of the Head of Department

EQ: MGMT 475

### MGMT 619 Topics in Operations Management

15 Points 0.1250 EFTS

**Not offered in 2020**

This course covers advanced topics in operations management such as logistics management, supply chain management, lean management and quality management. It will cover theory, tools and techniques and applied case studies.

P: Subject to approval of the Head of Department.

R: MSCI 619

RP: 300-level course in operations management.

EQ: MSCI 619

### MGMT 620 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: MKTG 620

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**MGMT620-20S1 (C) Semester 1**

### MGMT 641 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: MGMT 441

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MGMT641-20S2 (C) Semester 2**

### MGMT 643 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: MGMT 443

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MGMT643-20S1 (C) Semester 1**

### MGMT 644 International Business and Entrepreneurship

15 Points 0.1250 EFTS

**Not offered in 2020**

This course has the dual objectives of preparing students to undertake internationalisation activity as reflective practitioners and providing the conceptual background needed for research in the field of international business/entrepreneurship.

RP: International Business courses

### MGMT 680 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: MGMT 620

EQ: MGMT 480

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**MGMT680-20S2 (C) Semester 2**



**MGMT 694 MCom Thesis**  
 90 Points 0.7500 EFTS  
 P: Subject to approval of the Head of Department  
 Domestic Fee: \$5,513 (2019)  
 International Fee: \$23,625 (2019)  
**MGMT694-20A (C)** Starts Anytime

**MGMT 695 MCom Thesis**  
 120 Points 1.0000 EFTS  
 P: Subject to approval of the Head of Department  
 Domestic Fee: \$7,351 (2019)  
 International Fee: \$31,500 (2019)  
**MGMT695-20A (C)** Starts Anytime  
*Part-time enrolment (0.65 EFTS) is available on approval.*

**MGMT 790 Management PhD**  
 120 Points 1.0000 EFTS  
 P: Subject to approval of the Head of Department  
 Domestic Fee: \$7,351 (2019)  
 International Fee: \$31,500 (2019)  
**MGMT790-20A (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.*

## Māori and Indigenous Studies

Aotahi: School of Māori and Indigenous Studies

**MAOR 107 Aotearoa: Introduction to Traditional Māori Society**  
 15 Points 0.1250 EFTS  
 A comprehensive introduction to: the settlement of the Pacific, Polynesian navigation, star paths, renaissance of voyaging. Māori astronomy, new year stars. Creation myths, Skyfather, Earthmother, gods, origins of life and death. Demigods - Māui, Tāwhaki, Whaitiri. Oral traditions, first arrivals, canoe ancestors, explorers, romance, sexual imagery, war. Spiritual beliefs, mana, tapu, Makutu black magic witchcraft. Māori geography of New Zealand, greenstone trails, forest lore, pā and settlements, meeting houses, sacred rituals and protocols. Social structure, tribal organisation, leadership, marriage, sex, death. Fortifications, warfare, weapons, canoes, cannibalism. Wood, bone, greenstone carving, tattoo and moko. Performing arts, haka, contemporary themes. Ngāi Tahu traditions.  
 R: PACS 102  
 EQ: PACS 102  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**MAOR107-20S1 (D)** Semester 1  
**MAOR107-20S1 (C)** Semester 1

**MAOR 108 Aotearoa: Introduction to New Zealand Treaty Society**  
 15 Points 0.1250 EFTS  
 Beginning with the Treaty of Waitangi, this course looks at significant events and issues in the shaping of contemporary New Zealand society. The course will explore issues ranging from early Pakeha settlement, the Treaty of Waitangi, colonisation, the NZ wars through to Māori activism, Treaty settlements and claims to self-determination.  
 R: CULT 114, MAOR 113 (prior to 2006)  
 EQ: CULT 114  
 Domestic Fee: \$761 (2019)  
 International Fee: \$3,188 (2019)  
**MAOR108-19SU2 (D)** Summer (Nov 19)  
**MAOR108-20S2 (C)** Semester 2  
**MAOR108-20S2 (D)** Semester 2

**MAOR 165 He Timatanga: Engaging with Māori**  
 15 Points 0.1250 EFTS  
 This course provides a comprehensive introductory range of skills and understandings to people who may work, research or otherwise engage with Māori communities. Topics include: basic Māori language including pronunciation, greetings, introducing oneself and asking questions; formal and informal marae protocols and customs; traditional and contemporary values and beliefs, social rankings, structures and organizations; the Treaty of Waitangi; the practical application of the Principles of the Treaty.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**MAOR165-20S1 (C)** Semester 1

**MAOR 170 Indigenous Peoples, Development and Anthropology**  
 15 Points 0.1250 EFTS  
**Not offered in 2020**  
 An introduction to a broad range of issues related to the social circumstances and survival of

the world's indigenous peoples  
 R: ANTH 104  
 EQ: ANTH 104

**MAOR 172 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: SCIM 101  
 EQ: SCIM 101  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**MAOR172-20S2 (C)** Semester 2

**MAOR 212 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: HIST 262, HIST 379  
 EQ: HIST 262  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**MAOR212-20S1 (C)** Semester 1

**MAOR 214 Te Ao Mārama: Māori Thought**  
 15 Points 0.1250 EFTS  
 The paper explores thought, philosophies and ideas through Māori history and culture, including: Archaeology and movement through the Pacific and Aotearoa. Oral traditions and iwi traditions. Tikanga, customs and social life. Whakaaro rapunga, philosophies and Māori thought leaders. Conservation, natural lore of land, ocean, taniwha, kaihiakitanga and resource management. Economy, food, feasting and exchange. Students will have the opportunity to research a topic of their choice.  
 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: HIST 259  
 EQ: HIST 259  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**MAOR214-20SU1 (C)** Summer (Jan 20)

**MAOR 219 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: POLS 218, POLS 258, HIST 268, SOCI 209, HSRV 207, CULT 219  
 EQ: POLS 218, POLS 258, HIST 268, SOCI 209, HSRV 207, CULT 219  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**MAOR219-20S2 (C)** Semester 2

**MAOR 230 Ethnicity, Racism and History**  
 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: ANTH 223, HIST 283, PACS 204, SOCI 223, SOCI 323  
 EQ: ANTH 223, HIST 283, PACS 204, SOCI 223  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**MAOR230-20S2 (C)** Semester 2

**MAOR 268 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 TREQ, or any 60 points at 100 level from the Schedule V of the BA.

R: CINE 213

EQ: CINE 213

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**MAOR268-20S2 (C) Semester 2****MAOR 270 Te Ao Hauora Tangata: Māori Health Perspectives**

15 Points 0.1250 EFTS

**Not offered in 2020**

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 Matawāka.

P: Any 15 points at 100 level from HLTH, MAOR, or TREQ, or any 60 points at 100 level from the Schedule V of the BA.

RP: MAOR 108 and/or HLTH 106

**MAOR 282 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 rākau (weaponry - tī rākau, 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 TREQ, or any 60 points at 100 level from the Schedule V of the BA.

R: TREQ 282, MAOR 265, MAOR 382, TREQ 382, MUSA 252

EQ: TREQ 282, MUSA 252

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**MAOR282-20S2 (C) Semester 2****MAOR 285 Oral Traditions and 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 the oral traditions and myths of Ngāi Tahu with a particular emphasis on narrative templates and how these templates are reproduced in the oral traditions that outline the tribe's migration from Wellington to the South Island. The second part of the course will look at Ngāi Tahu's 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 course will then finish with an overview of how Ngāi Tahu and the Crown negotiated on the largest Treaty settlement packages in the nation's history.

P: Any 15 points at 100 level from HIST, MAOR, or TREQ, or any 60 points at 100 level from the Schedule V of the BA.

R: HIST 292

EQ: HIST 292

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**MAOR285-20S1 (C) Semester 1****MAOR 301 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 TREQ, or any 60 points at 200 level from the Schedule V of the BA.

R: POLS 331, POLS 358, CULT 319

EQ: POLS 331, POLS 358, CULT 319

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**MAOR301-20S2 (C) Semester 2****MAOR 317 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 TREQ, or any 60 points at 200 level from the Schedule V of the BA.

R: RELS 322, HIST 366, CULT 302

EQ: CULT 302, HIST 366, RELS 322

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**MAOR317-20S2 (C) Semester 2****MAOR 323 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 15 points in 200-level courses in MAOR or TREQ, or any 30 points in 200-level courses in Arts, Education, Fine Arts, Music and/or Social Work with a B+ grade average. Students are expected to see the Undergraduate Coordinator, find a staff member in the School to supervise their project and submit a two page proposal by February 1st of the year of enrolment. This will count as part of their course work.

R: MAOR 321

Domestic Fee: \$1,523 (2019)

International Fee: \$6,375 (2019)

**MAOR323-19SU2 (C) Summer (Nov 19)****MAOR 329 Myth and History**

30 Points 0.2500 EFTS

**Not offered in 2020**

The myths we create are part of the fabric that make up our past and how we understand it. When we look into the past to find out what really happened, we not only face the problem of sifting myth from fact but we also face the danger of inventing new myths and traditions to go with it. This course will look at how history and myth interact and the problems that this interaction presents to the historian. Students will be introduced to tribal myths and how these stories assimilate 'historical events'. Students will then be introduced to a range of theories and methods historians and indigenous scholars use to manage the obvious tensions within.

P: Any 30 points at 200 level from HIST, MAOR, or TREQ, or any 60 points at 200 level from the Schedule V of the BA.

R: HIST 276, HIST 353

EQ: HIST 353

**MAOR 365 Mana Wahine: Māori and Indigenous Women**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course aims to provide an analysis of Māori and indigenous women in historical, political, cultural and social contexts. Topics include: Māori women, dominant interpretations in theorizing Māori women, mythology, historical accounts, social organization, leadership, Māori women in contemporary society. Both historical and contemporary influences on how Māori women are represented will be a feature of this course.

P: Any 30 points at 200 level from HLTH, MAOR, or TREQ, or any 60 points at 200 level from the Schedule V of the BA.

**MAOR 373 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 TREQ, or any 60 points at 200 level from the Schedule V of the BA.

R: MAOR 417

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**MAOR373-20S1 (C) Semester 1****MAOR 377 Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

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

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime**

**PACE395-20S1 (C) Semester 1**

**PACE395-20S2 (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.*

**Tāura | Postgraduate**

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

**MAOR 401 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: CULT 420

EQ: CULT 420

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**MAOR401-20S1 (C) Semester 1**

**MAOR 402 Nga Take: Ngā Kaiārahi**

30 Points 0.2500 EFTS

**Not offered in 2020**

The critical and theoretical study, with an emphasis on contemporary coaching skills, for social, political, cultural and ideological issues experienced by Māori and indigenous practitioners and scholars.

P: Subject to approval of the Head of School.

R: MAOR 411

**MAOR 404 Kaupapa Māori Research**

30 Points 0.2500 EFTS

The course examines Māori and indigenous research methodologies, approaches and theories. It is designed to facilitate students seeking to embark on post-graduate studies.

P: Subject to approval of the Head of School.

R: PACS 419

EQ: PACS 419

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**MAOR404-20S1 (C) Semester 1**

**MAOR404-20S1 (D) Semester 1**

**MAOR 420 Mātauranga Māori: Changing Knowledge in Indigenous Societies**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course covers topical issues in Māori and Indigenous societies. This includes the impacts, re-configurations and adaptations in Māori belief systems that occurred in the context of colonisation as well as the modern re-emergence of indigenous paradigms in Education, Health and Science. Comparisons are made with other Indigenous knowledges in order to study future directions for advancing and using Māori and Indigenous knowledges in changing societies.

P: Subject to approval of the Head of School.

**MAOR 422 Topics in Ethnicity, Migration and Nationalism**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 School.

R: SOCI 413, HSRV 413

EQ: SOCI 413

**MAOR 423 Development and Postcolonialism**

30 Points 0.2500 EFTS

**Not offered in 2020**

Contemporary theoretical issues and debates of (post)-modern and (post)-colonial discourses in relation to the question of development are introduced. The aim of the course is to make the links visible between 'development' as a discursive cultural configuration and development as an object category of economic 'growth'

P: Subject to approval of the Head of School.

R: SOCI 408, GEND 408, HSRV 422

EQ: SOCI 408

**MAOR 430 Māori Leadership**

30 Points 0.2500 EFTS

This course 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**MAOR430-20X1 (D)**

**MAOR430-20X2 (D)**

**MAOR430-20X (D) 24 Feb 2020 - 13 Sep 2020**

**MAOR 431 Comparative Indigenous Models and Theories of Development**

30 Points 0.2500 EFTS

This course 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**MAOR431-20X1 (D)**

**MAOR431-20X2 (D)**

**MAOR431-20X (D) 24 Feb 2020 - 13 Sep 2020**

**MAOR431-20S2 (C) Semester 2**

**MAOR 480 Research Essay**

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. 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**MAOR480-20S1 (C) Semester 1**

**MAOR480-20S2 (C) Semester 2**

**MAOR 590 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.

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**MAOR590-20W (C) Whole Year (S1 and S2)**

**MAOR 591 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.

Domestic Fee: \$3,511 (2019)

International Fee: \$15,350 (2019)

**MAOR591-20W (C) Whole Year (S1 and S2)**

## Marketing

### MAOR 592 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.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

MAOR592-20S1 (C) Semester 1

### MAOR 593 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.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

MAOR593-20S2 (C) Semester 2

### MAOR 594 Rangahau - Minor Research Dissertation Part 1

30 Points 0.2500 EFTS

Not offered in 2020

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.

### MAOR 595 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.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

MAOR595-20A (C) Starts Anytime

### MAOR 679 Cross-Cultural Research

30 Points 0.2500 EFTS

This course involves a three-week tour to Indigenous communities and organisations across Australia and North America to research comparative approaches to Indigenous development and engage directly with an international network of Indigenous peoples. Student will be required to write a briefing paper, keep a reflective journal during the tour and, at the end of the course, report on the tools and approaches identified through the international tour that may have application in a New Zealand context and the adaptation that would be required for cultural and contextual fit.

P: Subject to approval of the Head of School.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

MAOR679-20X (C) 28 Sep 2020 - 07 Feb 2021

MAOR679-20X (D) 28 Sep 2020 - 07 Feb 2021

### MAOR 680 Research Essay

30 Points 0.2500 EFTS

A research essay on an agreed topic.

P: Subject to approval of the Head of School.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

MAOR680-20A (C) Starts Anytime

MAOR680-20A (D) Starts Anytime

### MAOR 681 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.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

MAOR681-20A (C) Starts Anytime

MAOR681-20A (D) Starts Anytime

### MAOR 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

MAOR690-20A (C) Starts Anytime

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

### MAOR 790 Māori PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

MAOR790-20A (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.

## Marketing

Department of Management, Marketing and Entrepreneurship

### MKTG 100 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: MGMT 102

EQ: MGMT 102

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

MKTG100-20S1 (C) Semester 1

MKTG100-20S2 (C) Semester 2

### MKTG 201 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: MGMT 210

RP: MKTG 202

EQ: MGMT 210

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

MKTG201-20S2 (C) Semester 2

### MKTG 202 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) MKTG 100; and (2) STAT 101; and (3) A further 30 points

R: MGMT 210

EQ: MGMT 212

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

MKTG202-20S1 (C) Semester 1

### MKTG 204 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) MKTG 100; and (2) A further 45 points

R: MGMT 204

EQ: MGMT 204

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

MKTG204-20S2 (C) Semester 2

**MKTG 205 Services Marketing and Management**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

**MKTG 230 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: MGMT 230

EQ: MGMT 230

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG230-20S1 (C) Semester 1****MKTG230-20S2 (C) Semester 2****MKTG 240 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: MKTG 100

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG240-20S1 (C) Semester 1****MKTG 241 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: MKTG 100

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG241-20S2 (C) Semester 2****MKTG 305 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

EQ: MKTG 301

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG305-20S2 (C) Semester 2****MKTG 307 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) MKTG 201; and (2) MKTG 202; and (3) MKTG 204

R: MGMT 318; MKTG 303

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG307-20S1 (C) Semester 1****MKTG 309 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: MGMT 316

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG309-20S1 (C) Semester 1****MKTG 310 Customer Experience**

15 Points 0.1250 EFTS

**Not offered in 2020**

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) MKTG 201; and (2) MKTG 202; and (3) MKTG 204

R: MGMT 310

EQ: MGMT 310

**MKTG 311 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) MKTG 201; and (2) MKTG 202; and (3) MKTG 204

R: MGMT 311

EQ: MGMT 311

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG311-20S1 (C) Semester 1****MKTG 314 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

R: MGMT 340

EQ: MGMT 340

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG314-20S1 (C) Semester 1****MKTG 315 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

R: MGMT 341

EQ: MGMT 341

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG315-20S2 (C) Semester 2****MKTG 316 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) MKTG 100, (2) A further 45 points at 200-level or above

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG316-20S2 (C) Semester 2**



## Marketing

### MKTG 317 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) MKTG 100; and (2) A further 45 points at 200-level or above.

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG317-20S2 (C) Semester 2**

### MKTG 340 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: MKTG 240

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG340-20S1 (C) Semester 1**

### MKTG 349 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 MKTG 202 and tourism in MKTG 240, 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: MKTG 240, MKTG 202

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG349-20S2 (C) Semester 2**

### MKTG 390 Marketing Internship

15 Points 0.1250 EFTS

An internship placement is an opportunity to experience a professional work environment. Internships 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 marketing. 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 marketing placements, priority is given to marketing majors.

P: (1) MKTG 201 and MKTG 202 (2) Subject to Head of Department Approval

R: ECON 390, FINC 390, ARTS 395, ACCT 324, INFO 390, PACE 395

Domestic Fee: \$822 (2019)

International Fee: \$3,688 (2019)

**MKTG390-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

## Tāura | Postgraduate

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

### MKTG 603 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: MGMT 423

EQ: MGMT 423

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MKTG603-20S1 (C) Semester 1**

### MKTG 605 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: MGMT 424

EQ: MGMT 424

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MKTG605-20S2 (C) Semester 2**

### MKTG 609 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: MGMT 421

EQ: MGMT 421

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MKTG609-20S1 (C) Semester 1**

### MKTG 611 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: MGMT 452

EQ: MGMT 452

Domestic Fee: \$982 (2019)

International Fee: \$3,938 (2019)

**MKTG611-20S2 (C) Semester 2**

### MKTG 620 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.

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**MKTG620-20S1 (C) Semester 1**

### MKTG 680 Marketing Dissertation

30 Points 0.2500 EFTS

A course where students complete a written dissertation based upon their research proposal developed in MKTG 620.

P: MKTG 620

Domestic Fee: \$1,963 (2019)

International Fee: \$7,875 (2019)

**MKTG680-20S2 (C) Semester 2**

### MKTG 694 MCom Thesis

90 Points 0.7500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$5,513 (2019)

International Fee: \$23,625 (2019)

**MKTG694-20A (C) Starts Anytime**

### MKTG 695 MCom Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**MKTG695-20A (C) Starts Anytime**

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

### MKTG 790 Marketing PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**MKTG790-20A (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.

# Mathematical 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

## MAPH 480 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

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

MAPH480-20A (C) Starts Anytime

## MAPH 790 Mathematical Physics PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

MAPH790-20A (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.

# Mathematics

School of Mathematics and Statistics

## MATH 101 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: MATH 199

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH101-20S1 (C) Semester 1

MATH101-20S2 (C) Semester 2

## MATH 102 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. MATH 101, 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: MATH 108, MATH 199, EMTH 118

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH102-20S1 (C) Semester 1

MATH102-20S2 (C) Semester 2

## MATH 103 Mathematics 1B

15 Points 0.1250 EFTS

A consolidation of concepts from MATH 102 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: MATH 102 or EMTH 118

R: MATH 109, MATH 199, EMTH 119

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH103-20S2 (C) Semester 2

## MATH 110 Foundations of Applied Mathematics and Statistics

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 statistics and probability.

R: EMTH 118, MATH 101, MATH 102, MATH 199, STAT 101

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH110-20S1 (C) Semester 1

MATH110-20S2 (C) Semester 2

## MATH 120 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. MATH 101 or MATH 102 or EMTH 118 or COSC 121 or STAT 101, 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: MATH 115

Domestic Fee: \$764 (2019)

International Fee: \$4,000 (2019)

MATH120-19SU2 (C) Summer (Nov 19)

MATH120-20S2 (C) Semester 2

## MATH 130 Introduction to Logic and Computability

15 Points 0.1250 EFTS

Not offered in 2020

An introduction to logic and computability.

R: MATH 134, PHIL 134, PHIL 138

## MATH 170 Mathematical Modelling and Computation

15 Points 0.1250 EFTS

Not offered in 2020

An introduction to mathematical modelling and simulation via case studies using standard computer packages. Structured programming for mathematical problem solving.

R: MATH 171, EMTH 171

RP: It is strongly recommended that students should have passed EMTH 118 or MATH 102 before taking EMTH 171/MATH 170. A prior or concurrent enrolment in EMTH 119 or MATH 103 is also recommended. If you are taking EMTH 171/MATH 170 concurrently with EMTH 118 or MATH 102, you are likely to experience difficulties and need to put in extra work.

## MATH 201 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: MATH 103 or MATH 199 or EMTH 119

R: MATH 261, MATH 264, EMTH 202, EMTH 204, EMTH 210

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH201-20S1 (C) Semester 1

## MATH 202 Differential Equations

15 Points 0.1250 EFTS

This course deals with analytical, numerical, and geometric techniques for differential equations, including applications.

P: MATH 103 or MATH 199 or EMTH 119

R: MATH 262, MATH 264, EMTH 202, EMTH 204

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH202-20S2 (C) Semester 2

## MATH 203 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: MATH 103 or EMTH 119 or MATH 199

R: MATH 252, MATH 254, EMTH 203, EMTH 204, EMTH 211, DATA 203

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH203-20S1 (C) Semester 1

## MATH 220 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: One of MATH 102, MATH 103, MATH 120, MATH 199, EMTH 118 or EMTH 119.

R: MATH 221, MATH 231

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH220-20S1 (C) Semester 1

## Mathematics

### MATH 230 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 MATH 102-199, and a further 15 points from 100 level COSC, EMTH, MATH, PHIL or STAT courses, excluding COSC 110 and MATH 101.

R: MATH 208, MATH 308, PHIL 208 (prior to 2014), PHIL 210, PHIL 308 (prior to 2014).

EQ: PHIL 210

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH230-20S2 (C) Semester 2**

### MATH 240 Analysis and Groups

15 Points 0.1250 EFTS

The course comprises two very different subjects, analysis and groups, both fundamental to mathematics and requiring mathematically rigorous thinking. It gives a deeper understanding of the real number system and limits, and an introduction to the methods of abstract algebra via the study of symmetries and permutations.

P: MATH 103, MATH 199 or EMTH 119.

R: MATH 222, MATH 243

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH240-20S2 (C) Semester 2**

### MATH 270 Mathematical Modelling and Computation 2

15 Points 0.1250 EFTS

Numerical methods and stochastics: solving nonlinear equations; solving systems of linear equations; interpolation; initial value and boundary value problems for ordinary differential equations; Monte Carlo simulation and applications. Programming and problem solving using MATLAB and the application of these ideas.

P: (MATH 170 or EMTH 171 or MATH 280 or COSC 121 or Head of School approval) and (EMTH 119 or MATH 103 or MATH 199)

R: EMTH 271, MATH 271

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH270-20S2 (C) Semester 2**

### MATH 280 Introduction to Scientific Computation

15 Points 0.1250 EFTS

**Not offered in 2020**

Introduction to the mathematical software package, MATLAB, that integrates technical computation, graphics, visualisation, and programming

P: MATH 103, MATH 199 or EMTH 119

R: MATH 281, MATH 282

### MATH 302 Partial Differential Equations

15 Points 0.1250 EFTS

An introduction to the methods of solution for partial differential equations and to their applications.

P: (MATH 201 and MATH 202) or EMTH 210

R: MATH 361, EMTH 391, EMTH 413

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH302-20S1 (C) Semester 1**

### MATH 303 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 MATH 203, EMTH 211, or DATA 203

R: MATH 352, EMTH 412

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH303-20S2 (C) Semester 2**

### MATH 320 Discrete Mathematics

15 Points 0.1250 EFTS

An introduction to various topics including combinatorial optimisation, enumeration, and set systems.

P: 30 points from MATH 201, MATH 202, MATH 203, MATH 220, MATH 240, EMTH 210, EMTH 211.

R: MATH 333, MATH 334

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH320-20S1 (C) Semester 1**

### MATH 321 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 MATH 203, MATH 220, MATH 240, or EMTH 211, and a further 15 points from MATH 201-294.

R: MATH 439, MATH 311

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH321-20S1 (C) Semester 1**

### MATH 324 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 MATH 203, MATH 220 or MATH 240, and a further 15 points from MATH 201-294.

R: MATH 391

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH324-20S2 (C) Semester 2**

### MATH 335 Computability Theory

15 Points 0.1250 EFTS

**Not offered in 2020**

Mathematical models of computation. Computability and non-computability. Abstract complexity theory.

P: 1) MATH 230 and (COSC 222 or COSC 261); or 2) 30 points in MATH or EMTH at 200 level, as approved by the Head of School; or 3) MATH 230 and, with the approval of the Head of School, an appropriate Philosophy course.

### MATH 336 Foundations of Mathematics

15 Points 0.1250 EFTS

**Not offered in 2020**

An introduction to the philosophy of mathematics, classical and intuitionistic logic, set theory, and Gödel's theorems.

P: 30 points in MATH or EMTH at 200 level, as approved by the Head of School.

R: MATH 208, MATH 308

### MATH 343 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: 30 points from MATH 201, MATH 202, MATH 203, MATH 240, MATH 270, EMTH 210, EMTH 211 or EMTH 271.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH343-20S1 (C) Semester 1**

### MATH 353 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: EMTH 414

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH353-20S1 (C) Semester 1**

### MATH 363 Dynamical Systems

15 Points 0.1250 EFTS

An introduction to nonlinear systems, the use of linearisation techniques and bifurcation theory.

P: MATH 201 or EMTH 210 and a further 15 points from (EMTH 211, EMTH 271, MATH 202, MATH 203, MATH 240, MATH 270).

R: EMTH 415

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH363-20S2 (C) Semester 2**

### MATH 365 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: MATH 201 or MATH 240; or, a high level of achievement in EMTH 210 with Head of School approval

R: MATH 342

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH365-20S2 (C)** Semester 2

### MATH 380 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: MATH 301, MATH 433, HAPS 405

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH380-20S2 (C)** Semester 2

### MATH 391 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.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH391-20S1 (C)** Semester 1

### MATH 392 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.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH392-20S2 (C)** Semester 2

### MATH 393 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH393-20S1 (C)** Semester 1

### MATH 394 Independent Course of Study

15 Points 0.1250 EFTS

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

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

**MATH394-20S2 (C)** Semester 2

### MATH 395 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: MATH 305

Domestic Fee: \$764 (2019)

International Fee: \$4,000 (2019)

**MATH395-19SU2 (C)** Summer (Nov 19)

## Tāura | Postgraduate

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

### MATH 401 Dynamical Systems

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH401-20S2 (C)** Semester 2

### MATH 403 Advanced Methods for Partial Differential Equations

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

### MATH 404 Industrial Case Studies

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH404-20X (C)** 16 Mar 2020 - 02 Aug 2020

### MATH 406 Mathematical Models in Biology

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH406-20S2 (C)** Semester 2

### MATH 407 Special Topic in Mathematics

15 Points 0.1250 EFTS

**Not offered in 2020**

Special Topic in Mathematics

P: Subject to approval of the Head of School

### MATH 408 Financial Mathematics

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

### MATH 409 Cryptography and Coding Theory

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

### MATH 410 Approximation Theory

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

### MATH 411 Topics in Algebra

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH411-20S2 (C)** Semester 2

### MATH 412 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: EMTH 604

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH412-20S2 (C)** Semester 2

### MATH 414 Computational Methods

15 Points 0.1250 EFTS

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

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH414-20S1 (C)** Semester 1

### MATH 415 Numerical Analysis

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH415-20S1 (C)** Semester 1

Mathematics

**MATH 416 Differential Systems**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH416-20S1 (C) Semester 1**

**MATH 417 Computational Fluid Mechanics**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 418 Measure and Integration**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 420 Hilbert Spaces**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 421 Functional Analysis**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 422 Symbolic Computation**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 424 Wavelet and Data Compression**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 425 Real and Complex Analysis**

15 Points 0.1250 EFTS

**Not offered in 2020**

Real and Complex Analysis

P: Subject to approval of the Head of School.

**MATH 426 Geometry**

15 Points 0.1250 EFTS

The course deals with advanced topics in geometry

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH426-20S1 (C) Semester 1**

**MATH 427 Lie Groups and Lie Algebras**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 428 Topology**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH428-20S1 (C) Semester 1**

**MATH 429 Combinatorics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH429-20S1 (C) Semester 1**

**MATH 430 History of Mathematics**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

R: HAPS 406

**MATH 431 Special Topic in Mathematics**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 432 Foundations of Mathematics**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 433 Mathematics in Perspective**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

R: MATH 380, HAPS 405

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH433-20S2 (C) Semester 2**

**MATH 435 Probability Theory**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**MATH 437 Group Theory**

15 Points 0.1250 EFTS

**Not offered in 2020**

Group Theory

P: Subject to approval of the Head of School.

**MATH 438 Special Topic in Mathematics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Special Topic in Mathematics

P: Subject to approval of the Head of School.

**MATH 439 Rings and Fields**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

R: MATH 321

**MATH 440 Graph Theory**

15 Points 0.1250 EFTS

This is a self-contained advanced-level graph theory course, which explores some of the most important results in the field.

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH440-20S2 (C) Semester 2**

**MATH 442 Special Topic in Mathematics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Special Topic in Mathematics

P: Subject to approval of the Head of School.

**MATH 443 Metric, Normed and Hilbert Spaces**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH443-20S1 (C) Semester 1**



**MATH 444 Special Topic in Mathematics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Special Topic in Mathematics

P: Subject to approval of the Head of School.

**MATH 449 Project**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,977 (2019)

International Fee: \$9,600 (2019)

**MATH449-20W (C)** Whole Year (S1 and S2)**MATH449-20CY (C)** Cross Year**MATH 475 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**MATH475-20S1 (C)** Semester 1**MATH475-20S2 (C)** Semester 2**MATH 491 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.

Domestic Fee: \$969 (2019)

International Fee: \$4,575 (2019)

**MATH491-19SU2 (C)** Summer (Nov 19)**MATH491-20A (C)** Starts Anytime**MATH 690 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**MATH690-20A (C)** Starts Anytime*Part-time enrolment (0.65 EFTS) is available on approval.***MATH 695 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**MATH695-20A (C)** Starts Anytime**MATH 790 Mathematics PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**MATH790-20A (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.*

## Mathematics and Philosophy

### School of Mathematics and Statistics

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

**MPHI 450 Project**

39 Points 0.3250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$2,570 (2019)

International Fee: \$12,480 (2019)

**MPHI450-20W (C)** Whole Year (S1 and S2)**MPHI 790 Mathematics and Philosophy PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**MPHI790-20A (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.*

## Mechanical Engineering

### Department of Mechanical Engineering

**ENME 199 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: ENME 201 or ENMT 201

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**ENME199-20A (C)** Starts Anytime**ENME199-20W (C)** Whole Year (S1 and S2)**ENME 201 Design Communication**

15 Points 0.1250 EFTS

Drawing, design and geometry of engineering components.

P: Subject to the approval of the Dean of Engineering and Forestry. PROD 110 Introduction to Product Design is accepted as an alternative to ENGR 101 Foundations of Engineering.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME201-20S1 (C)** Semester 1**ENME 202 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

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME202-20S1 (C)** Semester 1**ENME 203 Dynamics and Vibrations**

15 Points 0.1250 EFTS

Dynamics and kinematics of machine elements; derivations and fundamental analysis of equation of motion of single-degree-of-freedom systems; vibrations: free and forced vibrations (harmonic, periodic, quasi- and aperiodic), introduction to computational methods to solve differential equations (Euler, Newmark-Beta), multi-degree-of-freedom systems.

P: Subject to the approval of the Dean of Engineering and Forestry

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME203-20S2 (C)** Semester 2**ENME 207 Materials Science and Engineering**

15 Points 0.1250 EFTS

Fundamental relationships between structure, processing, physical properties and performance for metallic, ceramic, polymeric, composite and electronic materials.

P: Subject to the approval of the Dean of Engineering and Forestry

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME207-20S2 (C)** Semester 2**ENME 215 Engineering Thermodynamics**

15 Points 0.1250 EFTS

This course provides an introduction to 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: ENME 204, ENME 305

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME215-20S1 (C)** Semester 1

**ENME 221 Engineering Design and Manufacture**

15 Points 0.1250 EFTS

Manufacturing processes, metrology and conceptual design. Introduction to CAD.

P: Subject to the approval of the College of Engineering Dean (Academic). PROD 110 Introduction to Product Design is accepted as an alternative to ENGR 101 Foundations of Engineering.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME221-20S2 (C) Semester 2****ENME 299 Independent course of Study**

15 Points 0.1250 EFTS

Independent course of Study

P: Subject to the approval of the Head of Department

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME299-20S1 (C) Semester 1****ENME299-20S2 (C) Semester 2****ENME 301 Engineering Design and Production Quality**

15 Points 0.1250 EFTS

Design process, creative design, simple structures, shafts, bearings couplings and brakes; mechanical power transmission. Production quality, process design and production management.

P: ENME 201; ENME 202; ENME 221

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME301-20S1 (C) Semester 1****ENME 302 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: EMTH 210, EMTH 271 or EMTH 211, ENME 202

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME302-20S2 (C) Semester 2****ENME 303 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: EMTH 210; ENME 203

Domestic Fee: \$956 (2019)

International Fee: \$5,250 (2019)

**ENME303-19SU2 (C) Summer (Nov 19)****ENME303-20S1 (C) Semester One****ENME 307 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: ENME 207

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME307-20S1 (C) Semester 1****ENME 311 Engineering Design and Production Management**

15 Points 0.1250 EFTS

Engineering design reports, design for fatigue, fasteners, welded joints, cranes: use of engineering codes, pressure vessel design, hydraulic machinery.

P: ENME 301

R: ENME 351

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME311-20S2 (C) Semester 2****ENME 313 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

166 2020 Rārangī Akoranga

acquisition, Programmable Logic Control, power electronics and electric machines and control.

P: 60 points at 200-level in mechanical engineering

R: ENMT 201

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME313-20S2 (C) Semester 2****ENME 314 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: EMTH 210

R: ENME 304

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME314-20S1 (C) Semester 1****ENME 315 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: ENME 215 or ENME 204

R: ENME 305

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME315-20S2 (C) Semester 2****ENME 351 Biomedical Design & Production Management**

15 Points 0.1250 EFTS

Engineering design reports, design for fatigue, fasteners, welded joints, cranes: use of engineering codes, pressure vessel design, hydraulic machinery.

P: ENME 301

R: ENME 311

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME351-20S2 (C) Semester 2****ENME 396 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Director of Studies

R: ENME 303

Domestic Fee: \$956 (2019)

International Fee: \$5,250 (2019)

**ENME396-19SU2 (C) Summer (Nov 19)****ENGR 401 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: ENME 304 or ENME 314, or ENCH 393, or ENCN 342

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENGR401-20S1 (C) Semester 1****ENME 401 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: ENME 311 or ENMT 301

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME401-20S1 (C) Semester 1**

**ENME 402 Advanced Vibrations and Acoustics**

15 Points 0.1250 EFTS

Vibrations of discrete and continuous systems, fundamental and modern acoustics.

P: ENME 302

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME402-20S2 (C) Semester 2****ENME 403 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: ENME 303 or ENEL 321

R: ENEL 430

Domestic Fee: \$1,080 (2019)

International Fee: \$5,250 (2019)

**ENME403-19SU2 (C) Summer (Nov 19)****ENME403-20S1 (C) Semester 1****ENME 404 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: ENME 304 or ENME 314

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME404-20S2 (C) Semester 2****ENME 405 Energy Systems Engineering**

15 Points 0.1250 EFTS

Energy resources, conversion and management. Energy conservation in industrial, commercial and residential sectors. Advanced power cycles, energy analysis, thermal system modelling. Fuels and combustion, environmental aspects.

P: ENME 305 or ENME 315

R: ENGR 404

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME405-20S1 (C) Semester 1****ENME 406 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: ENME 302

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME406-20S2 (C) Semester 2****ENME 407 Advanced Materials Science and Engineering**

15 Points 0.1250 EFTS

Materials processing; phase transformations in metals and alloys; aluminium and ferrous alloys.

P: ENME 307

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME407-20S1 (C) Semester 1****ENME 408 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

C: ENME 418

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENME408-20W (C) Whole Year (S1 and S2)****ENME408-20S2 (C) Semester 2****ENME 409 Physiological Modelling**

15 Points 0.1250 EFTS

**Not offered in 2020**  
A project-orientated introduction to dynamic modelling in physiology and the life sciences. Major topics include the modelling of the fluid flow, mass exchange and feedback auto-regulation as they are utilised throughout the human body. There is a particular focus on the cardiovascular (heart), renal (kidney) and cerebral systems (brain), representing three of the main organ groups in the human body, and in particular on how fundamental engineering sciences and mathematics can be used to model their behaviour to provide better understanding, as well as to engineer new therapies and medical detection methods.**ENME 411 Advanced Mechanical System Design**

15 Points 0.1250 EFTS

**Not offered in 2020**  
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: ENME 401

**ENME 412 Advanced Vibrations**

15 Points 0.1250 EFTS

**Not offered in 2020**  
Advanced vibrations of discrete and continuous systems in mechanical and mechatronics engineering

P: ENME 302, ENME 203

**ENME 417 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: ENME 307

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME417-20S2 (C) Semester 2****ENME 418 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 several topics in engineering management and professional practice: project management, professional engineering competence and careers, environmental and societal dimensions, cultural and societal expectations, biculturalism and worldviews, health and safety, ethics, risk management, product liability, torts, managing people, team and conflict, structure of organisations, financial budget, cashflow, marketing, vision and strategy, intellectual property protection, among others. The focus throughout the course is on the 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: 60 points at 300-level in Mechanical Engineering

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME418-20S2 (C) Semester 2****ENME 423 Instrumentation and Sensors**

15 Points 0.1250 EFTS

**Not offered in 2020**  
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: ENME 313 or ENMT 301

**ENME 427 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) ENME 207 and (2) ENME 307, or equivalent or with instructor permission.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME427-20S2 (C) Semester 2****ENME 446 Independent Course of Study**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENME446-20S1 (C) Semester 1****ENME446-20S2 (C) Semester 2****ENME 451 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: ENME 301, ENME 302, ENME 303, ENME 307, ENME 311, ENME 313, ENME 314 and ENME 315

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME451-20S1 (C) Semester 1****ENME 480 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$1,080 (2019)

International Fee: \$5,250 (2019)

**ENME480-19SU2 (C) Summer (Nov 19)****ENME480-20S1 (C) Semester 1****ENME480-20W (C) Whole Year (S1 and S2)****ENME480-20S2 (C) Semester 2****ENME 481 Special Topic: Materials That Shape Civilization**

15 Points 0.1250 EFTS

The objective of this course is to provide the student with literacy and appreciation for the origins, make-up and behavior of materials upon which modern societies are based—and how we got to where we are today. For instance, how did humans find that metals were locked inside of rocks?; Why did the Iron Age replace the Bronze Age?; Is there a scientific basis to explain this change? Topics include: the historical origins of materials; major classes of metallic alloys, polymers and ceramics; materials properties; materials for the electronic age; nano-technology; limitations in terms of mechanical and corrosion behavior; societal issues; future materials; and, shortages and environmental problems.

P: Subject to approval by Head of Department

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME481-20S1 (C) Semester 1****ENME 483 Special Topic**

15 Points 0.1250 EFTS

Not offered in 2020

**ENME 484 Special Topic: Industry 4.0: Advanced Manufacturing**

15 Points 0.1250 EFTS

Understanding the drivers and enablers of Industry 4.0. Recognizing the opportunities and challenges, such as future of manufacturing, impacts of Industry 4.0. Understanding key technologies including AI and IIoT in Industry 4.0. Applying techniques in designing real applications in Industry 4.0.

P: ENME 301, ENME 311 or ENMT 301

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME484-20S1 (C) Semester 1****ENME 485 Special Topic: Propulsion**

15 Points 0.1250 EFTS

This advanced course is concerned with the engineering principles applied to gas turbine engines and aircraft propulsion. The knowledge gained will familiarise students with the major

constructional features of gas turbine engines and provide an understanding of the important functional relationship of the major engine components, and hence be able to appreciate the design and operation of different types of aircraft engines. The knowledge acquired will also provide the essential foundation for students to understand and assess the performance of aircraft engines, leading to the capability of diagnosing of operational conditions and monitoring of engine health. An introduction to rocket propulsion will also be included.

P: ENME 304 and ENME 305, or ENME 314 and ENME 315, or ENME 314 and ENME 215.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENME485-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**ENME 602 Advanced Vibrations and Acoustics**

15 Points 0.1250 EFTS

Vibrations of discrete and continuous systems, fundamental and modern acoustics.

P: Subject to approval of the Head of Department.

R: ENME 402

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME602-20S2 (C) Semester 2****ENME 603 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: ENME 403

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME603-20S1 (C) Semester 1****ENME 604 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: ENME 404

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME604-20S2 (C) Semester 2****ENME 605 Advanced Energy Systems Engineering**

15 Points 0.1250 EFTS

Energy resources, conversion and management. Energy conservation in industrial, commercial and residential sectors. Advanced power cycles, energy analysis, thermal system modelling. Fuels and combustion, environmental aspects.

P: Subject to approval of the Head of Department.

R: ENME 405, ENGR 404

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME605-20S1 (C) Semester 1****ENME 606 Advanced 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: Subject to approval of the Head of Department.

R: ENME 406

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENME606-20S2 (C) Semester 2**

### ENME 607 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: ENME 407

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENME607-20S1 (C) Semester 1

### ENME 609 Advanced Physiological Modelling

15 Points 0.1250 EFTS

Not offered in 2020

A project-orientated introduction to dynamic modelling in physiology and the life sciences.

Major topics include the modelling of the fluid flow, mass exchange and feedback auto-regulation as they are utilised throughout the human body. There is a particular focus on the cardiovascular (heart), renal (kidney) and cerebral systems (brain), representing three of the main organ groups in the human body, and in particular on how fundamental engineering sciences and mathematics can be used to model their behaviour to provide better understanding, as well as to engineer new therapies and medical detection methods.

P: Subject to approval of the Head of Department.

R: ENME 409

RP: Bachelors degree in Engineering or equivalent

### ENME 611 Advanced Mechanical System Design

15 Points 0.1250 EFTS

Not offered in 2020

This course introduces students to the product innovation process and involves a series of lectures on specialist topics in 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 two design assignments. The two assignments will involve engineering analysis in one or more of the specialist areas listed above. The results of this analysis will be used to evolve a design solution that solves a particular problem. Students will communicate their designs using: hand sketches; engineering drawings; calculations; and formal technical reports.

P: Subject to approval of the Head of Department.

R: ENME 411

RP: Bachelors degree in Engineering or equivalent

### ENME 617 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: Subject to approval of the Head of Department.

R: ENME 417

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENME617-20S2 (C) Semester 2

### ENME 618 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: ENME 418

RP: Bachelors degree in Engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENME618-20S2 (C) Semester 2

### ENME 623 Advanced Instrumentation and Sensors

15 Points 0.1250 EFTS

Not offered in 2020

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: ENME 423

RP: Bachelors degree in Engineering or equivalent

### ENME 624 Special Topic

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of Department.

### ENME 625 Special Topic

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of Department.

### ENME 675 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENME675-20A (C) Starts Anytime

ENME675-20S1 (C) Semester 1

ENME675-20S2 (C) Semester 2

### ENME 680 Project

60 Points 0.5000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$4,407 (2019)

International Fee: \$22,000 (2019)

ENME680-20A (C) Starts Anytime

ENME680-20W (C) Whole Year (S1 and S2)

### ENME 682 Special Topic in Mechanical Engineering - Project

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

ENME682-20S1 (C) Semester 1

ENME682-20W (C) Whole Year (S1 and S2)

ENME682-20S2 (C) Semester 2

### ENME 690 ME Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

ENME690-20A (C) Starts Anytime

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

### ENME 790 Mechanical Engineering PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

ENME790-20A (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.



# Mechatronics Engineering

Department of Mechanical Engineering

## ENMT 211 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.

R: ENMT 201

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENMT211-20S1 (C)** Semester 1

## ENMT 221 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.

R: ENMT 201

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENMT221-20S2 (C)** Semester 2

## ENMT 301 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: ENMT 201, or ENMT 211 and ENMT 221

Domestic Fee: \$1,950 (2019)

International Fee: \$11,000 (2019)

**ENMT301-20W (C)** Whole Year (S1 and S2)

Limited entry. See limitation of entry regulations.

## ENMT 401 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: ENMT 301, ENME 303, ENME 302, ENCE 361, ENEL 372

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

**ENMT401-20W (C)** Whole Year (S1 and S2)

**ENMT401-20S2 (C)** Semester 2

## ENMT 482 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 probabilistic 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: ENME 403

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENMT482-20S2 (C)** Semester 2

# Media and Communication

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

## COMS 101 Media and Society

15 Points 0.1250 EFTS

COMS 101 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. COMS 101 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS101-20S1 (C)** Semester 1

## COMS 102 Introduction to News and Journalism

15 Points 0.1250 EFTS

This course provides students with an understanding of the forces that shape the selection and presentation of news. It introduces significant theoretical approaches that seek to explain what is news and the criteria by which it is selected; it explores key aspects of the production of news and analyses specific areas of news (foreign, political, sport and crime) in more depth.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS102-20S2 (C)** Semester 2

**COMS102-20S2 (D)** Semester 2

## COMS 104 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS104-20S2 (C)** Semester 2

## COMS 201 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 will examine the relationship between audiences and media. We will 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 will look at a broad range of media forms (such as television, radio, film, the Internet, social networking, home theatre, cell phones and videogames), and content (including violence, music, reality television, soap operas, news, Facebook, Twitter, and blogs). "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. We will also be intertwining the theory of audiences with a 'live' research exercise which will guide you through the necessary steps to conducting your own research.

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: CULT 201

EQ: CULT 201

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS201-20S1 (C)** Semester 1

## COMS 204 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 increasingly strained relationship between advertising, consumerism, identity, the environment and citizenship. We'll take a critical approach to the most ubiquitous form of media messaging that exists: the advertisement.

P: Any 15 points at 100 level from COMS, or any 60 points at 100 level from the Schedule V of the BA.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS204-20S1 (C)** Semester 1

**COMS 205 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.

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: POLS 232

EQ: POLS 232

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS205-20S2 (C) Semester 2****COMS 207 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, convergence culture, privacy and new forms of public life. In the second half of the course students apply these ideas in small-group projects for a community organisation or company.

P: Any 15 points at 100 level from COMS or DIGI, or any 60 points at 100 level from the Schedule V of the BA.

R: COMS 222 (2008-2012), DIGI 207

EQ: DIGI 207

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS207-20S1 (C) Semester 1****COMS 225 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: Any 15 points at 100 level from COMS, or any 60 points at 100 level from any subject.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS225-20SU1 (C) Summer (Jan 20)****COMS 231 Digital Media Production**

15 Points 0.1250 EFTS

This practical course introduces students to foundational digital media skills and provides an overview of how to produce and package content for online and mobile platforms. Students will analyse current trends in media practice, create content across a range of media and media texts, and reflect on their own practice, including the ethical responsibilities of digital communication.

P: With permission of the Head of Department.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS231-20S2 (C) Semester 2****COMS 232 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.

P: 15 points at 100-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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS232-20S2 (C) Semester 2****COMS 233 Media Law for Journalists**

15 Points 0.1250 EFTS

By the end of this course students are expected to have a basic understanding of the range and impact of laws and regulations restricting the media and journalists in New Zealand, including their underpinning principles.

P: Limited Entry: Subject to admission to the Journalism Major and permission from the Head

of Department.

R: LAWS 396

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**COMS233-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

**COMS 304 Journalists at Work**

30 Points 0.2500 EFTS

**Not offered in 2020**

The practical work in this course involves producing a student-oriented magazine. Planning, researching and writing the magazine will be complemented by academic analysis of journalism as a practice and the role it plays in society and communities. Topics will include: journalists' conception of their role, journalism ethics, community media, accountability and investigative reporting, celebrity journalism, longer-form journalism and sports journalism.

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

**COMS 305 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.

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

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**COMS305-20S2 (C) Semester 2****COMS 306 Media and Conflict**

30 Points 0.2500 EFTS

The course sets out to provide a critical insight and analysis into the role of media in contemporary conflicts and wars through a series of in-depth case studies. It provides a comprehensive review of the key concepts and theories on the media's impact on, and role during political conflicts.

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: POLS 332

EQ: POLS 332

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**COMS306-20S2 (C) Semester 2****COMS 307 Broadcasting Aotearoa New Zealand: Online and On Air**

30 Points 0.2500 EFTS

**Not offered in 2020**

Broadcasting Aotearoa New Zealand explores the stories that are told about Aotearoa New Zealand on television and radio, and in web series, podcasts, and other digital spaces. The course explores the role broadcasting has played in shaping society and the ways in which society is reflected and produced in programming online and on air. COMS 307 asks what are the bicultural histories and futures of Aotearoa New Zealand, and how might new, inclusive stories be told on a variety of platforms? In COMS 307 you will develop a funding application for a television programme, web series, podcast, or interactive platform, and you will be able to relate your programme plan to the social, cultural, political, and economic histories and contexts of Aotearoa New Zealand.

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

R: COMS 206

**COMS 320 Strategic Campaign Development**

30 Points 0.2500 EFTS

This advanced course in strategic communication will start with a broad introduction of the process of strategic planning strategic communication. After that, 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.

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

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**COMS320-20S1 (C) Semester 1**

**COMS 330 Communication in Context**

30 Points 0.2500 EFTS

**Not offered in 2020**

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.

P: 30 points of COMS at 200-level.

**COMS 331 Researching and Reporting News**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course provides an introduction to the foundational skills and knowledge required for communicating news and information to various publics. Students will learn how to develop writing and multimedia skills to produce engaging digital content. They will also gain knowledge of their ethical responsibilities and learn to critically reflect on their own and others' media practice. The course combines analytical skills with practical experience, including fieldwork and internship opportunities, to help consolidate the links between theory and practice, and develop independence in professional work.

P: Limited Entry. (i) COMS 231, COMS 232, COMS 233. (ii) Permission from the Head of Department. Limited entry. See limitation of entry regulations.

**COMS 332 News Production**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course builds on the foundational skills and knowledge required for communicating news and information to various publics. Students will learn how to develop their reporting and multimedia skills to produce engaging digital content. They will also gain knowledge of their ethical responsibilities and learn to critically reflect on their own and others' media practice. The course combines analytical skills with practical experience, including fieldwork and internship opportunities, to help consolidate the links between theory and practice, and develop independence in professional work.

P: Limited Entry. (i) COMS 331. (ii) Permission from the Head of Department. Limited entry. See limitation of entry regulations.

**COMS 333 Podcasting Project**

30 Points 0.2500 EFTS

**Not offered in 2020**

The course will combine teaching on the development of podcasting as an extension of radio and a media form in its own right and modes of storytelling across media, theoretical exploration of audio storytelling, analysis of a wide range of podcast examples, technical training in audio recording and editing, and a student-project in which they will develop and produce a podcast of their own.

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.

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**COMS 401 Media Research**

30 Points 0.2500 EFTS

**Not offered in 2020**

In COMS 401 you will learn how to carry out research in Media and communication fields. This includes the major research methods used in media research for academic, public and commercial purposes. You will learn the purpose and role of different media research methods,

ethical practices, Kaupapa Māori practice, and how research relates to different communities. In class and in assessments we will approach media research as a collaborative process, engaging with a collectively agreed research topic.

P: Subject to approval of the Head of Department.

RP: Have qualified for a Bachelor's degree (with at least a B average in 300-level courses); or have qualified for a Bachelor's degree and provided evidence to the satisfaction of the Dean of Arts and Head of Department of relevant professional or other work experience

**COMS 407 Communicating Through Independent Media**

30 Points 0.2500 EFTS

**Not offered in 2020**

The course aims to equip students with an understanding of independent media within democracies. It provides students with the critical skills to analyse the economics of mainstream media and the impact of independent media on government policy, mainstream media, and social change.

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

RP: have qualified for a Bachelor's degree (with at least a B average in 300-level courses); or have qualified for a Bachelor's degree and provided evidence to the satisfaction of the Dean of Arts and Head of Department of relevant professional or other work experience

**COMS 408 Communication Ethics**

30 Points 0.2500 EFTS

This course introduces students to a range of ethical frameworks by which to study the responsibilities of media producers, the tenor of the relationships enabled by their textual practices, the quality of public spaces opened up in public communication and the social impact of mediated communication.

P: Subject to approval of the Head of Department.

R: COMS 422, PHIL 469

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**COMS408-20S1 (C) Semester 1****COMS 409 Independent Course of Study: From Proposal To Publication: A Media Research Project**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: COMS 401

**COMS 420 Special Topic: 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 considered to be 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 have used public diplomacy in recent years to improve their international image.

P: Subject to approval of the Programme Coordinator.

R: DIPL 430, POLS 430

EQ: DIPL 430, POLS 430

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**COMS420-20S2 (C) Semester 2****COMS 421 Strategic Communication Theory and Application**

30 Points 0.2500 EFTS

This course will talk about theories and research about different aspects in the process 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.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**COMS421-20S1 (C) Semester 1****COMS 425 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.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

COMS425-20S2 (C) Semester 2

### COMS 450 Media Research Methods

30 Points 0.2500 EFTS

Not offered in 2020

In COMS 450 you will learn how to carry out research in Media and communication fields. This includes the major research methods used in media research for academic, public and commercial purposes. You will learn the purpose and role of different media research methods, ethical practices, Kaupapa Māori practice, and how research relates to different communities. In class and in assessments we will approach media research as a collaborative process, engaging with a collectively agreed research topic.

P: Subject to approval of the Head of Department.

R: COMS 401

### COMS 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

COMS480-20S1 (C) Semester 1

COMS480-20S2 (C) Semester 2

### COMS 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

COMS690-20A (C) Starts Anytime

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

### COMS 692 Dissertation

60 Points 0.5000 EFTS

Not offered in 2020

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.

RP: have qualified for a Bachelor's degree (with at least a B average in 300-level courses); or have qualified for a Bachelor's degree and provided evidence to the satisfaction of the Dean of Arts and Head of Department of relevant professional or other work experience

### COMS 790 Media and Communication PhD

120 Points 1.0000 EFTS

P: Subject to approval by the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

COMS790-20A (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.

## 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

### MDPH 401 Anatomy and Physiology

15 Points 0.1250 EFTS

Human anatomy, physiology, pathophysiology, cell biology, cancer, physiological measurement, medical terminology.

P: ENME 311 or ENME 351, or subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH401-20S1 (C) Semester 1

### MDPH 402 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH402-20S2 (C) Semester 2

### MDPH 403 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: PHYS 403

EQ: PHYS 403

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH403-20S1 (C) Semester 1

### MDPH 404 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

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH404-20S1 (C) Semester 1

### MDPH 405 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH405-20S2 (C) Semester 2

### MDPH 406 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: PHYS 406

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH406-20S2 (C) Semester 2

### MDPH 407 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: PHYS 407

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH407-20W (C) Whole Year (S1 and S2)

MDPH407-20S1 (C) Semester 1

### MDPH 408 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH408-20S1 (C) Semester 1

### MDPH 409 Special Topic

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

MDPH409-20S2 (C) Semester 2

## Microbiology

### MDPH 410 Special Topic

15 Points 0.1250 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$1,054 (2019)  
International Fee: \$4,800 (2019)  
**MDPH410-20S2 (C) Semester 2**

### MDPH 480 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  
Domestic Fee: \$2,108 (2019)  
International Fee: \$9,600 (2019)  
**MDPH480-20A (C) Starts Anytime**

### MDPH 690 MSc Thesis for Medical Physics

120 Points 1.0000 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$7,948 (2019)  
International Fee: \$38,400 (2019)  
**MDPH690-20A (C) Starts Anytime**  
*Part-time enrolment (0.65 EFTS) is available on approval.*

### MPHC 690 MSc Thesis for Medical Physics (Clinical)

120 Points 1.0000 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$7,948 (2019)  
International Fee: \$38,400 (2019)  
**MPHC690-20A (C) Starts Anytime**  
*Part-time enrolment (0.65 EFTS) is available on approval.*

### MDPH 790 Medical Physics PhD

120 Points 1.0000 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$7,948 (2019)  
International Fee: \$38,400 (2019)  
**MDPH790-20A (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.*

### MPHC 790 Medical Physics (Clinical) PhD

120 Points 1.0000 EFTS  
P: Subject to approval of the Head of Department.  
Domestic Fee: \$7,948 (2019)  
International Fee: \$38,400 (2019)  
**MPHC790-20A (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.*

## Microbiology

*Te Kura Pūtaiao Kōiora | 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.*

### MBIO 480 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 BIOL 434-493  
P: Subject to approval of the Head of School.  
Domestic Fee: \$2,108 (2019)  
International Fee: \$9,600 (2019)  
**MBIO480-20W (C) Whole Year (S1 and S2)**

### MBIO 690 MSc Thesis

120 Points 1.0000 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$7,948 (2019)  
International Fee: \$38,400 (2019)  
**MBIO690-20A (C) Starts Anytime**  
*Part-time enrolment (0.65 EFTS) is available on approval.*

### MBIO 790 Microbiology PhD

120 Points 1.0000 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$7,948 (2019)  
International Fee: \$38,400 (2019)  
**MBIO790-20A (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.*

## Puoro | Music

*Te Kura Puoro | School of Music*

### MUSA 100 Essentials in Music Techniques

15 Points 0.1250 EFTS  
This course provides students with a fundamental understanding of harmonic, rhythmic and melodic notation, and develops aural skills with a basic competence in rhythmic and melodic dictation, sight-singing and sight-reading, and essential harmony.  
R: MUSI 107  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)  
**MUSA100-20S1 (C) Semester 1**

### MUSA 101 Musicianship, Harmony and Analysis 1

15 Points 0.1250 EFTS  
This course develops competence in rhythmic, melodic and simple harmonic procedures, fundamental music analysis techniques, sight-singing and sight-readings skills and simple harmonizations using keyboard or guitar.  
P: MUSA 100 or equivalent preparation approved by the Head of School  
R: MUSI 112, MUSI 171  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)  
**MUSA101-20S2 (C) Semester 2**

### MUSA 120 Song Writing 1

15 Points 0.1250 EFTS  
This course deals with the basics of song-writing including creative approaches to song writing, song notation skills, listening-based analytic techniques of songs from a wide repertoire.  
P: Subject to approval of the Head of the New Music programme, on submission of a portfolio.  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)  
**MUSA120-20S2 (C) Semester 2**

### MUSA 121 Instrumentation and Notation for Composers

15 Points 0.1250 EFTS  
Developing students' skills in creating and notating contemporary art music for live performance (vocal and instrumental), and building knowledge of compositional techniques and procedures.  
P: Subject to approval of the Head of the New Music programme, on submission of a portfolio.  
R: MUSI 127  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)  
**MUSA121-20S1 (C) Semester 1**

### MUSA 122 Notated Composition 1

15 Points 0.1250 EFTS  
This course aims to further develop students' skills in creating and notating contemporary art music for live performance (vocal and instrumental), knowledge of compositional techniques and procedures, and verbal articulation skills regarding compositional goals and methods.  
P: MUSA 121, and either MUSA 100, or equivalent preparation approved by the Head of School.  
R: MUSI 127  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)  
**MUSA122-20S2 (C) Semester 2**

### MUSA 125 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: MUSI 125, DIGI 125  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)  
**MUSA125-20S1 (C) Semester 1**



**MUSA 131 Song, Symphonies and Samples: Music in a Changing World**

15 Points 0.1250 EFTS

This course provides a topic-based approach to music history, focusing on issues including cultures of print, authenticity, technological change, the relationship of the past to the present, and the patronage and funding of music.

R: MUSI 131

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA131-20S1 (C) Semester 1****MUSA 141 Performance Major 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 MusB.

P: Subject to approval of the Head of School following an audition.

R: MUSI 141

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA141-20S1 (A) Semester 1****MUSA 142 Performance Major 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 MusB.

P: MUSA 141

R: MUSI 141

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA142-20S2 (A) Semester 2****MUSA 143 Performance (Non-Major) 1**

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: MUSI 140

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA143-20W (A) Whole Year (S1 and S2)****MUSA 150 Music in Aotearoa New Zealand**

15 Points 0.1250 EFTS

A broad-genre approach to the history of music in and of Aotearoa New Zealand, with particular emphasis on notions of identity in a bicultural society, musical identity, sound and place.

R: CULT 150

EQ: CULT 150

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA150-20S2 (C) Semester 2****MUSA 151 The Music Industry**

15 Points 0.1250 EFTS

This course is designed for musicians who seek to understand the current state of the music industry and learn principles of marketing for musicians. The course covers application processes and funding structures, basic business skills for musicians, and the issues associated with copyright and the internet-based dissemination of music.

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA151-20S2 (C) Semester 2****MUSA 152 Acoustics and Recording Techniques**

15 Points 0.1250 EFTS

This course provides an introduction to the principles and vocabulary of acoustics, an appreciation of how acoustic signals are converted to digital, familiarisation with the common vocabulary of Digital Audio Workstations (DAWs) and recording terminology, and understanding of the principles of microphone placement, and of how to work with a recording engineer.

R: MUSI 180

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA152-20S2 (C) Semester 2****MUSA 190 Chamber Choir 1**

15 Points 0.1250 EFTS

This course develops sophisticated choral singing skills, good rehearsal techniques and discipline, and diction in English and other languages. Public performances are a part of this course.

P: Subject to approval of the Head of School following an audition.

R: MUSI 192

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA190-20W (C) Whole Year (S1 and S2)****MUSA 193 Ensemble 1**

15 Points 0.1250 EFTS

MUSA193 aims to develop students' performance and rehearsal skills in one or more music ensembles ranging from large, such as orchestra (UC-CYO) or UC gamelan ensemble, to small ensembles such as three-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: MUSA 191, MUSA 192, MUSI 142, MUSI 143, MUSI 144, MUSI 145, MUSI 194, MUSI 198.

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA193-20W (C) Whole Year (S1 and S2)****MUSA 200 Musicianship, Harmony and Analysis 2**

15 Points 0.1250 EFTS

This course develops skill in rhythmic, melodic and harmonic procedures, further music analysis techniques, sight-singing and sight-reading skills, including inner parts and counter-rhythms and extended harmonizations using keyboard or guitar.

P: MUSA 101

R: MUSI 220

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA200-20S1 (C) Semester 1****MUSA 201 Harmony and Score-Reading**

15 Points 0.1250 EFTS

This course will enable students to develop aural and notation skills in complex rhythmic, melodic and harmonic processes and skills in music analysis techniques including the analysis of orchestral scores. Students will also learn to conduct from a four-part score and/or perform a simple keyboard reduction from an orchestral score.

P: MUSA 200

R: MUSI 271

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA201-20S2 (C) Semester 2****MUSA 220 Song Writing 2**

15 Points 0.1250 EFTS

Further development of song-writing skills: creative approaches, notation skills, text setting, poetry, word painting, covers and stylistic vocabulary.

P: MUSA 120

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA220-20S1 (C) Semester 1****MUSA 221 Notated Composition 2A**

15 Points 0.1250 EFTS

This course aims to further develop the skills of creating and notating contemporary art music for live performance.

P: MUSA 122, or MUSA 120 and MUSA 101, and permission of the Head of New Music required.

R: MUSI 227

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA221-20S1 (C) Semester 1****MUSA 222 Notated Composition 2B**

15 Points 0.1250 EFTS

This course builds on MUSA 221 to further develop the skills of creating and notating contemporary art music for live performance.

P: MUSA 221

R: MUSI 227

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA222-20S2 (C) Semester 2**

**MUSA 224 Orchestration and Arranging**

15 Points 0.1250 EFTS

This course will assist students to further develop skills in instrumentation and scoring for combinations of instruments, writing arrangements for small ensembles, using virtual instruments, and scoring for film.

P: MUSA 125, and either MUSA 120 or MUSA 122.

R: MUSI 224

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA224-20S1 (C) Semester 1****MUSA 226 The Creative Sound Studio**

15 Points 0.1250 EFTS

This course teaches students the techniques required to create musical works using the computer as a musical tool.

P: MUSA 125

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA226-20S2 (C) Semester 2****MUSA 231 The European Concert Tradition**

15 Points 0.1250 EFTS

This course fosters students' understanding of music in the Western classical tradition. Chamber music, orchestral music, opera, and early music will be examined through the lens of the public concert. Students will gain an appreciation of musical style, national identity, and the relationship between music, society, and culture.

P: MUSA 131, or 60 points at 100 level from the Schedule V of the MusB or Schedule V of the BA.

R: MUSA 331

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA231-20S1 (C) Semester 1****MUSA 232 Musics of the World**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores musical traditions from a range of geographical regions, and provides an introduction to key concepts for the study of ethnomusicology.

P: MUSA 131, or 60 points at 100 level from the Schedule V of the MusB or Schedule V of the BA.

R: MUSA 332

**MUSA 233 Popular Music in Context**

15 Points 0.1250 EFTS

An exploration of contemporary popular music styles from a range of genres, and their historical significance and wider contexts, including music for film and television, and the rise of music video.

P: MUSA 131, or 60 points at 100 level from the Schedule V of the MusB or Schedule V of the BA.

R: MUSA 333, CULT 233

EQ: CULT 233

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA233-20S2 (C) Semester 2****MUSA 234 Contemporary Music**

15 Points 0.1250 EFTS

**Not offered in 2020**

An exploration of various 20th and 21st century Western art music styles and techniques. The course includes score analysis and aural recognition, and covers technological developments, political and social upheavals and the effects of these on composers and their output.

P: MUSA 131, and either MUSA 100 or MUSA 101.

R: MUSA 334

**MUSA 236 Hip Hop Revolution**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines the emergence of Hip Hop music and traces its development to become today's most popular music genre. Students will explore Hip Hop's key elements of dance, graffiti, rap, and DJ-ing. The course will outline the various ways in which Hip Hop culture has influenced modern music, fashion, and politics.

P: Any 45 points at 100 level

**MUSA 241 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: MUSA 142 with a C grade or higher, or MUSA 143 with an A grade or higher, and at least 15 points from MUSA 100, MUSA 101, MUSA 120, MUSA 121, MUSA 125, and approval of the Head of School.

R: MUSI 241

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA241-20S1 (A) Semester 1****MUSA 242 Performance Major 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: MUSA 241

R: MUSI 241

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA242-20S2 (A) Semester 2****MUSA 243 Performance (Non-Major) 2**

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: MUSA 143

R: MUSI 240

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA243-20W (A) Whole Year (S1 and S2)****MUSA 244 The Art of Accompaniment**

15 Points 0.1250 EFTS

Further development of sight-reading and accompaniment skills on a keyboard instrument.

P: MUSA 144 and subject to approval of the Head of School.

R: MUSI 297

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA244-20S2 (C) Semester 2****MUSA 250 Music in our Community**

15 Points 0.1250 EFTS

This course aims to survey the musical practices of a music community, either geographical or virtual; participate as an observer in a practical community-based music-making project and document the event(s) with an analysis of its impact, appeal, outreach and niche.

P: Any 30 points at 100 level from MUSA.

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA250-20S2 (C) Semester 2****MUSA 251 Studio Pedagogy**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course studies educational principles and their application in an instrumental or vocal studio setting, and best practice models for establishing the physical and business aspects of private studio teaching.

P: MUSA 100 or MUSA 101

R: MUSI 297

**MUSA 252 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 rākau (weaponry - tī rākau, 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 rākau, Rūaumoko, 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

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA252-20S2 (C) Semester 2****MUSA 290 Chamber Choir 2**

15 Points 0.1250 EFTS

This course builds on MUSA 190, expanding development of sophisticated choral singing skills and good rehearsal techniques, and performing in public.

P: MUSA 190 and subject to approval of the Head of School.

Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)  
**MUSA290-20W (C)** Whole Year (S1 and S2)

**MUSA 293 Ensemble 2**

15 Points 0.1250 EFTS  
MUSA293 aims to further develop students' performance and rehearsal skills in one or more music ensembles ranging from large, such as orchestra (UC-CYO) or UC gamelan ensemble, to small ensembles such as three-piece contemporary bands or chamber groups.

P: MUSA 191, MUSA 192, or MUSA 193.  
R: MUSA 291, MUSA 292, MUSI 294.  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)

**MUSA293-20W (C)** Whole Year (S1 and S2)

**MUSA 320 Conducting**

30 Points 0.2500 EFTS  
Fundamental conducting techniques and experience in front of choir, ensemble and orchestra.

P: MUSA 201 or approval by Head of School  
R: MUSI 320  
EQ: MUSI 320

Domestic Fee: \$1,735 (2019)  
International Fee: \$8,000 (2019)

**MUSA320-20W (A)** Whole Year (S1 and S2)

**MUSA 321 Composition 3A**

30 Points 0.2500 EFTS  
Students develop a portfolio of compositions (notated and/or digital and/or performed live) together with supporting documentation.

P: MUSA 222 or MUSA 226, and subject to approval of the Head of School.  
R: MUSI 327

Domestic Fee: \$1,735 (2019)  
International Fee: \$8,000 (2019)

**MUSA321-20S1 (C)** Semester 1

**MUSA 322 Composition 3B**

30 Points 0.2500 EFTS  
Students develop a portfolio of compositions (notated and/or digital and/or performed live) together with supporting documentation.

P: MUSA 321  
R: MUSI 327

Domestic Fee: \$1,735 (2019)  
International Fee: \$8,000 (2019)

**MUSA322-20S2 (C)** Semester 2

**MUSA 331 The European Concert Tradition**

15 Points 0.1250 EFTS  
This course extends students' understanding of music in the Western classical tradition. Chamber music, orchestral music, opera, and early music will be examined through the lens of the public concert. Students will deepen their understanding of musical style, national identity, and the relationship between music, society, and culture.

P: One of MUSA 231-234.  
R: MUSA 231  
Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)

**MUSA331-20S1 (C)** Semester 1

**MUSA 332 Musics of the World**

15 Points 0.1250 EFTS  
**Not offered in 2020**  
This course examines music-making in a range of communities in diverse geographical regions, and provides develops concepts and skills in ethnomusicology.

P: One of MUSA 231-234.  
R: MUSA 232

**MUSA 333 Popular Music in Context**

15 Points 0.1250 EFTS  
An exploration of contemporary popular music styles from a range of genres, and their historical significance and wider contexts, including music for film and television, and the rise of music video.

P: Any 30 points at 200 level from CULT or MUSA, or any 60 points at 200 level from the Schedule V of the MusB or the Schedule V of the BA.  
R: MUSA 233, CULT 233

Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)

**MUSA333-20S2 (C)** Semester 2

**MUSA 334 Contemporary Music**

15 Points 0.1250 EFTS

**Not offered in 2020**

An exploration of various 20th and 21st century Western art music styles and techniques. The course includes score analysis and aural recognition, and covers technological developments, political and social upheavals and the effects of these on composers and their output.

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

R: MUSA 234

**MUSA 335 Philosophy of Music**

30 Points 0.2500 EFTS

A study of the central ideas in the philosophy of music in the western tradition from Plato to Hanslick.

P: Any 60 points at 200 level from the Schedule V of the MusB or Schedule V of the BA.  
R: MUSI 359

EQ: MUSI 359

Domestic Fee: \$1,735 (2019)  
International Fee: \$8,000 (2019)

**MUSA335-20S2 (C)** Semester 2

**MUSA 341 Performance Major 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: MUSA 242 with a C grade or higher, and at least 30 pts from MUSA 100, MUSA 101, MUSA 120, MUSA 121, MUSA 122, MUSA 125, MUSA 131, MUSA 200, MUSA 220, MUSA 221, MUSA 223, MUSA 226, MUSA 250

R: MUSI 341

Domestic Fee: \$1,735 (2019)  
International Fee: \$8,000 (2019)

**MUSA341-20S1 (A)** Semester 1

**MUSA 342 Performance Major 3B**

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: MUSA 341

R: MUSI 341

Domestic Fee: \$1,735 (2019)  
International Fee: \$8,000 (2019)

**MUSA342-20S1 (A)** Semester 1

**MUSA342-20S2 (A)** Semester 2

**MUSA 380 Undergraduate Research Essay**

15 Points 0.1250 EFTS

**Not offered in 2020**

An extended essay on a musicological subject.

P: 45 points of MUSA and the approval of the Head of School.

**MUSA 390 Chamber Choir 3**

15 Points 0.1250 EFTS

This course builds on MUSA 290 and develops highly sophisticated choral singing skills and performer discipline.

P: MUSA 290 and subject to approval of the Head of School.

R: MUSI 392

Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)

**MUSA390-20W (C)** Whole Year (S1 and S2)

**MUSA 393 Ensemble 3**

15 Points 0.1250 EFTS

MUSA 393 aims to provide significant performance and rehearsal experiences in one or more music ensemble(s) ranging from large, such as orchestra (UC-CYO) or UC gamelan ensemble, to small ensembles such as three-piece contemporary bands or chamber groups.

P: MUSA 291, MUSA 292, or MUSA 293.

R: MUSA 391, MUSA 392, MUSI 391, MUSI 398.

Domestic Fee: \$867 (2019)  
International Fee: \$4,000 (2019)

**MUSA393-20W (C)** Whole Year (S1 and S2)

**MUSA 396 Internship**

30 Points 0.2500 EFTS

A significant music internship associated with a community or industry-focused project.

P: Any 60 points at 200 level from the Schedule V of the MusB, special application and interview and the permission of the Head of School.

R: MUSA 395

Domestic Fee: \$1,735 (2019)

International Fee: \$8,000 (2019)

**MUSA396-20A (C) Starts Anytime****MUSA 397 Collaborative Group Project**

15 Points 0.1250 EFTS

A supervised creative project involving collaboration with one or more musicians, and/or with other arts practitioner(s). The student may be involved as a performer, composer, improviser, producer, or similar musical activity.

P: Any 45 points at 200 level from MUSA, and permission from the Head of School.

Domestic Fee: \$867 (2019)

International Fee: \$4,000 (2019)

**MUSA397-20S2 (C) Semester 2****PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime****PACE395-20S1 (C) Semester 1****PACE395-20S2 (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.

**Tāura | Postgraduate**

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

**MUSI 457 Studies in Music History**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

R: MUSI 412, MUSI 602

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**MUSI457-20W (C) Whole Year (S1 and S2)****MUSI 458 Studies in Music Analysis**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

R: MUSI 408, MUSI 604

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**MUSI458-20W (C) Whole Year (S1 and S2)****MUSI 459 Studies in the Aesthetics of Music**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

R: MUSI 407, MUSI 605

**MUSI 460 A Topic in Music Criticism**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

R: MUSI 413, MUSI 606

**MUSI 461 A Documentary Study of a Prescribed Topic**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

R: MUSI 414, MUSI 607

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**MUSI461-20W (C) Whole Year (S1 and S2)****MUSI 462 World Music - Advanced Studies**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

R: MUSI 402, MUSI 608

**MUSI 463 Comparative Studies in Music Education**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

R: MUSI 403, MUSI 609

**MUSI 464 Curriculum Studies in Music Education**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

R: MUSI 405, MUSI 610

**MUSI 466 Research Project**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**MUSI466-20W (C) Whole Year (S1 and S2)****MUSI 471 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: MUSI 409, MUSI 420

Domestic Fee: \$4,087 (2019)

International Fee: \$17,900 (2019)

**MUSI471-20W (C) Whole Year (S1 and S2)****MUSI 472 Electro-acoustic Music**

30 Points 0.2500 EFTS

**Not offered in 2020**

A portfolio of electro-acoustic / digital compositions.

P: MUSA 322 or MUSI 326, and approval of Head of School

**MUSI 473 Performance 4**

60 Points 0.5000 EFTS

Advanced study in, and mastery of, the performance of an instrument or voice.

P: MUSA 342 or MUSI 341 with a grade of B+ or higher, and approval of Head of School

R: MUSI 441

Domestic Fee: \$4,087 (2019)

International Fee: \$17,900 (2019)

**MUSI473-20W (A) Whole Year (S1 and S2)****MUSI 474 Ensemble Performance**

30 Points 0.2500 EFTS

Advanced study and participation in musical performance within an ensemble, either in live performance or in CD recordings.

P: MUSA 342 or MUSI 341 with a grade of B+ or higher, and approval of Head of School.

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**MUSI474-20W (A) Whole Year (S1 and S2)****MUSI 480 Research Essay (Extended)**

60 Points 0.5000 EFTS

An extended research essay in an area of Musicology, which may include music history, ethnomusicology, music education, and philosophy of music

P: Subject to approval of the Head of School.

R: MUSI 466

RP: Students should discuss their research topic with a potential supervisor prior to enrolling in the course.

Domestic Fee: \$4,087 (2019)  
International Fee: \$17,900 (2019)  
**MUSI480-20W (C)** Whole Year (S1 and S2)

**MUSI 481 Research Essay**  
30 Points 0.2500 EFTS  
Not offered in 2020  
P: Subject to approval of the Head of School.

**MUSI 690 MA Thesis**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$7,683 (2019)  
International Fee: \$35,800 (2019)  
**MUSI690-20A (C)** Starts Anytime  
Part-time enrolment (0.65 EFTS) is available on approval.

**MUSI 692 MMus Performance**  
120 Points 1.0000 EFTS  
Advanced performance on an instrument or voice. Either: two significant recitals (solo and/or ensemble) and programme notes. Or: one CD (45-50 mins) which may include existing compositions, originals and/or arrangements, together with supporting documentation.  
P: MUSI 473 or equivalent, and approval of Head of Music  
Domestic Fee: \$7,683 (2019)  
International Fee: \$35,800 (2019)  
**MUSI692-20A (C)** Starts Anytime

**MUSI 693 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: MUSI 471, or subject to approval of Head of School  
Domestic Fee: \$7,683 (2019)  
International Fee: \$35,800 (2019)  
**MUSI693-20A (C)** Starts Anytime

**MUSI 795 Music DMA**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Head of School.  
Domestic Fee: \$7,683 (2019)  
International Fee: \$35,800 (2019)  
**MUSI795-20A (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.

**MUSI 790 Music PhD**  
120 Points 1.0000 EFTS  
P: Subject to approval of the Programme Coordinator.  
Domestic Fee: \$7,683 (2019)  
International Fee: \$35,800 (2019)  
**MUSI790-20A (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.

## Natural Resources Engineering

Department of Civil and Natural Resources Engineering

**ENCN 201 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.  
Domestic Fee: \$0 (2019)  
International Fee: \$0 (2019)  
**ENCN201-20A (C)** Starts Anytime

**ENCN 213 Design Studio 1**  
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: ENCI 211  
Domestic Fee: \$975 (2019)  
International Fee: \$5,500 (2019)  
**ENCN213-20S2 (C)** Semester 2

**ENCN 221 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  
Domestic Fee: \$975 (2019)  
International Fee: \$5,500 (2019)  
**ENCN221-20S1 (C)** Semester 1

**ENCN 231 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: ENCI 230, ENCI 234  
Domestic Fee: \$975 (2019)  
International Fee: \$5,500 (2019)  
**ENCN231-20S1 (C)** Semester 1

**ENCN 242 Fluid Mechanics and Hydrology**  
15 Points 0.1250 EFTS  
Fluid Properties. Hydrostatics. Mass, energy and momentum fluxes. Applications to hydraulic systems. Water resources and global climates. Stream and groundwater flow.  
P: Subject to approval of the Dean of Engineering and Forestry  
R: ENCI 241  
Domestic Fee: \$975 (2019)  
International Fee: \$5,500 (2019)  
**ENCN242-20S2 (C)** Semester 2

**ENCN 253 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: ENCI 252, ENCI 271  
Domestic Fee: \$975 (2019)  
International Fee: \$5,500 (2019)  
**ENCN253-20S2 (C)** Semester 2

**ENCN 261 Transport and Surveying**  
15 Points 0.1250 EFTS  
Introduction to transportation engineering. Geometric design of roads. Surveying fundamentals. Surveying camp.  
P: Subject to approval of the Dean of Engineering and Forestry  
R: ENCI 262  
Domestic Fee: \$975 (2019)  
International Fee: \$5,500 (2019)  
**ENCN261-20S1 (C)** Semester 1

**ENCN 281 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; air pollution.  
P: Subject to approval of the Dean of Engineering and Forestry  
R: ENNR 203, ENCI 383  
Domestic Fee: \$975 (2019)  
International Fee: \$5,500 (2019)  
**ENCN281-20S2 (C)** Semester 2

**ENCN 301 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: ENCN 201  
Domestic Fee: \$0 (2019)  
International Fee: \$0 (2019)  
**ENCN301-20A (C)** Starts Anytime



**ENCN 304 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: EMTH 210

C: ENCN 305

R: ENCI 302

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN304-20S1 (C) Semester 1****ENCN 305 Programming, Statistics and Optimization**

15 Points 0.1250 EFTS

Computer programming. Descriptive statistics. Monte Carlo and Bootstrapping methods. Design of experiments. Linear regression and generalized linear modelling. Optimization and linear programming.

P: EMTH 210

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN305-20S1 (C) Semester 1****ENCN 342 Fluid Mechanics and Hydraulics**

15 Points 0.1250 EFTS

Open channel flow; pipe networks; Navier-Stokes equations; scale and dimensional analysis; inviscid flow; boundary layers; turbulent flow; lift and drag.

P: ENCN 242, EMTH 210

R: ENCI 341

EQ: ENCN 342

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN342-20S2 (C) Semester 2****ENCN 353 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: ENCN 253

R: ENCI 351

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN353-20S1 (C) Semester 1****ENCN 371 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.

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

R: ENCI 363, ENCI 403

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENCN371-20S2 (C) Semester 2****ENNR 320 Integrated Catchment Analysis**

15 Points 0.1250 EFTS

Integrated analysis of water, land, and ecology. GIS, spatial analysis, soils, hydro-meteorology, vegetation, catchment hydrology, catchment-level policy, systems analysis.

P: ENCN 242

R: ENNR 306

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENNR320-20S1 (C) Semester 1****ENNR 322 Ecological Engineering**

15 Points 0.1250 EFTS

Principles of ecological engineering, ecosystem biogeochemical dynamics, toxicology, stormwater and non-point source pollution control, sub-surface contaminant transport.

P: ENCN 242, ENCN 281

R: ENNR 305

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**ENNR322-20S2 (C) Semester 2****ENCN 401 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENNR 451

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN401-20S1 (C) Semester 1****ENCN 412 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENCI 412

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN412-20S1 (C) Semester 1****ENCN 415 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENCI 415

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN415-20S1 (C) Semester 1****ENCN 444 Water Infrastructure and Design**

15 Points 0.1250 EFTS

Hydraulic design and modelling of water infrastructure including channels, hydraulic structures, pipe networks, and wells.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 342, ENCN 304

R: ENCI 444, ENNR 404, ENNR 407

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN444-20S1 (C) Semester 1****ENCN 445 Environmental Fluid Mechanics**

15 Points 0.1250 EFTS

Description and modelling of turbulence. Near and far field mixing behaviour. Dispersion in rivers, jets, plumes. Outfall design. Introduction to wave theory, including wave dispersion and forces.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 342, ENCN 304

R: ENCI 445

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN445-20S1 (C) Semester 1****ENCN 452 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 353

R: ENCI 452

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN452-20S1 (C) Semester 1****ENCN 454 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 353

R: ENCI 620

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENCN454-20S1 (C) Semester 1****ENCN 470 Professional Engineering Development**

15 Points 0.1250 EFTS

**Not offered in 2020**

Professional issues in Civil and Natural Resources Engineering, Society and environment, ethics, communication skills, historical developments, future engineering issues, and system thinking.

P: ENCN 301 (in 2014 and beyond)

R: ENCI 403

### ENCN 481 Environmental Engineering Design

15 Points 0.1250 EFTS

Project-based design for treatment of contaminated media. Could include treatment of drinking water, wastewaters, landfill design, or remediation of contaminated soils. Laboratories, field trips.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281

R: ENCI 481, ENCI 482

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENCN481-20S1 (C) Semester 1

### ENCN 493 Project

30 Points 0.2500 EFTS

Engineering Research Project

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 301

R: ENCI 493, ENCI 494, ENCN 494

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

ENCN493-20W (C) Whole Year (S1 and S2)

ENCN493-20S2 (C) Semester 2

### ENCN 499 Special Topic: Hydraulics & Quality of Groundwater

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Director of Studies

### ENGR 403 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENGR403-20SU1 (C) Summer (Jan 20)

ENGR403-20S1 (C) Semester 1

### ENNR 405 Ecological and Bioresources Engineering

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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENNR 320, ENNR 322

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENNR405-20S1 (C) Semester 1

### ENNR 413 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: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 301, ENCN 371, ENCN 375

R: ENCI 313, ENNR 313

EQ: ENCI 413

Domestic Fee: \$2,204 (2019)

International Fee: \$11,000 (2019)

ENNR413-20S1 (C) Semester 1

ENNR413-20S2 (C) Semester 2

### ENNR 422 Water Resources and Irrigation Engineering

15 Points 0.1250 EFTS

Management science techniques in water resources. Water resource systems, dams and reservoirs, river engineering, restoration and modelling.

P: ENNR 320, ENCN 342 or Subject to approval of the Director of Studies

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENNR422-20S1 (C) Semester 1

### ENNR 423 Sustainable Energy Systems

15 Points 0.1250 EFTS

Energy systems analysis, modelling, and design. Solar, wind, hydro, biomass and geothermal resources. Demand management. Low-energy buildings. Global and local perspectives.

P: EMTH 210, ENCI 199, ENCN 201, ENCN 213, ENCN 221, ENCN 231, ENCN 242, ENCN 253, ENCN 261, ENCN 281, ENCN 375

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENNR423-20S1 (C) Semester 1

## Pacific Studies

Macmillan Brown Centre for Pacific Studies

### PACS 101 Peopling the Pacific

15 Points 0.1250 EFTS

Not offered in 2020

People, Migration and Culture in the Pacific

### PACS 102 Aotearoa: Introduction to Traditional Māori Society

15 Points 0.1250 EFTS

A comprehensive introduction to: the settlement of the Pacific, Polynesian navigation, star paths, renaissance of voyaging. Māori astronomy, new year stars. Creation myths, Skyfather, Earthmother, gods, origins of life and death. Demigods - Māui, Tāwhaki, Whaitiri. Oral traditions, first arrivals, canoe ancestors, explorers, romance, sexual imagery, war. Spiritual beliefs, mana, tapu, Makutu black magic witchcraft. Māori geography of New Zealand, greenstone trails, forest lore, pā and settlements, meeting houses, sacred rituals and protocols. Social structure, tribal organisation, leadership, marriage, sex, death. Fortifications, warfare, weapons, canoes, cannibalism. Wood, bone, greenstone carving, tattoo and moko. Performing arts, haka, contemporary themes. Ngāi Tahu traditions

R: MAOR 107

EQ: MAOR 107

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PACS102-20S1 (C) Semester 1

### PACS 202 The Pacific Islands: Early European and Polynesian Visions

15 Points 0.1250 EFTS

Not offered in 2020

This course looks at how European and Polynesian visions of 'the other' have intersected over the course of the last five centuries within the Pacific region

P: Any 15 points at 100 level from ANTH, HIST, or PACS, or any 60 points at 100 level from the Schedule V of the BA.

R: ANTH 215, ANTH 315, HIST 266, HIST 392, PACS 302

EQ: ANTH 215, HIST 266

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PACE395-20A (C) Starts Anytime

PACE395-20S1 (C) Semester 1

PACE395-20S2 (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.

### PACS 302 The Pacific Islands: Early European and Polynesian Visions

30 Points 0.2500 EFTS

Not offered in 2020

This course looks at how European and Polynesian visions of 'the other' have intersected over the course of the last five centuries within the Pacific region

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

R: ANTH 215, ANTH 315, HIST 266, HIST 392, PACS 202

EQ: ANTH 315, HIST 392

## Painting

### PACS 303 International Politics: New Zealand Foreign Policy

30 Points 0.2500 EFTS

This course analyses New Zealand's defence and foreign policy as it enters the century of the Pacific.

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: POLS 308

EQ: POLS 308

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

PACS303-20S1 (C) Semester 1

## Tāura | Postgraduate

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

### PACS 401 Pacific Studies

30 Points 0.2500 EFTS

Not offered in 2020

This interdisciplinary course introduces Pacific Studies and examines some of the key issues pertinent to it as an area of academic study - its development, epistemology, approaches and directions. The course also examines selected contemporary issues facing the Pacific Island states and societies.

P: Subject to approval of the Head of Department.

### PACS 417 Special Topic

30 Points 0.2500 EFTS

Not offered in 2020

P: Subject to approval of the Head of Department.

### PACS 419 Kaupapa Māori Research

30 Points 0.2500 EFTS

Not offered in 2020

The course examines Māori and indigenous research methodologies, approaches and theories. It is designed to facilitate students seeking to embark on post-graduate studies.

P: Subject to approval of the Head of Department.

R: MAOR 404

EQ: MAOR 404

### PACS 480 Research Essay

30 Points 0.2500 EFTS

Not offered in 2020

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.

### PACS 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

PACS690-20A (C) Starts Anytime

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

### PACS 790 Pacific Studies PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

PACS790-20A (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.

## Painting

Te Kura Kōwaiwai | Ilam School of Fine Arts

### PAIN 211 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: FINA 103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

PAIN211-20S1 (C) Semester 1

### PAIN 212 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: PAIN 211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

PAIN212-20S2 (C) Semester 2

### PAIN 311 Painting 3

90 Points 0.7500 EFTS

P: PAIN 212

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

PAIN311-20W (C) Whole Year (S1 and S2)

### PAIN 411 Painting 4

90 Points 0.7500 EFTS

P: PAIN 311

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

PAIN411-20W (C) Whole Year (S1 and S2)

## Tāura | Postgraduate

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

### PAIN 501 Painting

90 Points 0.7500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$5,762 (2019)

International Fee: \$26,850 (2019)

PAIN501-20W (C) Whole Year (S1 and S2)

### PAIN 550 Research Paper

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,921 (2019)

International Fee: \$8,950 (2019)

PAIN550-20W (C) Whole Year (S1 and S2)

### PAIN 601 Painting MFA

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$35,800 (2019)

PAIN601-20A (C) Starts Anytime

# Philosophy

Te Kura Kete Aronui | School of Humanities and Creative Arts

## PHIL 110 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: HAPS 110

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL110-20S1 (D) Semester 1

PHIL110-20S1 (C) Semester 1

## PHIL 111 Philosophy, Sex, and Thinking

15 Points 0.1250 EFTS

Not offered in 2020

Does being born female or male determine a person's capacity to think well? Are women less rational than men? Is it true that all the great philosophers of the past were male? This course introduces you to philosophical thought about the relationship between sex and reason.

## PHIL 132 God, Mind, and Freedom

15 Points 0.1250 EFTS

If God created the universe, who created God? Are the colours you see inside your head or outside? Could a computer be conscious? You cannot change the past - why do you think you can change the future? This course is a beginner's guide to Philosophy. Learn to question assumptions and think outside the box. There are no prerequisites for this course - all welcome.

R: PHIL 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL132-20S2 (C) Semester 2

## PHIL 133 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL133-20S2 (C) Semester 2

## PHIL 136 Ethics Today

15 Points 0.1250 EFTS

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

PHIL136-19SU2 (C) Summer (Nov 19)

## PHIL 137 Computers, Artificial Intelligence, and the Information Society

15 Points 0.1250 EFTS

Not offered in 2020

Our art, culture, politics, society, and economy are powered by computing machines. This course will provide an outline history of computing from the 1930s to the present day, and offers students an introduction to the foundations of computing and information processing, as well as to the corporations who sell us our devices and software, and to moral, philosophical and ethical issues fundamental to information, information-processing, and the information society. The course also examines Artificial Intelligence: what is AI and can it be achieved? How could you tell whether a computer has a mind? Is the human brain in fact a computer? In addition, some specifically Māori computing initiatives will be described and placed in their philosophical context.

R: POLS 137, DIGI 102

EQ: POLS 137, DIGI 102

## PHIL 138 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: PHIL 132 (prior to 2006), MATH 130, PHIL 134/MATH 134

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL138-20SU1 (C) Summer (Jan 20)

## PHIL 139 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL139-20S1 (D) Semester 1

PHIL139-20S1 (C) Semester 1

## PHIL 145 Political and Social Philosophy

15 Points 0.1250 EFTS

Not offered in 2020

This course is designed to give the student the basic tools with which to analyse both principles and ideologies in politics. Under the first of these, there will be a discussion of the principles of freedom, liberalism, rights, and democracy. Under the second, there will be an examination of ideologies such as socialism, anarchism, conservatism, and nationalism. While both principles and ideologies are necessary for the discussion of politics, only principles raise ethical considerations. The discussion of ideologies is not normally about ethics, but instead, is focussed upon a scientific or empirical analysis of politics.

R: POLS 106

## PHIL 203 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: PHIL 223, PHIL 303

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL203-20S1 (C) Semester 1

PHIL203-20S1 (D) Semester 1

## PHIL 208 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: PHIL 225, PHIL 246, PHIL 346, PHIL 308, MATH 208, MATH 308

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL208-20S1 (C) Semester 1

## PHIL 210 Logic, Automata, and Computability

15 Points 0.1250 EFTS

Not offered in 2020

An introduction to various formal logics, the theory of automata, and the theoretical limitations of the computer.

P: Any 15 points at 100 level from MATH or PHIL, or any 60 points at 100 level from the Schedule V of the BA.

R: MATH 230

## Philosophy

### PHIL 212 Reason, Desire and Happiness: Hellenistic Philosophy

15 Points 0.1250 EFTS

#### Not offered in 2020

In ancient Greece and Rome, philosophy was thought to be more than simply a discipline of academic interest. Many philosophers saw themselves as being like physicians. If physicians treat and heal the body, the role of the philosopher is to provide comparable therapy for the soul so that we can live well and flourish. This view was common to Aristotle, the Epicureans, the Sceptics and the Stoics. This course introduces you to this philosophical tradition and to the work of its proponents. Topics covered include the relationship between emotion and reason, the value of true beliefs, the nature of erotic love, the fear of death, the basis of anger and aggression, the value of self-control, and the legitimate tasks and methods of philosophy.

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: PHIL 312

### PHIL 224 Greek Philosophy

15 Points 0.1250 EFTS

#### Not offered in 2020

Historical and analytical introduction to the philosophy of Plato and Aristotle.

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: CLAS 224, CLAS 324, PHIL 314

EQ: CLAS 224

### PHIL 227 The Art Instinct

15 Points 0.1250 EFTS

#### Not offered in 2020

What is the nature of art and aesthetic experience? Is photography an art? What is creativity? What is artistic genius? Can cooking be an art? Is there a biological basis for the pleasures of art? This is a broad course to the Philosophy of Art, examining a range of philosophical problems aesthetics and value theory. Beyond philosophy students, the course is of interest to students with professional, historical, and a sociological interests in the arts, including music, painting and sculpture, literature, film and drama.

P: Any 15 points at 100 level from ARTH or PHIL, or any 60 points at 100 level from the Schedule V of the BA.

R: ARTT 203 and PHIL 322

### PHIL 229 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 from PHIL, or any 60 points at 100 level from the Schedule V of the BA.

R: RELS 210, PHIL 318

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL229-20S2 (C) Semester 2

### PHIL 233 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL233-20S2 (C) Semester 2

### PHIL 235 Cyberspace, Cyborgs, and the Meaning of Life

15 Points 0.1250 EFTS

This course investigates a raft of questions - concerning mind, metaphysics, knowledge and human nature - thrown up by the ongoing revolution in information technology. These include: Might I attain immortality by porting myself into cyberspace? Am I already in cyberspace? Is the universe nothing but a computer? Should we fear a forthcoming Age of Robots? Is my iPhone part of my mind? Could a computer ever be programmed to be creative and intelligent, and to equal or exceed the problem solving capacities of the human brain?

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

R: PHIL 335, DIGI 202, DIGI 302

EQ: DIGI 202

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL235-20S1 (C) Semester 1

PHIL235-20S1 (D) Semester 1

### PHIL 236 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: PHIL 321

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL236-20S2 (C) Semester 2

### PHIL 240 Bioethics: Life, Death, and Medicine

15 Points 0.1250 EFTS

Bioethics is the study of ethical problems in healthcare, medical research, and biotechnology. Bioethical problems arise every day, affecting non-human animals, people, and societies. This course covers a wide range of issues, including: research on human and non-human animals; reproductive technologies, such as surrogacy and genetic testing; 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: PHIL 324, POLS 225

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL240-20S1 (C) Semester 1

PHIL240-20S1 (D) Semester 1

### PHIL 241 Special Topic

15 Points 0.1250 EFTS

#### Not offered in 2020

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.

### PHIL 249 Environmental Ethics

15 Points 0.1250 EFTS

#### Not offered in 2020

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? PHIL 249 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.

### PHIL 250 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL250-20S2 (C) Semester 2

### PHIL 252 Cognitive Science

15 Points 0.1250 EFTS

#### Not offered in 2020

A philosophical introduction to Cognitive Science, including psychological, computational, and biological perspectives.



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: PHIL 238 (before 2016)

EQ: PHIL 238 (before 2016)

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PACE395-20A (C) Starts Anytime

PACE395-20S1 (C) Semester 1

PACE395-20S2 (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.

### PHIL 303 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: PHIL 203

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL303-20S1 (C) Semester 1

### PHIL 305 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: PHIL 315, PHIL 444

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PHIL305-20S2 (C) Semester 2

### PHIL 308 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: PHIL 225, PHIL 246, PHIL 346, PHIL 208, MATH 208, MATH 308

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

PHIL308-20S1 (C) Semester 1

### PHIL 310 History of Philosophy

30 Points 0.2500 EFTS

Not offered in 2020

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.

### PHIL 311 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: Any 30 points at 200 level from PHIL, or any 60 points at 200 level from the Schedule V of the BA.

R: PHIL 464, PHIL 497

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PHIL311-20S1 (C) Semester 1

### PHIL 312 Reason, Desire and Happiness: Hellenistic Philosophy

15 Points 0.1250 EFTS

Not offered in 2020

In ancient Greece and Rome, philosophy was thought to be more than simply a discipline of academic interest. Many philosophers saw themselves as being like physicians. If physicians treat and heal the body, the role of the philosopher is to provide comparable therapy for the soul so that we can live well and flourish. This view was common to Aristotle, the Epicureans, the Sceptics and the Stoics. This course introduces you to this philosophical tradition and to the work of its proponents. Topics covered include the relationship between emotion and reason, the value of true beliefs, the nature of erotic love, the fear of death, the basis of anger and aggression, the value of self-control, and the legitimate tasks and methods of philosophy.

P: Any 30 points at 200 level in PHIL, CLAS or HIST, or any 60 points at 200 level from the Schedule V of the BA.

R: PHIL 212

### PHIL 314 Greek Philosophy

30 Points 0.2500 EFTS

Not offered in 2020

This course will survey the origins of Western philosophy in the ancient world, from the Milesians to the Stoics. We will focus on the emergence of rationality and the development of philosophical themes first articulated by the Presocratics, then in turn, by Plato and Aristotle, and beyond. Emphasis will be placed on the structure of knowledge, the nature of reality, aesthetics, and the contemplation of the good life.

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

R: PHIL 224, CLAS 224, CLAS 324

EQ: CLAS 324

### PHIL 317 Contemporary Political Philosophy

30 Points 0.2500 EFTS

Not offered in 2020

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.

R: POLS 301, POLS 351

### PHIL 318 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.

R: RELS 210 and PHIL 229

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PHIL318-20S2 (C) Semester 2

**.PHIL 320 Special Topic**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Any 30 points at 200 level from PHIL, or any 60 points at 200 level from the Schedule V of the BA.  
R: HLTH 407

**PHIL 321 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: PHIL 236

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PHIL321-2052 (C) Semester 2****PHIL 324 Bioethics: Life, Death, and Medicine**

15 Points

0.1250 EFTS

Bioethics is the study of ethical problems in healthcare, medical research, and biotechnology. Bioethical problems arise every day, affecting non-human animals, people, and societies. This course covers a wide range of issues, including: research on human and non-human animals; reproductive technologies, such as surrogacy and genetic testing; 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: PHIL 240, POLS 225

RP: PHIL 139 or PHIL 236

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PHIL324-2051 (C) Semester 1****PHIL 328 Independent Course of Study**

15 Points

0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PHIL328-2051 (C) Semester 1****PHIL 335 Cyberspace, Cyborgs and the Meaning of Life**

15 Points

0.1250 EFTS

This course investigates a raft of questions - concerning mind, metaphysics, knowledge and human nature - thrown up by the ongoing revolution in information technology. These include: Might I attain immortality by porting myself into cyberspace? Am I already in cyberspace? Is the universe nothing but a computer? Should we fear a forthcoming Age of Robots? Is my iPhone part of my mind? Could a computer ever be programmed to be creative and intelligent, and to equal or exceed the problem solving capacities of the human brain?

P: Any 30 points at 200 level in PHIL, PSYC, DIGI, MATH or COSC, or any 60 points at 200 level from the Schedule V of the BA or the BSc.

R: PHIL 235, DIGI 202, DIGI 302

EQ: DIGI 302

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PHIL335-2051 (C) Semester 1****PHIL 343 Landmarks of Analytic Philosophy**

15 Points

0.1250 EFTS

**Not offered in 2020**

This course is about major new discoveries and developments that have occurred in analytic philosophy during recent decades - developments that have forever changed how philosophers will approach major questions in metaphysics, epistemology, the philosophy of mind, and the philosophy of language. Topics covered will vary from year to year depending on student interest, but will typically 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: Any 30 points at 200 level from PHIL, or any 60 points at 200 level from the Schedule B of the BA.  
R: PHIL 493

**Tāura | Postgraduate**

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

**PHIL 431 History of Philosophy**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: HAPS 407

**PHIL 433 Ancient Philosophy, Happiness and Desire**

15 Points

0.1250 EFTS

**Not offered in 2020**

In ancient Greece, philosophy was thought to be more than simply a discipline of academic interest. Many philosophers saw themselves as analogous to physicians. If physicians treat and heal the body, the role of the philosopher is to provide comparable therapy for the soul in order that we can flourish and live well. This view was common to Aristotle, the Epicureans, the Sceptics and the Stoics. This course is designed to introduce students to this philosophical tradition and to the work of its proponents. Topics covered include the relationship between emotion and reason, the value of true beliefs, the nature of erotic love, the fear of death, the basis of anger and aggression, the value of self-control, and the legitimate tasks and methods of the philosophical enterprise.

P: Subject to approval of the Head of Department.

**PHIL 434 Bioethics B**

15 Points

0.1250 EFTS

**Not offered in 2020**

This course will examine bioethics in theory and practice by looking at practical ethics problems facing health care workers and policy-makers. Topics will include consent and competence, privacy and confidentiality, ethics committees, research ethics, emergency situations, and public health and resource allocation.

P: Subject to approval of the Head of Department.

R: HLTH 407, HLTH 434

EQ: HLTH 434

**PHIL 439 Formal Logic**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**PHIL 445 Talking Art: Issues in Aesthetics**

30 Points

0.2500 EFTS

**Not offered in 2020**

This course covers a wide range of conceptual problems raised by art - from poetry to painting to cinema to music. It utilises perspectives from a range of disciplines.

P: Subject to approval of the Head of Department.

R: ARTH 422

EQ: ARTH 422

**PHIL 447 Political Philosophy**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: POLS 410

EQ: POLS 410

**PHIL 449 Philosophy of Language**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**PHIL 456 Philosophy of Science**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: HAPS 401

**PHIL 458 Philosophy of Mathematics**

15 Points

0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

R: HAPS 410

**PHIL 469 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**P: Subject to approval of the Head of Department.  
R: COMS 408**PHIL 474 Bioethics A**

15 Points 0.1250 EFTS

**Not offered in 2020**P: Subject to approval of the Head of Department.  
R: HLTH 407, HLTH 433  
EQ: HLTH 433**PHIL 475 Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**PHIL 479 Independent Course of Study**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**PHIL479-20S1 (C) Semester 1****PHIL 480 Research Essay**

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department.

R: PHIL 481; PHIL 485

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**PHIL480-20A (C) Starts Anytime****PHIL480-20W (C) Whole Year (S1 and S2)****PHIL 482 Research Essay A**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

R: PHIL 481; PHIL 485; PHIL 480

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**PHIL482-20S2 (C) Semester 2****PHIL 483 Research Essay B**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

R: PHIL 481; PHIL 485; PHIL 480

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**PHIL483-20S1 (C) Semester 1****PHIL 486 Political Theory: Democracy, Citizenship and Culture**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will analyse three topics in political philosophy: democracy, citizenship and culture which are useful in gaining a understanding of comparative political science or public policy.

P: Subject to approval of the Head of Department.

R: POLS 408

EQ: POLS 408

**PHIL 491 Independent Course of Study**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of Department.

**PHIL 493 Landmarks of Analytic Philosophy**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course is about major new discoveries and developments that have occurred in analytic philosophy during the recent decades - developments that have forever changed how philosophers will approach major questions in metaphysics, epistemology, the philosophy of mind, and the philosophy of language. Topics covered will vary from year to year depending on student interest, but will typically 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: PHIL 343

**PHIL 494 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: PHIL 305

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**PHIL494-20S2 (C) Semester 2****PHIL 495 Political Philosophy**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course addresses themes in political philosophy. We discuss diverse questions from both the history of political philosophy and from recent debates.

P: Subject to approval of the Head of Department.

**PHIL 496 Cognitive Science**

30 Points 0.2500 EFTS

This course addresses philosophical themes in cognitive science. Cognitive scientists are philosophers, psychologists, neuroscientists, and computer scientists along with researchers from other disciplines. Questions we discuss are drawn from across these diverse areas. The central focus of this course consists of the philosophical concerns and challenges presented by the discoveries and methods of investigation used in cognitive science.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**PHIL496-20T4 (C) 06 Jan 2020 - 27 Sep 2020****PHIL 497 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: PHIL 311

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**PHIL497-20S1 (C) Semester 1****PHIL 498 History of Philosophy**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: PHIL 310

**PHIL 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**PHIL690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.*

## Photography

### PHIL 695 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Coordinator for Philosophy.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

PHIL695-20A (C) Starts Anytime

### PHIL 790 Philosophy PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Coordinator for Philosophy.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

PHIL790-20A (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.

## Photography

Te Kura Kōwaiwai | Ilam School of Fine Arts

### PHOT 211 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: FINA 103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

PHOT211-20S1 (C) Semester 1

### PHOT 212 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: PHOT 211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

PHOT212-20S2 (C) Semester 2

### PHOT 311 Photography 3

90 Points 0.7500 EFTS

P: PHOT 212

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

PHOT311-20W (C) Whole Year (S1 and S2)

### PHOT 411 Photography 4

90 Points 0.7500 EFTS

P: PHOT 311

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

PHOT411-20W (C) Whole Year (S1 and S2)

### PHOT 601 Photography

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$35,800 (2019)

PHOT601-20A (C) Starts Anytime

## Physical Education

Te Kura Mātai Hauora | School of Health Sciences

### TEPE 305 Social Context of Physical Education

15 Points 0.1250 EFTS

Not offered in 2020

Understand how to create equitable, ethical and socially-just learning environments through pedagogical practices, and critically examine the relationships between physical education, physical activity, sport, culture and education. Explore the dominant hegemonic practices in physical education programmes.

P: TEPE 201

### TEPP 341 Professional Practice 3

15 Points 0.1250 EFTS

Not offered in 2020

Experience intensive school based teaching practice and apply socio-cultural learning theory and pedagogies while also integrating the skills and knowledge gained through the other courses.

P: TEPP 241

C: TEPS 341, TEPE 301

### TEPP 342 Professional Practice 4

15 Points 0.1250 EFTS

Not offered in 2020

Observe, plan, teach and assess whole lessons in the senior secondary school. As the placement progresses you take a greater role in planning and teaching a sequence of lessons, ultimately building towards teaching a unit of work with at least one class. You will take an increased responsibility for managing the learning environment including preventative management of students and continue to develop your ability to implement socio-cultural learning theory and pedagogies.

P: TEPP 341

C: TEPS 342

### TEPP 343 Professional Practice 5

15 Points 0.1250 EFTS

Not offered in 2020

Take responsibility for all aspects of planning, teaching and assessing a unit of work at different class levels and catering for diverse learners. Utilise a range of socio-cultural/critical pedagogies and demonstrate increased responsibility for class management including corrective management of students.

P: TEPP 342 and TEPS 342

C: TEPS 441

R: EDTP 331

### TEPS 341 Professional Studies 3

15 Points 0.1250 EFTS

Not offered in 2020

Explore humanist and relational approaches to managing student behaviour, and understand the application of socio-cultural learning theory and pedagogy to facilitate learning.

P: TEPS 241

### TEPS 342 Professional Studies 4

15 Points 0.1250 EFTS

Not offered in 2020

Understand teaching as a profession, by examining senior school curriculum guidelines, content requirements, assessment for learning principles, NCEA assessment procedures, and appropriate teaching and learning methodologies. For the secondary school environment, examine the philosophies and learning theories associated with socio-cultural pedagogies for teaching and learning.

P: TEPS 341

C: TEPP 341, TEPP 342

### TEPE 404 Physical Education Futures

15 Points 0.1250 EFTS

Not offered in 2020

Gain a comprehensive understanding of trends and dilemmas currently influencing physical education. Explore future directions of knowledge and learning and using qualitative research actively engage and critically reflect upon learning for students in diverse physical education settings.

P: TEPE 305

## Tāura | Postgraduate

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

### PHOT 501 Photography

90 Points 0.7500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$5,762 (2019)

International Fee: \$26,850 (2019)

PHOT501-20W (C) Whole Year (S1 and S2)

### PHOT 550 Photography

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,921 (2019)

International Fee: \$8,950 (2019)

PHOT550-20W (C) Whole Year (S1 and S2)

188 2020 Rārangī Akoranga

**TEPE 409 Exercise for Health and Performance**

15 Points 0.1250 EFTS

**Not offered in 2020**

A cross-disciplinary sport science focus of the role exercise and nutrition has in the spectrum from health to enhanced sport performance. Emphasis is placed upon contemporary sport science developments examined through meta-analysis and critiquing of journal articles. Students also have the opportunity to collect data in an area of interest, which may include exercise prescription for making people faster, stronger, more efficient and less susceptible to injury and illness.

P: TEPE 309  
R: TEPE 302

**TEPE 499 Honours Project**

30 Points 0.2500 EFTS

**Not offered in 2020**

Plan and implement your own original physical education related study - working closely with an assigned tutor. (Enrolment into this Honours course is by invitation.)

P: Subject to approval of the Head of School

**TEPS 441 Professional Studies 5**

15 Points 0.1250 EFTS

**Not offered in 2020**

Gain a greater understanding of the teaching profession by understanding implications for beginning teachers, and investigate literature and research on contemporary and future directions of education including inclusive and culturally responsive pedagogies. Examine the philosophies and learning theories associated with socio-critical pedagogies.

P: TEPS 342  
C: TEPP 342

## Physics

*Te Kura Matū | School of Physical and Chemical Sciences***PHYS 101 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. PHYS 101 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) PHYS 111 or NCEA 14 credits (18 credits strongly recommended) at level 3 Physics, and b) MATH 101 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: PHYS 113, PHYS 112

EQ: PHYS 113

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS101-20S1 (C) Semester 1**

**PHYS101-20S2 (C) Semester 2**

**PHYS 102 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: PHYS 101. These prerequisites may be replaced by other background as approved by Head of Department

R: PHYS 114, PHYS 115

EQ: PHYS 114

Domestic Fee: \$883 (2019)

International Fee: \$4,000 (2019)

**PHYS102-19SU2 (C) Summer (Nov 19)**

**PHYS102-20S2 (C) Semester 2**

**PHYS 109 The Cosmos: Birth and Evolution**

15 Points 0.1250 EFTS

**Not offered in 2020**

ASTR109 / PHYS 109 will take you on a grand tour of the universe! We will survey a range of topics in Astronomy, Astrophysics and Cosmology beginning with the denizens of our solar system and expanding outward to visit exotic stars and distant galaxies. During the journey we will learn about how the universe works and will highlight the key discoveries that have led us to this understanding.

R: (1) ASTR 109. (2) Students who have been credited with ASTR 112 cannot subsequently be credited with PHYS 109.

EQ: ASTR 109

**PHYS 111 Introductory Physics for Physical Sciences and Engineering**

15 Points 0.1250 EFTS

Classical dynamics, oscillations, temperature and heat, D.C. circuits, geometrical optics and interference, nuclear physics.

R: Students who have been credited with any of PHYS 101, PHYS 102, PHYS 113 or PHYS 114 cannot subsequently be credited with PHYS 111.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS111-20S1 (C) Semester 1**

**PHYS111-20S2 (C) Semester 2**

**PHYS 203 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) PHYS 102 or (PHYS 101 and CHEM 211); (2) MATH 102 or EMTH 118. 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: PHYS 222

RP: MATH 103 or EMTH 119.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS203-20S2 (C) Semester 2**

**PHYS 205 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 provide 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. This course also contains an introduction to scientific programming and numerical methods using Matlab.

P: (1) PHYS 101; (2) MATH 102 or EMTH 118. 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: PHYS 201, PHYS 202

RP: (1) PHYS 102; (2) MATH 103 or EMTH 119; (3) EMTH 171 or COSC 121.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS205-20S1 (C) Semester 1**

**PHYS 206 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) PHYS 102 or (PHYS 101 + CHEM 211); (2) MATH 102. 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: PHYS 202, PHYS 314

RP: MATH 103 or EMTH 119.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS206-20S2 (C) Semester 2**

**PHYS 208 Special Topic**

15 Points 0.1250 EFTS

P: Admission only by permission of the Head of Department

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS208-20S1 (C) Semester 1**

**PHYS 209 Special Topic**

15 Points 0.1250 EFTS

P: Admission only by permission of the Head of Department

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS209-20S2 (C) Semester 2**



**PHYS 285 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) PHYS 101; (2) MATH 102 or EMTH 118 (3) MATH 170 or EMTH 171 or COSC 121 or MATH 280 or MATH 282 or another approved course involving 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: PHYS 281, PHYS 282

RP: MATH 103 or EMTH 119

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS285-20S1 (C) Semester 1****PHYS 310 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) PHYS 203; (2) MATH 103 or EMTH 119 or MATH 201.

R: PHYS 204, PHYS 440

RP: MATH 201

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS310-20S1 (C) Semester 1****PHYS 311 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) PHYS 203 or (PHYS 206 and CHEM 251); (2) MATH 103 or EMTH 119 or MATH 201.

RP: MATH 201 and MATH 203

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS311-20S1 (C) Semester 1****PHYS 313 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) PHYS 206; (2) PHYS 203 or CHEM 211; (3) MATH 103 or EMTH 119 or MATH 201.

R: PHYS 312, PHYS 314, PHYS 443

RP: MATH 201

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS313-20S2 (C) Semester 2****PHYS 319 Atmospheric, Oceanic and Climate Dynamics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Principles of the dynamics of a rotating fluid applied to large-scale motion of the Earth's atmosphere, oceans and climate will be detailed. The first portion of the course will focus on atmospheric thermodynamics and large-scale dynamics in the atmosphere. Details of the global energy balance driving the observed general circulation of the atmosphere and the impacts of variations in atmospheric composition (changes in greenhouse gases) and solar irradiance on this energy balance and climate change will be discussed. The latter section of this course will examine ocean dynamics and their linkages to atmospheric circulations, the El Niño Southern oscillation will be used as an example of atmosphere-ocean linkages in this discussion.

P: (1) PHYS 201 or PHYS 205; (2) PHYS 202 or PHYS 203 or PHYS 206 (3) MATH 103 or EMTH 119 or MATH 201.

R: PHYS 316, PHYS 418, PHYS 419

RP: MATH 202

**PHYS 323 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) PHYS 203; (2) PHYS 206; (3) MATH 103 or MATH 109 or EMTH 119 or MATH 201.

R: PHYS 413

RP: PHYS 205, MATH 201

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS323-20S1 (C) Semester 1***Offered in odd-numbered years.***PHYS 326 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 relativity, particle physics and statistical mechanics.

P: (1) PHYS 202 or PHYS 205; (2) PHYS 203; (3) MATH 201

RP: MATH 202 and MATH 203

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS326-20S1 (C) Semester 1****PHYS 327 Special Topic**

15 Points 0.1250 EFTS

P: (1) Subject to approval of the Head of Department; (2) MATH 103 or MATH 109 or equivalent.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS327-20S1 (C) Semester 1****PHYS 328 Special Topic**

15 Points 0.1250 EFTS

P: (1) Subject to approval of the Head of Department.; (2) MATH 103 or MATH 109 or equivalent.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS328-20S2 (C) Semester 2****PHYS 329 Special Topic: Physics in Industry Project**

15 Points 0.1250 EFTS

P: (1) Subject to approval of the Head of Department; (2) MATH 103 or MATH 109 or equivalent.

C: The Head of Department approved programme of study for the year must include PHYS 381 or ASTR 381.

R: ENME 408, ENEL 400, ENMT 401

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS329-20W (C) Whole Year (S1 and S2)****PHYS 330 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: (COSC 121 or EMTH 171 or BIOL 209) AND (PHYS 285 or ENVR 201 or GEOG 201)

R: PHYS 430

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS330-20S2 (C) Semester 2****PHYS 381 Advanced Experimental Physics and Astronomy**

15 Points 0.1250 EFTS

Execution and write-up of selected laboratory experiments.

P: (1) PHYS 285; (2) 30 points from PHYS 201-206 including either PHYS 202 or PHYS 205; (3) MATH 103 or EMTH 119 or MATH 201.

R: ASTR 381

RP: MATH 201

EQ: ASTR 381

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**PHYS381-20S2 (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.***PHYS 391 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) MATH 103 or MATH 109 or equivalent (2) 44 points from PHYS 200 (3) Entry subject to a supervisor approved by the Head of Department, being available

Domestic Fee: \$883 (2019)

International Fee: \$4,000 (2019)

**PHYS391-19SU2 (C) Summer (Nov 19)****PHYS391-20S1 (C) Semester 1****PHYS391-20S2 (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.*

**PHYS 430 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: (COSC 121 or EMTH 171 or BIOL 209) AND PHYS 319

R: PHYS 330

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS430-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**PHYS 407 Research Tools**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS407-20S1 (C) Semester 1****PHYS407-20W (C) Whole Year (S1 and S2)****PHYS 411 Advanced Quantum Mechanics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS411-20S1 (C) Semester 1****PHYS 412 Advanced Condensed Matter Physics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS412-20S1 (C) Semester 1****PHYS 413 Laser Physics and Modern Optics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

R: PHYS 323

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS413-20S1 (C) Semester 1****PHYS 415 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.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS415-20S2 (C) Semester 2****PHYS 416 Quantum Field Theory**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS416-20W (C) Whole Year (S1 and S2)****PHYS 419 Atmospheric, Oceanic and Climate Dynamics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Principles of the dynamics of a rotating fluid applied to large-scale motion of the Earth's atmosphere, oceans and climate will be detailed. The first portion of the course will focus on atmospheric thermodynamics and large-scale dynamics in the atmosphere. Details of the global energy balance driving the observed general circulation of the atmosphere and the impacts of variations in atmospheric composition (changes in greenhouse gases) and solar irradiance on this energy balance will be discussed. The latter section of this course will examine ocean dynamics and their linkages to atmospheric circulations, the El Niño Southern oscillation will be used as an example of atmosphere-ocean linkages in this discussion.

P: (1) PHYS 201 or PHYS 202 or PHYS 203; (2) MATH 103 or MATH 109 or EMTH 119 or MATH 201.

R: PHYS 316, PHYS 418, PHYS 446, PHYS 319

RP: MATH 202

**PHYS 420 Special Topic**

20 Points 0.1670 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,408 (2019)

International Fee: \$6,413 (2019)

**PHYS420-20S1 (C) Semester 1****PHYS 421 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS421-20S1 (C) Semester 1****PHYS 423 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS423-20S1 (C) Semester 1****PHYS 427 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS427-20S2 (C) Semester 2****PHYS 440 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) PHYS 203; (2) MATH 201.

R: PHYS 204, PHYS 310

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS440-20S1 (C) Semester 1****PHYS 441 Quantum Mechanics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS441-20S1 (C) Semester 1****PHYS 443 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) PHYS 203; (2) PHYS 206; (3) MATH 103 or MATH 109 or EMTH 119 or MATH 201.

R: PHYS 312, PHYS 313, PHYS 314, PHYS 442, PHYS 444

RP: PHYS 205, MATH 201

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PHYS443-20S2 (C) Semester 2**

## Plant Biology

### PHYS 456 Classical Mechanics

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

PHYS456-20S1 (C) Semester 1

### PHYS 480 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

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

PHYS480-20A (C) Starts Anytime

PHYS480-20S1 (C) Semester 1

### PHYS 493 Research Project

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,033 (2019)

International Fee: \$4,575 (2019)

PHYS493-19SU2 (C) Summer (Nov 19)

PHYS493-20S1 (C) Semester 1

PHYS493-20S2 (C) Semester 2

### PHYS 495 Introduction to Physics Education Research

15 Points 0.1250 EFTS

This course develops knowledge of research into teaching and learning as applied particularly to first-year level Physics. It reviews modern literature on Physics Education research. Students will combine knowledge gained in this course with their own experience in running tutorials and laboratories to develop plans for improved learning in those areas.

P: Subject to permission of Head of Department.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

PHYS495-20S1 (C) Semester 1

Cannot be credited to a postgraduate degree.

### PHYS 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

PHYS690-20A (C) Starts Anytime

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

### PHYS 790 Physics PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

PHYS790-20A (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.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

PBIO690-20A (C) Starts Anytime

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

### PBIO 790 Plant Biology PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

PBIO790-20A (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.

## Mātai Tōrangapū, Hononga Tāwāhi | Political Science and International Relations

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

### POLS 102 Politics: An Introduction

15 Points 0.1250 EFTS

This course introduces the basic tools and techniques used in political science, including essay writing, methods of analysis, and formulation of hypotheses. It also introduces students to a selection of key theories and frameworks. It covers topics such as democracy, authoritarianism, people's power, civil society, conflict, globalisation, and the future of our world. 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.

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

POLS102-19SU2 (D) Summer (Nov 19)

POLS102-20S1 (C) Semester 1

POLS102-20S1 (D) Semester 1

### POLS 103 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

POLS103-20S1 (C) Semester 1

### POLS 104 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

POLS104-20S1 (C) Semester 1

### POLS 105 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

POLS105-20S2 (C) Semester 2

### POLS 106 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.

## Plant Biology

Te Kura Pūtaiao Koiara | 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

### PBIO 480 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 BIOL 401–493 (refer to degree schedule).

P: Subject to approval of the Head of School

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

PBIO480-20W (C) Whole Year (S1 and S2)

### PBIO 690 MSc Thesis

120 Points 1.0000 EFTS

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

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: PHIL 145

EQ: PHIL 145

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**POLS106-20S2 (C) Semester 2**

### **POLS 137 Computers, Artificial Intelligence, and the Information Society**

15 Points 0.1250 EFTS

**Not offered in 2020**

Our art, culture, politics, society, and economy are powered by computing machines. This course will provide a history of computing from the 1930s to the present day, offering students an introduction to the fundamentals of computing technology, the corporations who sell us our devices and software, and moral and ethical issues at the heart of the information society. The course also examines Artificial Intelligence. What is AI and can it be achieved? How could you tell whether a computer has a mind? Is the human brain in fact a computer?

R: PHIL 137, DIGI 102

EQ: PHIL 137, DIGI 102

### **POLS 202 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**POLS202-20S2 (C) Semester 2**

### **POLS 203 World Politics: Islamic Societies**

15 Points 0.1250 EFTS

**Not offered in 2020**

Consequences of socio-economic and political change in selected Islamic states.

P: Any 15 points at 100-level from POLS, or any 60 points at 100 level from Schedule V of the BA, or LAWS, GEOG, or Schedule V of the BCom.

R: ARTS 115

### **POLS 205 United States Politics**

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 US in the Asia-Pacific region, US-China relations, US-North Korea relations, and the global significance of the US 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**POLS205-20S2 (C) Semester 2**

### **POLS 206 Introduction to Public Policy**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course introduces concepts of and approaches to public policy analysis and evaluation. Focusing on policy areas such as health, genetic engineering, human reproduction, the environment, and new technology, 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.

### **POLS 208 Global Politics: Party Politics and Elections in Contemporary Democracies**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is a study of the context and issues of politics and governance of contemporary democracies. Using a comparative analytical approach, the course examines the role of political institutions (formal and informal) and political development on political dynamics, behaviour and participation in these societies.

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.

### **POLS 209 Special Topic: International Development Studies**

15 Points 0.1250 EFTS

This course provides an introduction to the history and theories of international development. It further looks at contemporary challenges involving a plurality of actors in the field, notably the United Nations family, the World Bank and non-governmental organisations.

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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**POLS209-20S1 (C) Semester 1**

### **POLS 210 Democratic Uprisings and Political Participation**

15 Points 0.1250 EFTS

**Not offered in 2020**

With democracy increasingly coming under attack around the world, this course examines democratic uprisings, with a primary focus on people's power uprisings in Southeast Asia and the Middle East, popularly known as the "Arab Spring". 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.

### **POLS 211 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**POLS211-20S1 (C) Semester 1**

### **POLS 212 Global and International Political Economy**

15 Points 0.1250 EFTS

**Not offered in 2020**

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.

### **POLS 216 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**POLS216-20S1 (C) Semester 1**

### **POLS 219 Global and International Politics: Foreign Policy Analysis**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course provides a comprehensive introduction to the theory and empirics of foreign policy analysis. The first part of the course addresses some general questions about the subject, such as: what is foreign policy and how do we study it? It then examines key factors and approaches in foreign policy analysis, beginning with traditional rational actor and bureaucratic decision-making approaches, and ending with more recent trans-national perspectives. Case studies are used throughout to demonstrate the strengths and weaknesses of the different theoretical approaches, with the emphasis on foreign policy doctrine and implementation in the United States and New Zealand.

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.

**POLS 223 Minorities in Politics and Policy in the Asia Pacific**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines how different political systems manage their diverse ethnic communities. It aims to give students a broad overview of how minorities in the Asia Pacific negotiate their identities and political space vis-à-vis the state.

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.

**POLS 224 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: 15 points in POLS at 100-level. Students not meeting the prerequisites but with at least a B average in 60 points in appropriate courses may be admitted to take Political Science and International Relations courses at the 200-level with the approval of the Department Coordinator.

R: EURA 224, EURO 224, EURA 324, EURO 324

EQ: EURA 224

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

**POLS224-19SU2 (C) Summer (Nov 19)****POLS 225 Bioethics: Life, Death, and Medicine**

15 Points 0.1250 EFTS

**Not offered in 2020**

Bioethics is the study of ethical problems in healthcare, medical research, and biotechnology. Bioethical problems arise every day, affecting non-human animals, people, and societies. This course covers a wide range of issues, including: research on human and non-human animals; reproductive technologies, such as surrogacy and genetic testing; 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 from PHIL 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: PHIL 240, PHIL 324

EQ: PHIL 240

**POLS 232 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.

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: COMS 205

EQ: COMS 205

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**POLS232-20S2 (C) Semester 2****POLS 258 Te Tiriti: The Treaty of Waitangi**

15 Points 0.1250 EFTS

**Not offered in 2020**

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, POLS, or SOCI, 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: MAOR 219, HIST 268, SOCI 209, HSRV 207, POLS 218, CULT 219

EQ: HIST 268, MAOR 219, SOCI 209, HSRV 207, CULT 219

**PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C)****Starts Anytime****PACE395-20S1 (C)****Semester 1****PACE395-20S2 (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.

**POLS 301 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: PHIL 317, POLS 351

EQ: PHIL 317

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS301-20S1 (C) Semester 1****POLS 304 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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS304-20S2 (C) Semester 2****POLS 306 The Craft of Political Research and Risk Analysis**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course introduces the 'art' and 'science' of designing and conducting empirical research in political science. The main focus of the course is on "doing" and "producing" political science research. The course will prepare students to be a consumer of political science literature as well as provide them with the fundamentals of scientific research in political science. This course will be valuable preparation for students considering postgraduate studies at the honours level and beyond.

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.

**POLS 307 Policy Issues in Science, Technology and Global Health**

30 Points 0.2500 EFTS

This course analyses major political issues and policy challenges in the areas of global health, bio-medicine and the life sciences industry. Specific issues will include the politics of infectious diseases, food security, human 'enhancement,' and the implications of disruptive technologies for medicine, human reproduction, and life extension. Cases will be drawn from North America, Australasia and Africa.

P: Any 30 points at 200 level from HLTH 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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS307-20S1 (C) Semester 1****POLS 308 International Politics: New Zealand Foreign Policy**

30 Points 0.2500 EFTS

This course will critically examine 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: PACS 303

EQ: PACS 303

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS308-20S1 (C) Semester 1**



**POLS 311 Northeast Asia and the Changing Global Order**

30 Points 0.2500 EFTS

**Not offered in 2020**

A new global order is arising and Northeast Asia is at the heart of it. How will China's Rise affect global politics? Will the US have to accommodate China's rising military power, or will it confront it? How stable is North Korea? Will energy security bring the countries of Northeast Asia together, or will it set them against each other? This course examines the changing global order, how it is being shaped in Northeast Asia, and the implications of this for New Zealand.

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.

**POLS 313 Critical Approaches to International Relations**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course looks closely at a variety of critical perspectives in international relations. Through an examination of liberal, realist, marxist, poststructuralist, and constructivist perspectives, the course shows how critiques emerge in opposition to dominant discourses and theories of international relations. Each critical approach will be introduced and applied to case studies including the war in Iraq, humanitarian intervention, and terrorism. Finally, the course looks at the role of theorists in the practice of international relations in order to demonstrate the ways in which abstract scholarly thought is deeply intertwined with the everyday practice of international politics.

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.

**POLS 314 Militaries and Societies**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course covers the development of the modern military and its role in politics and society in a wide range of countries, including European, Asian, American, and Pacific nations. 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, including the possible emergence of a new kind of post-modern military, whether soldiers trained for battle are effective as peace-keepers, with a focus on New Zealand peace-keeping, and 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: ILAP 656, ILAP 688

**POLS 315 Global Politics: Continuity and Change in the Politics 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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS315-20S2 (C) Semester 2**

**POLS 319 International Organisations: The United Nations and Contemporary Challenges**

30 Points 0.2500 EFTS

An advanced undergraduate course examining international organisations with a special focus on the contemporary role of the United Nations.

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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS319-20S2 (C) Semester 2**

**POLS 332 Media and Conflict**

30 Points 0.2500 EFTS

The course sets out to provide a critical insight and analysis into the role of media in ancient and contemporary conflicts and wars through a series of in-depth case studies. It provides a comprehensive review of the key concepts and theories on the media's impact on, and role during political conflicts.

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, or LAWS, GEOG, or the Schedule V of the BCom.

R: COMS 306

EQ: COMS 306

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS332-20S2 (C) Semester 2**

**POLS 333 Independent Course of Study**

30 Points 0.2500 EFTS

**Not offered in 2020**

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.

**POLS 358 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, or LAWS, GEOG, or the Schedule V of the BCom.

R: MAOR 301, POLS 331, CULT 319

EQ: MAOR 301, CULT 319

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**POLS358-20S2 (C) Semester 2**

**Tāura | Postgraduate**

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

**POLS 440 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS440-20S1 (C) Semester 1**

**POLS 441 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: ILAP 614

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS441-20S1 (C) Semester 1**

**POLS 442 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: POLS 402

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS442-20S2 (C) Semester 2**

**POLS 443 Science, Technology and Environmental Policy**

30 Points 0.2500 EFTS

This course focuses on the analysis and evaluation of comparative national policies for science, technology and the environment. Scientific innovation and investment are crucial to both economic and environmental sustainability, but the dynamics of policy-making in this domain often lead to public mistrust and conflict. Based on the case study method, this course will examine STEP with reference to issues such as: geo-engineering and climate change; energy policy; autonomous machines and the robotic revolution; and advanced biotechnologies for human health and the environment.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS443-20S2 (C) Semester 2**

## Product Design

### **POLS 444 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: POLS 405, DIPL 405, ILAP 662, POLS 420 and DIPL 418 prior to 2014

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS444-20S2 (C) Semester 2**

### **POLS 445 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: POLS 406 and DIPL 406

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS445-20S1 (C) Semester 1**

### **POLS 446 Political Economy of 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 theoretical approaches to economic development and growth.

P: Subject to approval of the Head of Department.

R: POLS 407, DIPL 407, ILAP 671

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS446-20S2 (C) Semester 2**

### **POLS 447 Islam and Politics: The Middle East, Southeast Asia, and the World**

30 Points 0.2500 EFTS

Islam has, since its beginnings been intertwined with politics in a multitude of ways - ways that, since 9/11, often seem dangerous, if we are to believe some politicians and media. If we look more closely, however, we see that political Islam has changed many times over the last century. The course will cover Islam in both the Middle East and Southeast Asia, from a variety of perspectives.

P: Subject to approval of the Head of Department.

R: POLS 412

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS447-20S1 (C) Semester 1**

### **POLS 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**POLS480-20W (C) Whole Year (S1 and S2)**

### **POLS 481 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: POLS 480

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**POLS481-20S2 (C) Semester 2**

### **POLS 482 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

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**POLS482-20S1 (C) Semester 1**

### **POLS 688 Dissertation**

60 Points 0.5000 EFTS

A supervised, independent research project

P: Subject to approval of the Head of Department.

Domestic Fee: \$3,511 (2019)

International Fee: \$15,350 (2019)

**POLS688-20A (C) Starts Anytime**

### **POLS 689 Thesis**

90 Points 0.7500 EFTS

A supervised, independent research thesis.

P: Subject to approval of the Head of Department.

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**POLS689-20A (C) Starts Anytime**

### **POLS 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**POLS690-20A (C) Starts Anytime**

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

### **POLS 790 Political Science PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Department Coordinator.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**POLS790-20A (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.*

## Product Design

*Te Kura Hanga Otinga | School of Product Design*

### **PROD 101 Product Design 1**

30 Points 0.2500 EFTS

An introduction to the methods of systematic product design and specification, illustrated by case studies of successful commercial product designs. Analysis of existing products. History of design and influential designers. Team-based open-ended product design and prototyping projects on nominated topics. Students will form teams and work on specifying and making a product prototype related to their degree major, using techniques such as 3D printing and hand-tool operations (Industrial Product Design), simple animation software and game engines (Immersive Applied Game Design) or mixing, blending and grinding operations (Chemical, Natural and Healthcare Product Formulation).

P: PROD 110 or ENGR 101

Domestic Fee: \$1,735 (2019)

International Fee: \$8,000 (2019)

**PROD101-20S2 (C) Semester 2**

### **PROD 110 Product 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, digital and technical drawing, as well as prototyping skills using paper, card, 3D printing, laser-cutting, modelling foam and wood.

P: University Entrance

R: Restricted to students enrolled in the BProdDesign, the BProdDesign/BCom and the BProdDesign/BSc.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD110-20S1 (C) Semester 1**

### **PROD 111 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.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD111-20S1 (C)** Semester 1

### PROD 121 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.

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**PROD121-20S1 (C)** Semester 1

### PROD 211 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: 1) PROD 111; and 2) either 15 points of MATH/EMTH at 100-level or 15 points of PHYS at 100-level)

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD211-20S1 (C)** Semester 1

### PROD 212 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: 1) either PROD 110 or ENGR 101; and 2) either 15 points of MATH/EMTH at 100-level or 15 points of PHYS at 100-level)

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD212-20S1 (C)** Semester 1

### PROD 213 Industrial Product Design 1A

15 Points 0.1250 EFTS

The process of industrial product design, focusing on the transition from product ideas to working prototypes. Principles of successful product design, such as clarity of function to end-users, simplicity, robustness, etc. Basic principles of mechanical design e.g. movement and force transmission. Embodiment of the design concept. Aesthetics. Introduction to electronics and control. Design project management. Developing the design proposal. Introduction to product economics.

P: PROD 110 or PROD 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD213-20S1 (C)** Semester 1

### PROD 214 Industrial Product Design 1B

30 Points 0.2500 EFTS

Practical workshop skills, working with wood, metal, plastic, composites, etc., with an emphasis on building models and prototyping. Team-based open-ended product design and prototyping projects on nominated topics. Students will form teams and develop a set of product specifications, build prototypes, then evaluate the performance of the prototypes against the original specifications.

P: 1) PROD 101 and 2) either PROD 211 or PROD 212

Domestic Fee: \$1,735 (2019)

International Fee: \$8,000 (2019)

**PROD214-20S2 (C)** Semester 2

### PROD 221 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 COSC 101 or PROD 121 or DIGI 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD221-20S1 (C)** Semester 1

### PROD 222 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) either PROD 101 or SENG 201; and 2) either PROD 121 or PROD 223

Domestic Fee: \$1,735 (2019)

International Fee: \$8,500 (2019)

**PROD222-20S2 (C)** Semester 2

### PROD 223 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: PROD 121 or COSC 121

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**PROD223-20S1 (C)** Semester 1

### PROD 224 Gaming Mathematics and Statistics

15 Points 0.1250 EFTS

Linear algebra, systems of linear equations, vectors and matrices and their manipulation, statistics for gaming applications. Computation for quantitative modelling of object and environment orientation and the manipulation of dynamic systems in 3-dimensional space. Statistical analysis to assess game balance issues, such as the impact of in-game objects on in-game economies, balance of power, and user preference.

P: PROD 121 and 15 points of MATH, EMTH or STAT courses

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD224-20S2 (C)** Semester 2

### PROD 229 Special Topic: Introduction to Game Audio

15 Points 0.1250 EFTS

This introduces the student to foundational skills in the design of music and sound effects for interactive video games. Those interested in any aspect of game development will benefit from exposure to historical and current perspectives towards game audio, and will gain knowledge of a variety of approaches to audio creation, editing and integration into video games. Specific practical techniques for working with music and sound effects will be covered. No prior experience in music or sound design is required.

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

Domestic Fee: \$850 (2019)

International Fee: \$4,000 (2019)

**PROD229-19SU2 (C)** Summer (Nov 19)

### PROD 230 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: CHEM 111 and any 15 points at 100 level from MATH or EMTH.

R: ENCH 291

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD230-20S1 (C)** Semester 1

## Product Design

### PROD 231 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: CHEM 111

RP: BIOL 111

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD231-20S1 (C) Semester 1**

### PROD 232 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: PROD 235 or CHEM 112

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD232-20S2 (C) Semester 2**

### PROD 233 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: CHEM 111

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD233-20S1 (C) Semester 1**

### PROD 234 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: PROD 101 and PROD 233

Domestic Fee: \$1,735 (2019)

International Fee: \$8,000 (2019)

**PROD234-20S2 (C) Semester 2**

### PROD 311 Drawing and Solid CAD Modelling

15 Points 0.1250 EFTS

Advanced sketching for conceptual product design and communication. Advanced 3D computer-aided drawing and solid modelling, with finite element analysis for strength and durability. Preparation of models for rapid-prototyping (additive manufacture/3D printing).

P: either ENME 201 or ENME 221

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD311-20S1 (C) Semester 1**

### PROD 313 Industrial Product Design 2A

15 Points 0.1250 EFTS

The design process for successful transition from product prototype through to final product. Advanced design aesthetics. Manufacturing of industrial products. Advanced economic analysis.

P: PROD 213

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD313-20S1 (C) Semester 1**

### PROD 314 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 (Australasia) or the James Dyson Award (International).

P: PROD 214

Domestic Fee: \$1,735 (2019)

International Fee: \$8,000 (2019)

**PROD314-20S2 (C) Semester 2**

### PROD 321 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: PROD 223

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**PROD321-20S1 (C) Semester 1**

### PROD 322 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: PROD 222 and (PROD 321 or PROD 323)

Domestic Fee: \$1,735 (2019)

International Fee: \$8,500 (2019)

**PROD322-20S2 (C) Semester 2**

### PROD 323 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: PROD 223

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**PROD323-20S1 (C) Semester 1**

### PROD 331 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: PROD 231

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**PROD331-20S1 (C) Semester 1**

### PROD 333 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: PROD 233

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD333-20S1 (C) Semester 1**

### PROD 334 Chemical and Healthcare Product Formulation 2B

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: PROD 234 and (PROD 230 or ENCH 291)

Domestic Fee: \$1,735 (2019)

International Fee: \$8,000 (2019)

**PROD334-20S2 (C) Semester 2**

**PROD 386 Special Topic**

15 Points 0.1250 EFTS

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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD386-20S1 (C)** Semester 1**PROD386-20W (C)** Whole Year (S1 and S2)**PROD386-20S2 (C)** Semester 2**PROD 387 Special Topic**

15 Points 0.1250 EFTS

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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD387-20S1 (C)** Semester 1**PROD387-20W (C)** Whole Year (S1 and S2)**PROD387-20S2 (C)** Semester 2**PROD 388 Independent Course of Study**

15 Points 0.1250 EFTS

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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD388-20S1 (C)** Semester 1**PROD388-20W (C)** Whole Year (S1 and S2)**PROD388-20S2 (C)** Semester 2**PROD 389 Independent Course of Study**

15 Points 0.1250 EFTS

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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PROD389-20S1 (C)** Semester 1**PROD389-20W (C)** Whole Year (S1 and S2)**PROD389-20S2 (C)** Semester 2**Tāura | Postgraduate**

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

**PROD 601 Design Critique and Research Methods**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

**PROD 602 Systems Thinking for Product Design**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

**PROD 611 Design and Manufacture**

15 Points 0.1250 EFTS

**Not offered in 2020**

Understanding a designer's role in and approach to classic and contemporary manufacturing processes, including the implications of this on Māori and other indigenous knowledges. Identify optimal materials and production processes necessary to create specific product designs, details and functionalities. Translate the knowledge and skills attained into alternative process thinking and consequent applications as products or systems. Provide a holistic approach to product design and manufacturing that considers values such as manaakitanga (inclusiveness) and kaitiakitanga (sustainability) in the evaluation of designed products and processing from aesthetics to environmental impact.

P: Approval of the Head of the School of Product Design

**PROD 612 Bio-inspired design**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

**PROD 613 Development of Interdisciplinary Practice and Self**

15 Points 0.1250 EFTS

**Not offered in 2020**

Construction and analysis of self-structured self-reflection, nature of knowledge and norms, models of development knowledge and behaviours - including Māori and other indigenous understandings, developing management skills of self and others, continuing professional development, responding to change, moral consciousness, bicultural competence, improving leadership, emotional intelligence, reflective and reflexive practice, career development, definition of team roles in different cultural contexts, and personal behaviours, giving and receiving constructive feedback, adapting to change, conflict management and process mapping visual methods for construction and analysis of personal career and professional development.

P: Approval of the Head of the School of Product Design

**PROD 614 Design Ethics**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

**PROD 621 Games for Health & Wellbeing**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will provide students with a thorough understanding of designing serious games for health and wellness. Students will use the knowledge and skills developed in this course to create games as tools for improving health and wellbeing, from supporting healthy lifestyle habits and motivating physical activity, to management of illness and as training materials for healthcare professionals to support their delivery of care.

P: Approval of the Head of the School of Product Design

**PROD 622 Immersive Collaborative Play and Design**

15 Points 0.1250 EFTS

**Not offered in 2020**

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

**PROD 623 Gamification for Enterprises**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will teach students about the application of game elements and digital game design techniques to business and enterprises. Students will learn about the mechanisms of gamification and potential uses in enterprises, and how to use it effectively.

P: Approval of the Head of the School of Product Design



**PROD 631 Fragrance Design**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course covers theory and practice of fragrance design, both in terms of fragrance (perfume) products and incorporation of fragrance into other formulated products e.g. personal care products, household cleaning products, and industrial products.

P: Approval of the Head of the School of Product Design

**PROD 632 Special Topics in Cosmetic Product Formulation**

15 Points 0.1250 EFTS

**Not offered in 2020**

The course addresses eight distinct yet interrelated topics, which are based on trends in cosmetic product formulation. The topics range from identifying advance technology-driven processes and raw materials to quality assurance and preservation. Formulating products with ingredients of natural origin are discussed while considering mātauranga Māori (traditional knowledge) around rongoā (native flora herbal preparations). Additionally, the development of sustainable cosmetic formulations are addressed aligning to the values of kaitiakitanga. The content continues with other important aspects including; product evaluation, claims substantiation and safety assessment.

P: Approval of the Head of the School of Product Design

**PROD 690 Product Design Thesis**

120 Points 1.0000 EFTS

**Not offered in 2020**

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.

RP: PROD 601

**INOV 680 Product Innovation Project**

90 Points 0.7500 EFTS

**Not offered in 2020**

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: PROD 601

**PROD 790 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

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

**PROD790-20A (C) 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

**MBAZ 601 Managerial Accounting**

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.

P: Subject to the approval of the Programme Director

R: MBUS 611, MBAD 601

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ601-20T1 (C) 03 Feb 2020 - 26 Apr 2020**

**MBAZ601-20T3 (C) 31 Aug 2020 - 22 Nov 2020**

**MBAZ 602 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.

P: Subject to the approval of the Programme Director

R: MBAD 604, MBUS 614

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ602-20T1 (C) 03 Feb 2020 - 26 Apr 2020**

**MBAZ602-20T3 (C) 31 Aug 2020 - 22 Nov 2020**

**MBAZ 603 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.

P: Subject to the approval of the Programme Director

R: MBUS 621, MBAD 611

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ603-20T1 (C) 03 Feb 2020 - 26 Apr 2020**

**MBAZ603-20T3 (C) 31 Aug 2020 - 22 Nov 2020**

**MBAZ 604 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.

P: Subject to the approval of the Programme Director

R: MBUS 642, MBAD 679

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ604-20T2 (C) 18 May 2020 - 09 Aug 2020**

**MBAZ 605 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.

P: Subject to the approval of the Programme Director

R: MBUS 634, MBAD 658

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MBAZ605-20T1 (C) 03 Feb 2020 - 26 Apr 2020**

**MBAZ605-20T3 (C) 31 Aug 2020 - 22 Nov 2020**

**MBAZ 680 Research 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

Domestic Fee: \$3,653 (2019)

International Fee: \$10,313 (2019)

**MBAZ680-20A (C) Starts Anytime**

**MBAZ 681 Internship**

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

Domestic Fee: \$3,653 (2019)

International Fee: \$10,313 (2019)

**MBAZ681-20A (C) Starts Anytime**

**MPAC 601 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.

P: Subject to the approval of the Programme Director

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC601-20T1 (C) 03 Feb 2020 - 26 Apr 2020**

**MPAC 602 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.

P: Subject to the approval of the Programme Director

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC602-20T2 (C) 18 May 2020 - 09 Aug 2020**

**MPAC 603 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: Subject to the approval of the Programme Director

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC603-20T1 (C)** 03 Feb 2020 - 26 Apr 2020

**MPAC603-20T3 (C)** 31 Aug 2020 - 22 Nov 2020

**MPAC 604 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: Subject to the approval of the Programme Director

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC604-20T3 (C)** 31 Aug 2020 - 22 Nov 2020

**MPAC 605 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: Subject to the approval of the Programme Director

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC605-20T2 (C)** 18 May 2020 - 09 Aug 2020

**MPAC 606 Management**

15 Points 0.1250 EFTS

Describe and analyse business management structures, theories and techniques, and provides an insight to the skills required to develop strategic management direction, solve organisational problems and encourage positive growth and productivity.

P: Subject to the approval of the Programme Director

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC606-20T2 (C)** 18 May 2020 - 09 Aug 2020

**MPAC 607 Information Systems**

15 Points 0.1250 EFTS

**Not offered in 2020**

Reviews and analyses the design of information systems and considers their application for making critical business and accounting decisions.

P: Subject to the approval of the Programme Director

R: MBAD 604, MBUS 614

**MPAC 608 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: Subject to the approval of the Programme Director

R: MBAD 604, MBUS 614

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC608-20T3 (C)** 31 Aug 2020 - 22 Nov 2020

**MPAC 623 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) MPAC 603; (2) MBAZ 604

R: ACCT 623

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC623-20S1 (C)** Semester 1

**MPAC 624 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 MPAC 601, MPAC 602, MPAC 603, MFIN 603; (2) MBAZ 604

R: ACCT 624, FINC 650

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC624-20S2 (C)** Semester 2

**MPAC 626 Applied Research in Corporate Governance**

15 Points 0.1250 EFTS

MPAC 626 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 MPAC 601, MPAC 602, MPAC 603, MPAC 604, MPAC 605, MPAC 608; (2)

MBAZ 604

R: ACCT 626

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC626-20S2 (C)** Semester 2

**MPAC 648 Methodological and Empirical Aspect of Financial Accounting Research**

15 Points 0.1250 EFTS

MPAC 648 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) MPAC 604; (2) MBAZ 604

R: ACCT 648

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC648-20S2 (C)** Semester 2

**MPAC 658 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) MPAC 608; (2) MBAZ 604

R: ACCT 658

Domestic Fee: \$1,218 (2019)

International Fee: \$3,438 (2019)

**MPAC658-20S1 (C)** Semester 1

## Professional and Community Engagement

*Te Kura Kete Aronui | School of Humanities and Creative Arts*

**PACE 195 Putting Your Degree to Work**

15 Points 0.1250 EFTS

This course provides students with the knowledge and critical skills in order to apply their studies to professional, workplace, and community contexts, locally and internationally. The course enables students to connect their subject disciplines with 'real world' relevance, and provides a solid basis for more advanced studies.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PACE195-20S2 (C)** Semester 2

**PACE 295 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: ARTS 295

RP: PACE 195 - Professional and Community Engagement

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**PACE295-20A (C)** Starts Anytime

**PACE295-20S1 (C)** Semester 1

**PACE295-20S2 (C)** Semester 2

## Psychology

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

PACE395-20A (C) Starts Anytime

PACE395-20S1 (C) Semester 1

PACE395-20S2 (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.

## Tāura | Postgraduate

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

### PACE 495 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: ARTS 495

EQ: ARTS 495

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

PACE495-20A (C) Starts Anytime

PACE495-20A (D) Starts Anytime

PACE495-20W (C) Whole Year (S1 and S2)

PACE495-20S1 (C) Semester 1

PACE495-20S2 (C) Semester 2

## Psychology

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

### PSYC 105 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: PSYC 103, PSYC 104

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC105-20S1 (C) Semester 1

### PSYC 106 Introductory Psychology - Social, Personality and Developmental

15 Points 0.1250 EFTS

An introduction to social psychology, developmental psychology, personality and individual differences, and abnormal psychology.

R: PSYC 103, PSYC 104

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC106-20S2 (C) Semester 2

### PSYC 206 Research Design and Statistics

15 Points 0.1250 EFTS

An introduction to the theory and practice of statistics in psychology. For psychological science, statistics is a framework for making rational decisions on the basis of data. The course will emphasize the concepts of logic underlying statistics, and provide worked-through examples that illustrate those concepts. An important theme is that anyone can learn statistics - no math beyond basic algebra is required. This 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

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC206-20S1 (C) Semester 1

### PSYC 207 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: PSYC 104, or PSYC 105 and PSYC 106

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC207-20S1 (C) Semester 1

### PSYC 208 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: PSYC 104, or PSYC 105 and PSYC 106, or with the approval of the Head of Department, a pass in a professional year of Engineering, or in approved courses in Computer Science, Linguistics, or Philosophy

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC208-20S2 (C) Semester 2

### PSYC 209 Sensation and Perception

15 Points 0.1250 EFTS

A broad treatment of human sensation and perception, with the main emphasis on vision, but also including the other senses.

P: PSYC 104, or PSYC 105 and PSYC 106, or with the approval of the Head of Department, a pass in a professional year of Engineering, or in approved courses in Art, Art History, or Computer Science

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC209-20S1 (C) Semester 1

### PSYC 211 Personality

15 Points 0.1250 EFTS

This course provides an overview of classic and contemporary theory and research in personality. Approaches to understanding personality will include Freudian and Neo-Freudian perspectives, genetic and evolutionary perspectives, biological perspectives, existential and humanistic perspectives, trait perspectives, and behavioural perspectives. In the laboratory sessions students will take, analyze, and interpret various personality assessment instruments.

P: PSYC 104, or PSYC 105 and PSYC 106

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC211-20S2 (C) Semester 2

### PSYC 212 Foundations of Behavioural Neuroscience

15 Points 0.1250 EFTS

Not offered in 2020

A first course in Behavioural Neuroscience, the discipline dedicated to the scientific investigation of the neurobiological processes underlying behaviour and mental processes, such as emotion, motivation, attention and consciousness.

P: PSYC 105 and PSYC 106.

RP: BIOL 111 (BCHM 111), and/or BIOL 113, and/or BIOL 116

### PSYC 213 Introduction to Social Psychology

15 Points 0.1250 EFTS

This course is designed as an introductory overview of classical and contemporary social psychology. Social psychology is the scientific study of how our thoughts, feelings, and behaviours are influenced by the real or imagined presence of others. The lectures provide a broad overview of several key topics in the field including the self, social perception, intergroup relations, attitudes and persuasion, social influence, group processes, close relationships, prosocial behaviour, and aggression. Within each of these topics, we also consider the influence of culture and application to the real world. The course also contains a laboratory component in which students work in small groups conducting social psychology research projects.

P: PSYC 105 and PSYC 106

R: PSYC 332

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

PSYC213-20S2 (C) Semester 2

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395  
EQ: ARTS 395  
Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**PACE395-20A (C)** Starts Anytime  
**PACE395-20S1 (C)** Semester 1  
**PACE395-20S2 (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.

### PSYC 333 Biological Psychology

30 Points 0.2500 EFTS

Neural and biochemical bases of behaviour including topics in behavioural pharmacology, behavioural neuroscience, and neuropsychology. Laboratory classes cover basic brain structure and function.

P: PSYC 206.  
RP: 15 further points from PSYC 200/300.  
Domestic Fee: \$1,735 (2019)  
International Fee: \$8,500 (2019)  
**PSYC333-20S1 (C)** Semester 1

### PSYC 334 Learning and Behaviour Analysis

30 Points 0.2500 EFTS

Not offered in 2020

This course deals with learning and emphasises the way in which events in an individual's environment control his/her behaviour. Laboratory work illustrates selected principles of behaviour control using animal subjects in controlled environments.

P: PSYC 206

### PSYC 335 Abnormal Psychology

30 Points 0.2500 EFTS

An introductory course in abnormal psychology covering both the traditional and modern approaches to the field.

P: PSYC 206.  
RP: PSYC 207, PSYC 211  
Domestic Fee: \$1,735 (2019)  
International Fee: \$8,500 (2019)  
**PSYC335-20W (C)** Whole Year (S1 and S2)

### PSYC 336 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: PSYC 206.  
RP: PSYC 211, 15 further points from PSYC 200  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**PSYC336-20S1 (C)** Semester 1

### PSYC 339 Health Psychology and Behaviour Change

30 Points 0.2500 EFTS

This is an introductory course in health psychology. The focus is on the contributions of behavioural science to the promotion of health and the treatment of illness. Topics covered include determinants of health-related behaviours (e.g. smoking, diet), individual and population approaches to behaviour change, stress and coping, adjustment to illness.

P: PSYC 206  
Domestic Fee: \$1,735 (2019)  
International Fee: \$8,500 (2019)  
**PSYC339-20S1 (C)** Semester 1

### PSYC 340 Cognitive Psychology

15 Points 0.1250 EFTS

An advanced seminar based course that focuses on current major developments and issues in cognitive psychology.

P: PSYC 208  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**PSYC340-20S2 (C)** Semester 2

### PSYC 341 Environmental Psychology

15 Points 0.1250 EFTS

Not offered in 2020

An introduction to Environmental Psychology, an integrative area of psychology which places particular emphasis on people-environment interrelationships and transactions, including environment-behaviour relationships, environmental perception and cognition, environmental stress and adaptive responding, cultural values, disaster preparedness and response, conservation behaviour and sustainability initiatives, and the effects of climate, ergonomics and behavioural design.

P: PSYC 206, OR 30 points of 100-level Psychology PLUS 15 points of relevant advanced courses approved by the Head of Department.  
RP: Any of BIOL 112, GEOG 106, GEOG 107, GEOG 108

### PSYC 342 Special Topic

30 Points 0.2500 EFTS

P: PSYC 206  
Domestic Fee: \$1,735 (2019)  
International Fee: \$8,500 (2019)  
**PSYC342-20W (C)** Whole Year (S1 and S2)

### PSYC 344 Research Methods

30 Points 0.2500 EFTS

An advanced survey of research methods, including the design and conduct of research studies and the analysis and reporting of data in Psychology.

P: PSYC 206  
Domestic Fee: \$1,735 (2019)  
International Fee: \$8,500 (2019)  
**PSYC344-20S2 (C)** Semester 2

### PSYC 346 Judgement and Decision Making

15 Points 0.1250 EFTS

The course covers risky and non-risky decision-making, theories of choice, and the way in which people make biased decisions and use short-cuts to make choices. We shall also examine decision criteria: reinforcement, subjective well-being, the value of life. Application in consumer and investment decisions, choosing between future and present good and self-control, and medical decisions will be a theme throughout.

P: PSYC 206, or equivalent preparation  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**PSYC346-20S1 (C)** Semester 1

### PSYC 348 Contemporary Issues in Family Psychology

15 Points 0.1250 EFTS

This course will explore some contemporary and controversial issues in research and theory in Family Psychology. Topics covered may include matters such as child abuse; discipline and punishment; role of family in adolescent development and socialization; multi-systemic family therapy and other family interventions. The emphasis through will be on recent research and theorizing about the selected topics, on the critical evaluation of research and theory, and on its applications to policies and family therapies.

P: PSYC 206 or 60 points at 200 level from the Health Sciences or Arts schedule.  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**PSYC348-20S2 (C)** Semester 2

### PSYC 349 Special Topic

15 Points 0.1250 EFTS

P: PSYC 206  
Domestic Fee: \$867 (2019)  
International Fee: \$4,250 (2019)  
**PSYC349-20S2 (C)** Semester 2

## Tāura | Postgraduate

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

### PSYC 404 Research in Human and Animal Neuropsychology

30 Points 0.2500 EFTS

The broad multidisciplinary nature of the study of brain and behaviour, including evidence from human and animal work. Aspects of memory and a range of neuropsychological disorders are covered.

P: Subject to approval of the Head of Department.  
Domestic Fee: \$2,044 (2019)  
International Fee: \$9,600 (2019)  
**PSYC404-20W (C)** Whole Year (S1 and S2)  
Limited entry. See limitation of entry regulations.

**PSYC 413 Research and Theory in Developmental Psychology**

30 Points

0.2500 EFTS

**Not offered in 2020**

The aim of this course is to provide students with an opportunity to develop an advanced understanding of child development research and theory and, in particular, its application to children at risk. Course topics will include: models of child development; risk and resilience; behavioural genetics, developmental neuropsychology; family influences on children's development and selected topics in paediatric psychology.

P: Subject to approval of the Head of Department.

R: CFPY 602, EDEM 662, EDUC 416.

**PSYC 415 Research in Experimental Analysis of Behaviour**

30 Points

0.2500 EFTS

**Not offered in 2020**

Advanced topics in the study of operant behaviour including core material on stimulus and schedule control of behaviour, and animal perception and cognition.

P: Subject to approval of the Head of Department.

**PSYC 416 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.

P: Subject to approval of the Head of Department.

R: PHIL 476

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC416-20S2 (C)****Semester 2****PSYC 433 Research in Behavioural Pharmacology and Teratology**

30 Points

0.2500 EFTS

An introduction to the effects of drugs on behaviour (behavioural pharmacology) and brain/behavioural development (behavioural teratology) with a particular focus on drugs and other chemicals that are used to treat psychological disorders and to enhance memory, and drugs that are abused and may lead to dependence.

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

RP: PSYC 333 (or equivalent) is strongly recommended

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**PSYC433-20W (C)****Whole Year (S1 and S2)***Limited entry. See limitation of entry regulations.***PSYC 434 Health Psychology: Theories & Interventions**

15 Points

0.1250 EFTS

Contemporary research and theory on how people achieve and maintain good health, why they become ill, and how they respond to illness. This is an advanced course in health psychology.

R: PSYC 437

RP: PSYC 339 Health Psychology &amp; Behaviour Change

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PSYC434-20S2 (C)****Semester 2****PSYC 438 Special Topic**

30 Points

0.2500 EFTS

Direct inquiries to Psychology Postgraduate Coordinator.

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**PSYC438-20W (C)****Whole Year (S1 and S2)****PSYC 439 Special Topic**

30 Points

0.2500 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**PSYC439-20W (C)****Whole Year (S1 and S2)****PSYC 441 Special Topic**

15 Points

0.1250 EFTS

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC441-20S2 (C)****Semester 2****PSYC 451 Human Factors - Ergonomics**

15 Points

0.1250 EFTS

**Not offered in 2020**

An overview of the role of psychology in the field of cognitive ergonomics and human factors.

P: Subject to approval of the Head of Department.

EQ: APSY 610

**PSYC 452 Family Psychology**

15 Points

0.1250 EFTS

A comprehensive examination of adult development within a family context.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC452-20S2 (C)****Semester 2***Limited entry. See limitation of entry regulations.***PSYC 457 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.

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC457-20S2 (C)****Semester 2****PSYC 458 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 findings in selective areas of visual dynamics and perceptual neuropsychology. The goal is to facilitate students to develop both an understanding of the fields and an interest in pursuing some aspects of them in the future. Topics covered will include visual selection and memory, visual awareness, the representation of object and space, face recognition, and others.

P: Subject to approval by the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC458-20S1 (C)****Semester 1****PSYC 460 Research Methods in Psychology**

15 Points

0.1250 EFTS

Postgraduate course in statistics and research methods.

P: Subject to approval of the Head of Department.

R: PSYC 601

EQ: PSYC 601

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC460-20S1 (C)****Semester 1****PSYC 466 The Psychology of Intergroup Relations**

15 Points

0.1250 EFTS

To provide students with an advanced overview of theories and empirical research on the social psychology of intergroup relations.

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

RP: A Bachelors degree majoring in Psychology and PSYC 332 Social Psychology

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC466-20S1 (C)****Semester 1****PSYC 468 Special Topic**

15 Points

0.1250 EFTS

Information available from HoD / PSYC 400 Level Coordinator in Psychology.

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC468-20S1 (C)****Semester 1****PSYC 469 Special Topic**

15 Points

0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC469-20S2 (C)****Semester 2**



**PSYC 470 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 Department.

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**PSYC470-20W (C) Whole Year (S1 and S2)****PSYC470-20CY (C) Cross Year***Limited entry. See limitation of entry regulations.***PSYC 471 Special Topic:**

15 Points 0.1250 EFTS

Information available from HoD / PSYC 400 Course Coordinator in Psychology

P: Subject to approval of the Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC471-20S2 (C) Semester 2****PSYC 472 History of Psychology**

15 Points 0.1250 EFTS

The course covers the history of psychology and particularly of ideas about psychology, including ideas that originate before the beginnings of scientific psychology in the mid-nineteenth century. The course will include reading some important past work in psychology as well as a very brief introduction to historical methodology.

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

R: HAPS 418

EQ: HAPS 418

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC472-20S1 (C) Semester 1****PSYC 473 The Individual in the Economy**

15 Points 0.1250 EFTS

The course examines how psychology may be applied to public sector decision-making, particularly with regard to financial issues. Topics may include decision-making; distributional justice; psychology of money; subjective well-being of society; valuation of government services; psychology of regulation; tax evasion; saving; psychology of unemployment; Why doesn't socialism work (or does it)?

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

RP: Bachelor's degree

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC473-20S1 (C) Semester 1****PSYC 475 Directed Research in Psychology**

15 Points 0.1250 EFTS

In this course students will work on a research exercise under the close direction and supervision of a staff member. The research undertaken may involve a wide range of activities, e.g., meta-analysis of existing research; quantitative reviews of the effectiveness of outcome research; analyses of existing data archives; replications; and small-scale data-gathering and analysis projects. Students will be required to prepare a report on their research activity using standard APA style.

P: Subject to approval of the Head of Department

C: PSYC 460, PSYC 461, or PSYC 464

R: PSYC 413; PSYC 415; PSYC 433; PSYC 467; PSYC 470

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**PSYC475-20W (C) Whole Year (S1 and S2)***Limited entry. See limitation of entry regulations.***PSYC 476 Controversial Issues in Psychology**

15 Points 0.1250 EFTS

**Not offered in 2020**

Advanced theoretical study of controversial issues in contemporary psychology such as the following: What is wrong with psychology? Can evolutionary theory unify psychology? Does the mind extend beyond the brain? Is intelligence one thing or many?

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

RP: A Bachelors degree in psychology

*Limited entry. See limitation of entry regulations.***PSYC 477 Mental Health and Food**

15 Points 0.1250 EFTS

The goal of the course is that students will learn about nutrition and mental health, the consequences of poor nutrition, the role of different diets on mental health, how nutrients

exert their effects on mental health chemically, and the potential for nutritional therapies in treating mental illness. In addition, non-nutritional components (natural and additives) of food will be explored in the context of neurological effects to give the student an appreciation of the emerging importance of non-nutritive food components in mental health.

P: PSYC 335 and subject to Head of Department approval.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PSYC477-20S2 (C) Semester 2****PSYC 478 Special Topic: Contemporary Issues in Developmental Psychology**

15 Points 0.1250 EFTS

This course is designed to provide students with an opportunity to develop an advanced understanding of contemporary issues in developmental psychology.

R: CFPY 602

RP: PSYC 207 Developmental Psychology

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PSYC478-20S2 (C) Semester 2****PSYC 479 Special Topic: Developmental Psychology in the Study of Sleep**

15 Points 0.1250 EFTS

The purpose of this course is for students to gain an understanding of the intersection between sleep and developmental psychology across the lifespan, with a particular focus across the periods of infancy to adolescence. There will be an emphasis on (i) current empirical research and the relationship between sleep, behaviour and psychological health, or vice versa; and (ii) applied sleep research drawing on the principles of behaviour analysis and cognitive-behavioural theory/therapy.

P: (1) PSYC 344; and (2) PSYC 335

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PSYC479-20S1 (C) Semester 1***Limited entry. See limitation of entry regulations.***PSYC 483 Independent Course of Study: Research Project B**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**PSYC483-20S1 (C) Semester 1****PSYC 601 Research Methods in Psychology**

15 Points 0.1250 EFTS

Postgraduate course in statistics and research methods.

P: Subject to approval of the Head of Department.

R: PSYC 460, PSYC 464

Domestic Fee: \$1,022 (2019)

International Fee: \$4,475 (2019)

**PSYC601-20S1 (C) Semester 1****PSYC 641 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.

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**PSYC641-20W (C) Whole Year (S1 and S2)***Limited entry. See limitation of entry regulations.***PSYC 642 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. 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.

Domestic Fee: \$1,226 (2019)

International Fee: \$5,370 (2019)

**PSYC642-20W (C) Whole Year (S1 and S2)***Limited entry. See limitation of entry regulations.*

**PSYC 643 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 relevant. The practicum component provides students the opportunity to observe, participate in, and undertake assessment interviews, treatment, psychometric assessments, and report writing under supervision of the experienced clinical psychologists within the Psychology Centre.

P: Subject to approval of the Head of Department.

Domestic Fee: \$1,635 (2019)

International Fee: \$7,160 (2019)

**PSYC643-20W (C) Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

**PSYC 651 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. 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.

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**PSYC651-20W (C) Whole Year (S1 and S2)****PSYC 653 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 gaining some experience with psychological intervention/therapy, with students being given the opportunity to observe and participate in intervention/therapy. Students will participate in two 12-week practicum placements in the community of two days per week in Terms 2-4. Students are also expected to complete a practicum at the Psychology Centre of approximately two days a week for Term 1.

P: Subject to approval of the Head of Department.

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**PSYC653-20X (C) 10 Feb 2020 - 22 Nov 2020****PSYC 654 Comprehensive Exam in Clinical Psychology**

12 Points 0.1000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$817 (2019)

International Fee: \$3,580 (2019)

**PSYC654-20W (C) Whole Year (S1 and S2)****PSYC 661 Advanced Topics in Clinical Psychology 1**

30 Points 0.2500 EFTS

A survey of advanced topics in clinical psychology that builds upon previous courses in psychopathology, assessment, and intervention. Topics will include: ethics and professional issues, working with specific populations (e.g. psychosis, substance use disorders); and cultural & diversity issues. The course is limited to students admitted into the clinical psychology programme.

P: (1) PSYC 651, PSYC 653, PSYC 654 (2) Entry is subject to approval of the Head of Department.

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**PSYC661-20W (C) Whole Year (S1 and S2)****PSYC 662 Advanced Topics in Clinical Psychology II**

30 Points 0.2500 EFTS

Coverage of advanced topics in clinical psychology that builds upon previous courses in psychopathology, assessment, and intervention. Topics will include: advanced cognitive behaviour therapy strategies and techniques, schema therapy, interpersonal therapy, couples and family therapy, dialectical behaviour therapy, and cultural issues in psychotherapy. Limited to students admitted into the clinical psychology programme.

P: (1) PSYC 651, PSYC 653, PSYC 654 (2) Entry is subject to approval of the Head of Department

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**PSYC662-20W (C) Whole Year (S1 and S2)****PSYC 670 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, the internship year is two full-time half-year clinical placements. Limited to students already admitted to the clinical psychology programme.

P: PSYC 651, PSYC 653, PSYC 654. Entry is subject to Head of Department approval.

C: PSYC 661, PSYC 662.

Domestic Fee: \$4,087 (2019)

International Fee: \$17,900 (2019)

**PSYC670-20A (C) Starts Anytime****PSYC 671 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. 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 (PSYC 671 and PSYC 672). Limited to students already admitted to the clinical psychology programme.

P: (1) PSYC 651, PSYC 653, PSYC 654 (2) Entry is subject to approval of the Head of Department

C: PSYC 661, PSYC 662

R: PSYC 670

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**PSYC671-20A (C) Starts Anytime****PSYC 672 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. 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 (PSYC 671 and PSYC 672). Limited to students already admitted to the clinical psychology programme.

P: PSYC 651, PSYC 653, PSYC 654, PSYC 671

C: PSYC 661, PSYC 662

R: PSYC 670

Domestic Fee: \$2,044 (2019)

International Fee: \$8,950 (2019)

**PSYC672-20A (C) Starts Anytime****PSYC 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**PSYC690-20A (C) Starts Anytime**

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

**PSYC 695 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**PSYC695-20A (C) Starts Anytime****PSYC 790 Psychology PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**PSYC790-20A (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.

**Russian**

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

**RUSS 130 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: RUSS 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**RUSS130-20S1 (C) Semester 1****RUSS130-20S1 (D) Semester 1****RUSS 131 Elementary Russian Language B**

15 Points 0.1250 EFTS

A Russian language course that follows on from RUSS 130, based on the communicative approach.

P: RUSS 130

R: RUSS 101

Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**RUSS131-20S2 (C)** Semester 2  
**RUSS131-20S2 (D)** Semester 2

### RUSS 218 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 318, HIST 274, HIST 374, EURA 214

EQ: HIST 274, EURA 214

Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**RUSS218-20S1 (C)** Semester 1

### RUSS 230 Intermediate Russian Language A

15 Points 0.1250 EFTS

This is the first of two intermediate Russian language courses. It aims at extending vocabulary and grammatical structures to discuss and write about simple topics in Russian culture.

P: RUSS 131, or placement test.

R: RUSS 201

Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**RUSS230-20S1 (C)** Semester 1

**RUSS230-20S1 (D)** Semester 1

### RUSS 231 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 RUSS 230 and places greater emphasis on conversation skills.

P: RUSS 230, or placement test.

R: RUSS 201

Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**RUSS231-20S2 (C)** Semester 2

**RUSS231-20S2 (D)** Semester 2

### RUSS 235 Tsardom to Empire: Russian History 1480 to 1917

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores aspects of social, political, economic, cultural, religious, and intellectual history of Russia prior to 1917, with a particular emphasis on the autocratic tradition as developed from 1480 onwards. The course also investigates the making of the Russian Empire while also examining ways in which political forces unique to Russia shaped the country's cultural specificity in the European context.

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: HIST 138, HIST 235, HIST 335, RUSS 111, RUSS 235, RUSS 335, EURA 235, EURA 335

RP: HIST 136 or HIST 137 or HIST 133

EQ: HIST 235, EURA 235

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**PACE395-20A (C)** Starts Anytime

**PACE395-20S1 (C)** Semester 1

**PACE395-20S2 (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.

### RUSS 318 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: RUSS 218, HIST 274, HIST 374, EURA 214

RP: RUSS 235/HIST 235/EURA 235

EQ: HIST 374

Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**RUSS318-20S1 (C)** Semester 1

### RUSS 330 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: RUSS 231, or placement test.

R: RUSS 301

Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**RUSS330-20S1 (C)** Semester 1

### RUSS 331 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: RUSS 330, or placement test.

R: RUSS 301

Domestic Fee: \$1,553 (2019)  
International Fee: \$6,750 (2019)

**RUSS331-20S2 (C)** Semester 2

### RUSS 335 Tsardom to Empire: Russian History 1480 to 1917

30 Points 0.2500 EFTS

**Not offered in 2020**

This course explores aspects of social, political, economic, cultural, religious, and intellectual history of Russia prior to 1917, with a particular emphasis on the autocratic tradition as developed from 1480 onwards. The course also investigates the making of the Russian Empire while also examining ways in which political forces unique to Russia shaped the country's cultural specificity in the European context.

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: HIST 138, HIST 235, HIST 335, RUSS 111, RUSS 235, RUSS 335, EURA 235, EURA 335

EQ: HIST 335, EURA 335

## Tāura | Postgraduate

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

### LANC 401 In Other Words What? Theory and Practice of Translation

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.

Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)

**LANC401-20S1 (C)** Semester 1

### RUSS 403 Independent Course of Study

30 Points 0.2500 EFTS

**Not offered in 2020**

P: Subject to approval of the Programme Coordinator.

R: RUSS 409

### RUSS 406 Special Linguistic Study

30 Points 0.2500 EFTS

**Not offered in 2020**

A study of some aspects of Russian culture and its symbolic language with the help of semiotic theory.

P: Subject to approval of the Programme Coordinator.

R: EURO 411  
EQ: EURO 411

**RUSS 409 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**RUSS409-20S2 (C) Semester 2****RUSS 412 Nationalism and Ethnic Conflict in the Post-Soviet Space**

30 Points 0.2500 EFTS

**Not offered in 2020**

Following the ideological bankruptcy of Soviet internationalism, ethnic clashes and tensions have swept across the expanses of the former USSR, fostering new nationalistic discourse and new cultural expressions of ethnic awareness. This course studies the historical and ideological roots and current manifestations of nationalism and ethnic conflict in Russia and the former Soviet republics.

P: Subject to approval of the Programme Coordinator.

R: DIPL 415, EURO 415

EQ: EURO 420, DIPL 415

**RUSS 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**RUSS480-20W (C) Whole Year (S1 and S2)****RUSS 481 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 RUSS 481 and culture-focused modules for RUSS 482 approved by the Russian Programme Director.

P: Subject to approval of the Programme Coordinator.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**RUSS481-20S2 (C) Semester 2****RUSS 482 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 RUSS 481 and culture-focused modules for RUSS 482 approved by the Russian Programme Director.

P: Subject to approval of the Programme Coordinator.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**RUSS482-20S2 (C) Semester 2****RUSS 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Coordinator.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**RUSS690-20A (C) Starts Anytime***Part-time enrolment (0.65 EFTS) is available on approval.***RUSS 790 Russian PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**RUSS790-20A (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.*

## Science

*Te Rāngai Pūtaiao | College of Science***SCIE 101 Science, Society and Me**

15 Points 0.1250 EFTS

In this foundational course, we examine stimulating questions such as what science is, how 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**SCIE101-20S2 (C) Semester 2****SCIE 303 Internship**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course is designed for students wanting to apply the skills that they have learnt during their Science degree to a work-based learning experience. You will gain practical experience working in a science or technology based business or organisation enabling you to gain many useful skills for when you enter the workforce. You will have the opportunity to learn how to be more innovative and entrepreneurial as well as learn some basic business skills. This will ultimately provide you with a competitive advantage for whatever you choose to do next whether it is to enter the workforce or enter postgraduate study.

P: 105 points, including 45 points at 200-level. Special application and interview, with permission of Internship Manager.

RP: Students should attend UC careers CV writing and interview skills workshop prior to submitting internship application

**SCIE 304 Science Communicators**

15 Points 0.1250 EFTS

**Not offered in 2020**

Do you think you could inspire the next generation of scientists? Do you want to improve your communication skills? Would you like to do something that makes a real difference? This course is for students who are passionate and enthusiastic about communicating their subject. You will be assigned to a local school and work with a teacher mentor in their classroom for 9 weeks. Your ultimate goal will be to create and deliver a lesson(s) or activity for the pupils in your class, leaving a memorable experience for them and hopefully inspiring a new generation of scientists. You will receive an induction into classroom work and have the chance to observe pupils and teachers before getting stuck in. This will be a hands-on course in a real work environment and ideal for anyone considering a possible career in education or science communication. We won't lie - it will be hard work, however, it will also be an experience like no other you will have had at Uni and hopefully a lot of fun! Acceptance by application and selection only.

P: Enrolled on BSc, 60 credits at 200 level in physics or chemistry

## 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.***SCED 790 Science Education PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**SCED790-20A (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.*

## Science, Māori and Indigenous Knowledge

*Te Kura Pūtaiao Koiora | School of Biological Sciences***SCIM 101 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: MAOR 172

EQ: MAOR 172  
 Domestic Fee: \$867 (2019)  
 International Fee: \$4,250 (2019)  
**SCIM101-20S2 (C)** Semester 2

## Sculpture

*Te Kura Kōwaiwai | Ilam School of Fine Arts*

### SCUL 211 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: FINA 103, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

**SCUL211-20S1 (C)** Semester 1

### SCUL 212 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: SCUL 211, or subject to approval of the Head of the School of Fine Arts. Entry to this course is limited.

Domestic Fee: \$2,602 (2019)

International Fee: \$12,000 (2019)

**SCUL212-20S2 (C)** Semester 2

### SCUL 311 Sculpture 3

90 Points 0.7500 EFTS

P: SCUL 212

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

**SCUL311-20W (C)** Whole Year (S1 and S2)

### SCUL 411 Sculpture 4

90 Points 0.7500 EFTS

P: SCUL 311

Domestic Fee: \$5,204 (2019)

International Fee: \$24,000 (2019)

**SCUL411-20W (C)** Whole Year (S1 and S2)

## Tāura | Postgraduate

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

### SCUL 501 Sculpture

90 Points 0.7500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$5,762 (2019)

International Fee: \$26,850 (2019)

**SCUL501-20W (C)** Whole Year (S1 and S2)

### SCUL 550 Research Paper

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,921 (2019)

International Fee: \$8,950 (2019)

**SCUL550-20W (C)** Whole Year (S1 and S2)

### SCUL 601 Sculpture

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$35,800 (2019)

**SCUL601-20A (C)** Starts Anytime

## Tauwhiro Hapori | Social Work

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

### SOWK 101 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 first part of the course addresses basic organising concepts of welfare, using historical and contemporary case studies. In the second part, 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: HSRV 101

EQ: HSRV 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK101-20S1 (C)** Semester 1

### SOWK 102 Human 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: HSRV 102

EQ: HSRV 102

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK102-20S2 (C)** Semester 2

### SOWK 104 Youth Realities

15 Points 0.1250 EFTS

The course introduces students to the diverse realities of youth with a focus on youth in multiple contexts. Students will explore issues that place youth outside the margins of dominant society that often increases the level of prejudice and discrimination against them.

Throughout the course students will engage in current debates within five key sections:

Transgressing masculinities and femininities; Embodied identity; Youth technologies, spaces and things; Negotiating sexualities; Missing youth rights. Each of these sections will introduce diverse youth perspectives, issues, challenges and debates, and encourages students to critically consider the responses, models, theoretical frameworks used in youth work and human service sectors in general.

R: HSRV 104

EQ: HSRV 104

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK104-20S1 (C)** Semester 1

### SOWK 201 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: 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: HSRV 201

EQ: HSRV 201

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK201-20S1 (C)** Semester 1

### SOWK 202 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: 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: HSRV 202

EQ: HSRV 202

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK202-20S1 (C)** Semester 1



**SOWK 203 Policy Debates in the Social Services**

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: HSRV 203

EQ: HSRV 203

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK203-20S2 (C) Semester 2****SOWK 205 Social Work and Community Engagement**

15 Points 0.1250 EFTS

This course focuses on the development of the practice skills needed by students to engage well with individuals and community groups.

P: With the permission of the Programme Co-ordinator.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK205-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

**SOWK 301 Theory, Methods and Integration**

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: Any 240 points at 100 and 200 level from the Schedule C and E of the BSW(Hons). Head of Department approval mandatory.

C: SOWK 308. For students undertaking part-time study, SOWK 301, together with SOWK 308, must be completed in the last two years of study.

R: SOWK 514/614

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SOWK301-20W (C) Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

**SOWK 303 Mental Health**

15 Points 0.1250 EFTS

An examination of the conceptual framework of mental health, mental ill-health and mental illness, and an introduction to the major classifications of mental illness. An analysis of social work's contribution to the field, and study of tested interventions with patients and support systems in mental health settings. Taught by staff with health expertise and practice experience.

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: SOWK 632

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK303-20S2 (C) Semester 2****SOWK 304 Indigenous 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). Head of Department approval mandatory.

R: HSRV 304

EQ: HSRV 304

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK304-20S1 (C) Semester 1****SOWK 308 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: SOWK 301. For students undertaking part time study, SOWK 301 together with SOWK 308, must be completed in the last two years of study.

R: SOWK 515, SOWK 615

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SOWK308-20W (C) Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

**SOWK 309 Law, Society and International Social Work Practice**

15 Points 0.1250 EFTS

This course will examine the role of law in our society and the importance of the law for social workers, social work agencies and social work clients. Specific areas of the law that are particularly relevant to social work practitioners will be covered. In addition, wider legal issues will be considered within the broad parameters of social justice and human rights. There will be a particular focus on the relevance of the Te Tiriti O Waitangi for the social work profession.

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: SOWK 517, SOWK 616

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK309-20S2 (C) Semester 2****SOWK 310 Research Methods in Social Work**

15 Points 0.1250 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 the human services.

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: HSRV 302; HSRV 305; SOWK 302; SOWK 305

EQ: HSRV 302

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK310-20W (C) Whole Year (S1 and S2)****SOWK 390 Research Methods in Social Work**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 practice. The design of a research project is required as a major exercise.

P: 240 points from the Social Work Schedule.

R: HSRV 302; HSRV 305; SOWK 302; SOWK 305; SOWK 310

Limited entry. See limitation of entry regulations.

**SOWK 451 Social Work Practice Integration**

15 Points 0.1250 EFTS

An advanced course, integrating social work principles, methods, theory, and practice, using group-based learning.

P: Any 120 points at 300 level from the Schedule C of the BSW(Hons).

C: SOWK 471

R: SOWK 525

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK451-20W (C) Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

**SOWK 456 Research Project**

15 Points 0.1250 EFTS

This course reviews the fundamentals of social research, including: ethical considerations; sampling and measurement; data analysis and dissemination and distribution of research knowledge related to the human services. The execution of a group research project is required as the major course assessment.

P: Any 120 points at 300 level from the Schedule C of the BSW(Hons).

R: SOWK 526; SOWK 670

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOWK456-20W (C) Whole Year (S1 and S2)****SOWK 471 Social Work Practicum 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, guided by the Social Workers Registration Board 10 core competencies. Students enrolled in SOWK 471 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: Any 120 points at 300 level from the Schedule C of the BSW(Hons).

C: SOWK 451

R: SOWK 571; SOWK 671

Domestic Fee: \$2,330 (2019)

International Fee: \$10,125 (2019)

**SOWK471-20A (C)** Starts Anytime

**SOWK471-20S1 (C)** Semester 1

Limited entry. See limitation of entry regulations.

### SOWK 472 Social Work Practicum II

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, guided by the Social Workers Registration Board 10 core competencies. Students enrolled in SOWK 472 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: SOWK 471

C: SOWK 451. For students undertaking part-time study, SOWK 451, together with SOWK 471, must be completed in the last two years of study.

Domestic Fee: \$2,330 (2019)

International Fee: \$10,125 (2019)

**SOWK472-20A (C)** Starts Anytime

**SOWK472-20S2 (C)** Semester 2

Limited entry. See limitation of entry regulations.

### SOWK 480 Research Essay

30 Points 0.2500 EFTS

Not offered in 2020

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.

### SOWK 490 Social Work Practice Integration Research Project

30 Points 0.2500 EFTS

Not offered in 2020

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 SOWK 301, SOWK 303, SOWK 304, SOWK 308 and SOWK 390

C: SOWK 491 and SOWK 492

R: SOWK 451, SOWK 456, SOWK 525, SOWK 526, SOWK 572

Limited entry. See limitation of entry regulations.

### SOWK 491 Social Work Fieldwork Practicum I

45 Points 0.3750 EFTS

Not offered in 2020

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 SOWK 301, SOWK 303, SOWK 304, SOWK 308 and SOWK 390

C: SOWK 490

R: SOWK 571, SOWK 671

EQ: SOWK 671

Limited entry. See limitation of entry regulations.

### SOWK 492 Social Work Fieldwork Practicum II

45 Points 0.3750 EFTS

Not offered in 2020

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: SOWK 491

C: SOWK 490

R: SOWK 572, SOWK 672

EQ: SOWK 672

Limited entry. See limitation of entry regulations.

## Tāura | Postgraduate

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

### SOWK 611 Human Behaviour and Mental Health

15 Points 0.1250 EFTS

This course builds on students' foundation knowledge of human behaviour and social work theory and methods. Mental health is studied by examining notions of mental health and mental illness, and then introducing the major classifications. The topic is explored within the context of a developmental ecological, evolutionary and Māori perspectives. Teaching methods include reflective/reflexive group process and an independent learning project.

P: Subject to approval of the Head of Department.

R: SOWK 303

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**SOWK611-20S2 (D)** Semester 2

### SOWK 612 Mana Motuhake, a Bicultural Analysis

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: SOWK 512

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**SOWK612-20S1 (D)** Semester 1

### SOWK 614 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: SOWK 615. For students undertaking part-time study, SOWK 614, together with SOWK 615, must be completed in the last two years of study.

R: SOWK 514/301

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SOWK614-20W (D)** Whole Year (S1 and S2)

Limited entry. See limitation of entry regulations.

### SOWK 615 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: SOWK 308; SOWK 515

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SOWK615-20W (D)** Whole Year (S1 and S2)

Limited entry. See limitation of entry regulations.

### SOWK 616 Law, Society and International Social Work Practice

15 Points 0.1250 EFTS

This course will examine the role of law in our society and the importance of the law for social workers, social work agencies and social work clients. Specific areas of the law that are particularly relevant to social work practitioners will be covered. In addition, wider legal issues will be considered within the broad parameters of social justice and human rights. There will be a particular focus on the relevance of the Te Tiriti O Waitangi for the social work profession.

P: Subject to approval of the Head of Department.

R: SOWK 309, SOWK 517

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**SOWK616-20S2 (D)** Semester 2

## Sociology

### SOWK 617 Qualitative Research and Programme Evaluation Strategies

15 Points 0.1250 EFTS

This course introduces students to a range of qualitative research methods emphasising both conceptual appreciation and technical competence. Students are encouraged to think critically in terms of applicability for developing ethical evaluation models within diverse contexts/ settings.

P: Subject to approval of the Head of Department.

R: SOWK 621/HSRV 421

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**SOWK617-20S1 (D) Semester 1**

### SOWK 624 Social Policy Theory and Practice Integration

15 Points 0.1250 EFTS

This is a two-part course. In part one, policy theory is considered and policy development examined. Particular emphasis is given to a thorough appreciation of key policy concepts and their application in an Aotearoa New Zealand setting. Alongside this, fieldwork practice experiences are critically examined in practice labs, reinforcing the importance of the theory/practice interface and highlighting a practice awareness of diverse client populations. Part two of the course advances this theory/practice mode of learning. Using a policy orientation, particular emphasis is given to the interrelationship of power dynamics, policy development and implementation, as well as exploring strategies for effecting change. Teaching emphasises reflective and reflexive learning strategies as internship experiences are contemplated and considered in relation to internship experience in an iterative fashion.

P: Subject to approval of the Head of Department.

R: SOWK 451

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**SOWK624-20A (D) Starts Anytime**

**SOWK624-20W (D) Whole Year (S1 and S2)**

Limited entry. See limitation of entry regulations.

### SOWK 670 Research Project

15 Points 0.1250 EFTS

This course reviews the fundamentals of social research, including: ethical considerations; sampling and measurement; data analysis and, dissemination and distribution of research knowledge related to the human services. The execution of a group research project is required as the major course assessment.

P: SOWK 617. Subject to approval of the Head of Department.

R: SOWK 526; SOWK 456

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**SOWK670-20W (D) Whole Year (S1 and S2)**

**SOWK670-20W (C) Whole Year (S1 and S2)**

### SOWK 671 Fieldwork Practicum 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, 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: SOWK 624

R: SOWK 471, SOWK 571

Domestic Fee: \$2,826 (2019)

International Fee: \$11,513 (2019)

**SOWK671-20A (D) Starts Anytime**

**SOWK671-20S1 (D) Semester 1**

Limited entry. See limitation of entry regulations.

### SOWK 672 Fieldwork Practicum II

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, guided by the Social Workers Registration Board 10 core competencies. Students enrolled in SOWK 672 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: SOWK 671. Subject to approval of the Head of Department.

C: SOWK 624

R: SOWK 472/572

Domestic Fee: \$2,826 (2019)

International Fee: \$11,513 (2019)

**SOWK672-20A (D) Starts Anytime**

**SOWK672-20S2 (D) Semester 2**

Limited entry. See limitation of entry regulations.

### SOWK 695 Social Work MSW Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**SOWK695-20A (C) Starts Anytime**

### SOWK 790 Social Work PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**SOWK790-20A (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.

## Sociology

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

### SOCI 111 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI111-20S1 (C) Semester 1**

### SOCI 112 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI112-20S2 (C) Semester 2**

### SOCI 201 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: SOCI 301, SOCI 393 (2013).

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI201-20S1 (C) Semester 1**

### SOCI 202 Constructing Bodies

15 Points 0.1250 EFTS

**Not offered in 2020**

This course examines a variety of body modification and management practices, such as cosmetic surgery, sexual enhancement technologies and body piercing, and considers the ways in which particular forms of embodiment challenge common understandings about bodies, gender and sexuality.

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: GEND 102, FMST 102, AMST 113, CULT 112, AMST 142, GEND 201, CULT 207

EQ: GEND 201, CULT 207

**SOCI 209 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: HIST 268, MAOR 219, POLS 218, POLS 258, HSRV 207, CULT 219

EQ: HIST 268, MAOR 219, POLS 258, HSRV 207, CULT 219

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI209-20S2 (C) Semester 2**

**SOCI 212 Kinship and Family in Comparative Perspective**

15 Points 0.1250 EFTS

This course focuses on the importance and nature of family and kinship in the construction and maintenance of social relations by individuals as well as groups, in a variety of ethnographic contexts.

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: ANTH 312, ANTH 212, GEND 218, GEND 318 and SOCI 312

EQ: ANTH 212, GEND 218

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI212-20S1 (C) Semester 1**

**SOCI 216 Special Topic: Communes, Cults, Riots and Revolutions: Collective Behaviour in Modern Society**

15 Points 0.1250 EFTS

**Not offered in 2020**

Why people behave in a collective fashion is not ways obvious from the outset, often not even to themselves. This course introduces the concept of collective behaviour, looking at what the term covers, what it does not, and how we can begin to make sense of this collectivity. This course will cover the sociological study of cults, communes, riots, protests, gangs, terrorism, revolutionary behaviour, and moral panics, within historical and contemporary contexts.

P: 15 points of SOCI or ANTH at 100 level; OR 45 points in related subjects with the approval of the Head of Department.

**SOCI 218 Crime and Justice**

15 Points 0.1250 EFTS

This course examines the development of criminological theory, before moving to consider crime in New Zealand itself. The final section of the course deals with corrections and the criminal justice system.

P: Any 15 points at 100 level from ANTH, CRJU, LAWS, or SOCI, or any 60 points at 100 level from the Schedule V of the BA.

R: SOCI 318, CRJU 201

EQ: CRJU 201

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI218-20S1 (C) Semester 1**

**SOCI 220 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: SOCI 230 (2005), SOCI 320, SOCI 330 (2005)

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI220-20S1 (C) Summer (Jan 20)**

**SOCI 223 Ethnicity, Racism and History**

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 any 60 points at 100 level from the Schedule V of the BA.

R: ANTH 223, HIST 283, MAOR 230, PACS 204

EQ: ANTH 223, HIST 283, MAOR 230, PACS 204

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI223-20S2 (C) Semester 2**

**SOCI 238 Exploring the Past: Museums, Memory and Material Culture**

15 Points 0.1250 EFTS

This course is a 'hands-on' introduction to public history and historical ethnography, taught through a combination of workshops, tutorials and field trips.

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

R: ANTH 238, HIST 288

EQ: ANTH 238, HIST 288

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI238-20S2 (C) Semester 2**

**SOCI 243 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: SOCI 343

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI243-20S1 (C) Semester 1**

**SOCI 244 On Death and Dying: Current Controversies in Thanatology**

15 Points 0.1250 EFTS

'On Death and Dying' introduces students to this most pervasive yet under-examined aspect of social life. Students will be given the opportunity to explore death, dying and bereavement from a sociological point of view. We will explore the different and complex ways people attend to death through a guided programme that includes a study of the notion of sequestered death, the body in death, the social stratification of death, customary practices past and present including Aotearoa/New Zealand, death and medicine, good death/bad death, near death experiences, ghosts, euthanasia, suicide, the funeral profession, grief and mourning, memento mori, mass death, death and the media/popular culture.

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: SOCI 344, POLS 404

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI244-20S2 (C) Semester 2**

**SOCI 255 Sociology of the City**

15 Points 0.1250 EFTS

This course is concerned with the city as it is experienced today: as shifting mixes of public and private spaces in which disruptions provoke different points of view, multiple memories and complex associations.

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: SOCI 292, SOCI 392, SOCI 355, CULT 210, CULT 310

EQ: CULT 210

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI255-20S1 (C) Semester 1**

**SOCI 262 Food and Eating**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course explores the food chain, from production, through consumption, to exchange and considers the ways in which food is implicated in the reproduction of, and resistance to, inequalities of class, gender, ethnicity and nationalism.

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: ANTH 208, ANTH 308, SOCI 362

EQ: ANTH 208

**SOCI 263 Sociology of the Everyday World**

15 Points 0.1250 EFTS

This course introduces students to a range of issues associated with the sociology of the everyday world. It examines how the elements of everyday life - shopping, credit cards, leisure, the meaning of home, food, relationships with companion animals, and other student selected topics reveal our entanglement with wider social processes. Everyday worlds will also be examined as a nexus for our engagement with contemporary issues ranging from environmental awareness to social justice.

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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI263-20S2 (C) Semester 2**

## Sociology

### **SOCI 278 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 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 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: SOCI 292, SOCI 392 in 2012

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI278-20S2 (C) Semester 2**

### **SOCI 291 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: SOCI 392

### **SOCI 293 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SOCI293-20S2 (D) Semester 2**

**SOCI293-20S2 (C) Semester 2**

### **PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime**

**PACE395-20S1 (C) Semester 1**

**PACE395-20S2 (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.*

### **SOCI 311 Mental Health and Society**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course will engage with debates and issues associated with mental health, mental illness and addictions. It will consider: differing approaches to 'madness'; critiques of the war on drugs; debates around psychotropic medications; Māori and indigenous perspectives on mental health; policy debates relating to mental health and addictions; global differences in the expression of mental distress; mental health consumers movements; and social and cultural determinants of mental health.

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: SOCI 347; ANTH 311

EQ: ANTH 311

### **SOCI 344 On Death and Dying: Current Controversies in thanatology**

30 Points 0.2500 EFTS

'On Death and Dying' introduces students to this most pervasive yet under-examined aspect of social life. Students will be given the opportunity to explore death, dying and bereavement from a sociological point of view. We will explore the different and complex ways people attend to death through a guided programme that includes a study of the notion of sequestered death, the body in death, the social stratification of death, customary practices past and present including Aotearoa/New Zealand, death and medicine, good death/bad death, near death experiences, ghosts, euthanasia, suicide, the funereal profession, grief and mourning, memento mori, mass death, death and the media/popular culture.

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: SOCI 244, POLS 404

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SOCI344-20S2 (C) Semester 2**

### **SOCI 355 Sociology of the City**

30 Points 0.2500 EFTS

This course is concerned with the city as it is experienced today: as shifting mixes of public and private spaces in which disruptions provoke different points of view, multiple memories and complex associations.

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

R: SOCI 292, SOCI 392, SOCI 255, CULT 210, CULT 310

EQ: CULT 310

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SOCI355-20S1 (C) Semester 1**

### **SOCI 358 Prisons and Corrections**

30 Points 0.2500 EFTS

This course looks at the evolution of corrections internationally and in New Zealand, and examines a number of contemporary correctional issues.

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.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SOCI358-20S2 (C) Semester 2**

### **SOCI 361 Social Movements**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course explores diverse social movements, asking how we can make sense of them. How do they bring about social change? The course looks at abortion movements, environmental movements, civil rights movements, and many other movements. Collective identity, internet activism, framing, and various theories of social movements are considered. Students will do a presentation on a social movement of their choice.

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: GEND 227, GEND 327, SOCI 261

### **SOCI 363 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: SOCI 340, SOCI 341

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SOCI363-20S1 (C) Semester 1**

### **SOCI 378 Special Topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

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.

### **SOCI 388 Contested Heritage: Politics, Power and Practice**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: ANTH 388

EQ: ANTH 388

### **SOCI 392 Special topic**

30 Points 0.2500 EFTS

**Not offered in 2020**

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: SOCI 291



## Tāura | Postgraduate

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

### CULT 415 Sexuality, Gender and Identity

30 Points 0.2500 EFTS

We have become a 'sexual story telling culture'. The sociologist Kenneth Plummer wrote this in 1995 to describe a change in late twentieth century western cultures: a shift in sexual storytelling, which had been private, to a proliferation of increasingly public sexual narratives. This trend has only intensified in the past two decades. This course will explore the cultural landscape of contemporary sexual 'story telling' with attention to how this intersects with gender, ethnicity and age.

P: Subject to the approval of the Head of Department

R: SOCI 404

EQ: SOCI 404

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**CULT415-20S1 (C) Semester 1**

### SOCI 402 Methods and Strategies in Research

30 Points 0.2500 EFTS

Not offered in 2020

This course centres around the development of research skills by students and a critical understanding of research carried out by others.

P: Subject to approval of the Head of Department.

### SOCI 404 Sexuality, Gender and Identity

30 Points 0.2500 EFTS

We have become a 'sexual story telling culture'. The sociologist Kenneth Plummer wrote this in 1995 to describe a change in late twentieth century western cultures: a shift in sexual storytelling, which had been private, to a proliferation of increasingly public sexual narratives. This trend has only intensified in the past two decades. This course will explore the cultural landscape of contemporary sexual 'story telling' with attention to how this intersects with gender, ethnicity and age.

P: Subject to approval of the Head of Department.

R: CULT 415

EQ: CULT 415

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SOCI404-20S1 (C) Semester 1**

### SOCI 410 Multispecies Studies

30 Points 0.2500 EFTS

This course introduces a new subfield of anthropology concerned with the interconnectedness of humans and other life forms. Recognizing that the human condition cannot be understood in isolation, it considers the meaningful agency of nonhuman others and their entanglement with human lives, landscapes and technologies. The course introduces students to cutting-edge studies of mammalian interspecies intimacies, to intersections with insects, fish, fungi, and microbes, to issues of extinction and invasion, and to the implications of other species for human bodies, economies, foods and technologies.

P: Subject to approval of the Head of Department.

R: ANTH 410, CULT 421

EQ: CULT 421, ANTH 410

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SOCI410-20S2 (C) Semester 2**

### SOCI 413 Topics in Ethnicity, Migration and Nationalism

30 Points 0.2500 EFTS

Not offered in 2020

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: HSRV 413, MAOR 422

EQ: HSRV 413

### SOCI 415 What is Society?

30 Points 0.2500 EFTS

Not offered in 2020

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.

### SOCI 420 The Politics of Need

30 Points 0.2500 EFTS

Not offered in 2020

The Politics of Need is a critical engagement with local and global society and the issues that have arisen and continue to arise. What does - and can - society mean? What are the debates, challenges and possibilities as we find ourselves in the second decade of the 21st century? Why does Need still occur? How can we think critically past the all-too-often simplistic pieties and blames of both the left and the right? How are governments, think tanks, NGOs, social movements, intellectuals and public debate responding? How might we critique, respond to and rethink structural inequality and the welfare state?

P: Subject to approval of the Head of Department.

R: SOCI 368

### SOCI 441 Independent Course of Study

30 Points 0.2500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SOCI441-20S2 (C) Semester 2**

### SOCI 470 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SOCI470-20S1 (C) Semester 1**

**SOCI470-20S2 (C) Semester 2**

### SOCI 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**SOCI690-20A (C) Starts Anytime**

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

### SOCI 790 Sociology PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**SOCI790-20A (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.*

## Software Engineering

Department of Computer Science and Software Engineering

### SENG 199 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.

Domestic Fee: \$0 (2019)

International Fee: \$0 (2019)

**SENG199-20W (C) Whole Year (S1 and S2)**

### SENG 201 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) COSC 121; (2) COSC 122; (3) 15 points from Mathematics, Statistics, Engineering Mathematics or MSCI 110. MATH 120/STAT 101 are strongly recommended.

R: COSC 263, COSC 324

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**SENG201-20S1 (C) Semester 1**

**SENG 202 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 either individually or 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: SENG 201 AND Approval into the BE(Hons) Software Engineering programme.

Domestic Fee: \$867 (2019)

International Fee: \$4,250 (2019)

**SENG202-20S2 (C) Semester 2****SENG 301 Software Engineering II**

15 Points 0.1250 EFTS

SENG 301 builds on the material introduced in SENG 201 (Introduction to Software Engineering) and is intended as a companion course to SENG 302 (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: SENG 201.

R: COSC 314, COSC 324

RP: COSC 110 OR COSC 101, ENCE 260.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**SENG301-20S1 (C) Semester 1****SENG 302 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: SENG 201.

C: SENG 301

R: COSC 325, COSC 314

RP: COSC 110 OR COSC 101, ENCE 260, COSC 368, COSC 265.

Domestic Fee: \$1,950 (2019)

International Fee: \$11,000 (2019)

**SENG302-20W (C) Whole Year (S1 and S2)****SENG 365 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: COSC 265 or two courses out of (INFO 223, INFO 253, INFO 263).

R: COSC 365

RP: SENG 201 is strongly recommended.

Domestic Fee: \$975 (2019)

International Fee: \$5,500 (2019)

**SENG365-20S1 (C) Semester 1****SENG 401 Software Engineering III**

15 Points 0.1250 EFTS

This course will build on SENG 201 and SENG 301, deepening study of design and quality assurance in software projects.

P: SENG 301 and SENG 302

R: COSC 427

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**SENG401-20S1 (C) Semester 1****SENG 402 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: SENG 301, SENG 302 AND Approval into the BE(Hons) Software Engineering programme.

Domestic Fee: \$2,044 (2019)

International Fee: \$9,600 (2019)

**SENG402-20W (C) Whole Year (S1 and S2)****SENG 403 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: SENG 301

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**SENG403-20S2 (C) Semester 2****SENG 404 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

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**SENG404-20S1 (C) Semester 1****SENG 440 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 'native' platforms (e.g. iOS, WinPhone) and the HTML5 approach (e.g. WebViews, FirefoxOS, and PhoneGap).

P: SENG 301

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**SENG440-20S1 (C) Semester 1****SENG 441 Special Topic: Model-Driven Software Engineering**

15 Points 0.1250 EFTS

This course introduces model-driven software engineering, including related processes, practices and tools, domain-specific languages, automatic code generation and model analysis techniques.

P: (1) COSC 261 and SENG 301 and (2) Subject to approval by Head of Department

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**SENG441-20S1 (C) Semester 1****SENG 442 Special Topic: Evidence Based Software Engineering**

15 Points 0.1250 EFTS

The course prepares students to be evidence based software engineers, that is, to improve their professional decision making, as software engineers and future leaders of software engineers, in areas related to software development and maintenance; and to improve that decision making by integrating current best evidence from software engineering research with the student's practical and professional experience, the experience of others, professional values, for example, ITP Code of Ethics, and real-world constraints. The course examines approaches to finding, evaluating, integrating and disseminating appropriate evidence, experience, values and constraints.

P: SENG 301

Domestic Fee: \$1,022 (2019)

International Fee: \$4,800 (2019)

**SENG442-20S2 (C) Semester 2****Tāura | Postgraduate**

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

**SENG 690 Software ME Thesis**

120 Points 1.0000 EFTS

Software ME Thesis

P: Subject to approval of the Head of Department

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**SENG690-20A (C) Starts Anytime**

## Soil Science

Te Kura Ngahere | School of Forestry

### SOIL 203 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, or by approval Chair Forestry Board of Studies

R: SOIL 201

Domestic Fee: \$975 (2019)

International Fee: \$4,800 (2019)

**SOIL203-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

## Spanish

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

### SPAN 101 Beginners' Spanish A

15 Points 0.1250 EFTS

An introductory language course for students with no previous knowledge of Spanish.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPAN101-20S1 (C) Semester 1**

### SPAN 102 Beginners' Spanish B

15 Points 0.1250 EFTS

A language course following on from SPAN 101, for those with limited knowledge of Spanish.

P: SPAN 101, NCEA Level 2, or placement test.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPAN102-20S2 (C) Semester 2**

### SPAN 201 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: SPAN 102, NCEA Level 3, or placement test.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPAN201-20S1 (C) Semester 1**

### SPAN 202 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: SPAN 201 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 SPAN 201 before trying to enter SPAN 202.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPAN202-20S2 (C) Semester 2**

### SPAN 203 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: SPAN 201 or placement test.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPAN203-20S2 (C) Semester 2**

### SPAN 204 Hispanic Culture through Film

15 Points 0.1250 EFTS

**Not offered in 2020**

This course will provide students with an overview of modern Hispanic culture in the 20th and 21st century through an examination of selected films from Spain and Latin America. Key films will be discussed and analysed from socio-cultural, political, and historical perspectives and in relation to genre and themes such as modernity and identity, exile, the transnational, and the intercultural.

P: Any 15 points at 100 level from SPAN, or any 60 points at 100 level from the Schedule V of the BA.

### SPAN 205 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: SPAN 305

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPAN205-20S1 (C) Semester 1**

### PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime**

**PACE395-20S1 (C) Semester 1**

**PACE395-20S2 (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.

### SPAN 301 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: SPAN 202 or placement test.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SPAN301-20S1 (C) Semester 1**

### SPAN 302 Advanced Spanish B

30 Points 0.2500 EFTS

This course is a continuation of SPAN 301. 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: SPAN 301 or placement test.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SPAN302-20S2 (C) Semester 2**

### SPAN 303 Introduction to Hispanic Literature

30 Points 0.2500 EFTS

**Not offered in 2020**

The aim of this course is to introduce students to the study of Peninsular and Latin American literature through selected literary works chosen from representative genres (narrative fiction, poetry, and drama). In the process, students will learn the fundamentals of reading, discussing, and writing about literary works while at the same time developing further the four basic language skills in Spanish (reading, writing, speaking, and listening). SPAN 303 and SPAN 304 are offered in alternate years.

P: SPAN 202 or placement test.

### SPAN 304 Introductory Readings in Latin American Literature

30 Points 0.2500 EFTS

**Not offered in 2020**

This course will introduce students to literary movements and canonical authors in Latin America from pre-Columbian times to the latter part of the twentieth century. All literary genres will be considered and author biographical information as well as critical theory will come into play. Readings will be in Spanish. SPAN 303 and SPAN 304 are offered in alternate years.

P: SPAN 202 or placement test.

**SPAN 305 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 SPAN 202 or placement test.

R: SPAN 205

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**SPAN305-20S1 (C)** Semester 1**Tāura | Postgraduate**

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

**LANC 401 In Other Words What? Theory and Practice of Translation**

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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**LANC401-20S1 (C)** Semester 1**SPAN 401 Latin American Narratives: Journey Through the Labyrinth**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course examines in-depth key fictional writings of 20th century Latin American literature, providing insight into the ideas that have shaped that part of the world.

P: Subject to approval of the Programme Director.

**SPAN 404 Readings in Hispanic History**

30 Points 0.2500 EFTS

**Not offered in 2020**

The purpose of this course is to explore Spanish recent history by questioning the evolving framework of rationality from which many of the ideas, beliefs, and identity in Spain have been and are being shaped. It introduces these three elements as central to the analysis and understanding of socio-political developments and cultural production.

P: Subject to approval of the Programme Director.

**SPAN 405 Translation Studies: Focus on Spanish**

30 Points 0.2500 EFTS

**Not offered in 2020**

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

**SPAN 411 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SPAN411-20S2 (C)** Semester 2**SPAN 412 Advanced Spanish Language**

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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**SPAN412-20S2 (C)** Semester 2**SPAN 690 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**SPAN690-20A (C)** Starts Anytime

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

**SPAN 790 Spanish PhD**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**SPAN790-20A (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.

**Speech and Language Pathology**

Refer to *Communication Disorders* on page 51.

**Sport Coaching**

Te Kura Mātai Hauora | School of Health Sciences

**SPCO 101 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPCO101-20S1 (D)** Semester 1**SPCO101-20S1 (C)** Semester 1**SPCO 102 Theoretical Foundations of Coaching and Teaching**

15 Points 0.1250 EFTS

This course introduces students to the philosophical assumptions, learning theory and theories of communication that underpin coaching practice. Understanding the philosophical assumptions, theories of human learning and of communication that coaching sits upon provides important foundational knowledge that coaches can draw upon to make important decisions about coaching at any level. The course includes participating in practical sessions across a range of sports that students will reflect upon and draw upon relevant literature to develop into well informed, inquisitive and reflective coaches.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPCO102-20S2 (C)** Semester 2**SPCO102-20S2 (D)** Semester 2**SPCO 103 Sport Psychology 1**

15 Points 0.1250 EFTS

This course will provide an introduction to basic sport psychology theories and techniques used for maximising performance and satisfaction in sport and physical activity. It will allow students to apply appropriate sport psychology techniques and examine the implications of these for sport coaches and the sporting environment.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPCO103-20S2 (C)** Semester 2**SPCO103-20S2 (D)** Semester 2**SPCO 104 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: TEPE 102  
 Domestic Fee: \$900 (2019)  
 International Fee: \$4,250 (2019)  
**SPCO104-20S2 (C)** Semester 2  
**SPCO104-20S2 (D)** Semester 2

### SPCO 105 Social History of Sport and Physical Education

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: TEPE 204, TEPE 105  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**SPCO105-20S1 (C)** Semester 1  
**SPCO105-20S1 (D)** Semester 1

### SPCO 107 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.

Domestic Fee: \$900 (2019)  
 International Fee: \$4,250 (2019)  
**SPCO107-20S1 (C)** Semester 1  
**SPCO107-20S1 (D)** Semester 1

### SPCO 110 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: SPCO 101  
 R: EDSP 130  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**SPCO110-20W (C)** Whole Year (S1 and S2)  
**SPCO110-20W (D)** Whole Year (S1 and S2)

### SPCO 126 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: TEPE 112  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**SPCO126-20S1 (C)** Semester 1  
**SPCO126-20S2 (C)** Semester 2

### SPCO 201 Athlete-Centred Coaching 1

15 Points 0.1250 EFTS  
 This course engages students with cutting edge research in the development of exciting and effective innovations in coaching that are athlete-centred, inquiry-based and growing in popularity across the globe. Students will gain a working knowledge of the philosophical assumptions, contemporary learning theory and pedagogical developments underpinning this coaching approach. Theory and practice is linked in the learning process by having students critically reflect upon their own experiences as coaches and learners, engage in dialogue as active learners and reading the relevant literature.

P: Any 60 points at 100 level from any subject.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**SPCO201-20S2 (C)** Semester 2  
**SPCO201-20S2 (D)** Semester 2

### SPCO 204 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: Any 60 points at 100 level from any subject.  
 R: TEPE 202  
 Domestic Fee: \$900 (2019)  
 International Fee: \$4,250 (2019)  
**SPCO204-20S2 (C)** Semester 2  
**SPCO204-20S2 (D)** Semester 2

### SPCO 207 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.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**SPCO207-20S2 (C)** Semester 2  
**SPCO207-20S2 (D)** Semester 2

### SPCO 208 Sport and Culture in 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 are often overlooked. This course examines a range of cultural and social issues in New Zealand sport with a focus on its bi-cultural nature and how this should inform coaching practice. With teaching and assessment built around field trips it adopts innovative experiential pedagogy with learning bases upon real world experience.

P: Any 60 points at 100 level from any subject.  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)  
**SPCO208-20S1 (C)** Semester 1  
**SPCO208-20S1 (D)** Semester 1

### SPCO 209 Exercise Physiology

15 Points 0.1250 EFTS  
 Practical laboratory sessions and seminars help link key concepts of exercise physiology to practice. Undertake fitness assessments and understand the anaerobic and aerobic energy systems, as well as acute and chronic responses to exercise.

P: SPCO 104  
 R: SPCO 206, TEPE 203, TEPE 103  
 Domestic Fee: \$900 (2019)  
 International Fee: \$4,250 (2019)  
**SPCO209-20S1 (C)** Semester 1  
**SPCO209-20S1 (D)** Semester 1

### SPCO 210 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: SPCO 110 and approval based on police vetting.  
 R: EDSP 230  
 Domestic Fee: \$777 (2019)  
 International Fee: \$3,375 (2019)

**SPCO210-20W (C)** Whole Year (S1 and S2)  
**SPCO210-20W (D)** Whole Year (S1 and S2)  
**SPCO210-20A (C)** Starts Anytime  
**SPCO210-20A (D)** Starts Anytime

### SPCO 221 Sports Injuries and their Management

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.  
 Domestic Fee: \$900 (2019)  
 International Fee: \$4,250 (2019)  
**SPCO221-20S2 (C)** Semester 2  
**SPCO221-20S2 (D)** Semester 2



**SPCO 222 Analysis of Expeditioning**

15 Points 0.1250 EFTS

This course will extend each student's knowledge and understanding of coaching water based activities through involvement with canoesport - specifically canoeing as a vehicle for journeying and expeditioning. Through the course students will develop practical canoe and expeditioning skills which will form the basis for a safe descent of a South Island river during a 3 - 5 day expedition. Students will collect data for a socio-cultural, environmental, bi-cultural, historical or physiological study whilst taking part in the canoe expedition.

P: 1) 30 points in any subject or 2) enrolment in GradCertSpC or 3) approval of Programme Coordinator

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO222-20S1 (C) Summer (Jan 20)

**SPCO 223 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 15 points at 100 level from SPCO.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO223-20S1 (C) Semester 1

SPCO223-20S1 (D) Semester 1

**SPCO 224 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO224-20S1 (C) Semester 1

SPCO224-20S1 (D) Semester 1

**SPCO 226 Rock Climbing Contexts and Techniques**

15 Points 0.1250 EFTS

This course develops students' skills and knowledge relevant to contemporary rock climbing physiology and educational approaches. Content focuses on knowledge necessary to develop, implement and evaluate a training programme to enhance rock climbing performance. Teaching will also focus on current approaches to teaching and analysing rock climbing movement skills both indoors and on natural rock outdoors. The course uses a type of rock climbing called bouldering (completing difficult moves close to the ground without the ropes) with only a small amount of rope work in preparation for SPCO 326 Rock Climbing Leadership. There are two field trips to Kura Tawhiti/ Castle Hill where students learn about the importance of place to climbers and significance to tangata whenua.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

R: TEPE 110

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO226-20S1 (C) Semester 1

Limited entry. See limitation of entry regulations.

**SPCO 227 Paddle Sport Contexts and Techniques**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course develops students' skills and knowledge relevant to contemporary paddlesports research and educational approaches. Content focuses on knowledge necessary to use digital technology to analyse and evaluate a paddlesports skill to enhance performance. Drawing on practical experiences in pool sessions and also on natural bodies of water, this course develops an understanding of Tikanga Māori and paddlesports.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

R: TEPE 111

Limited entry. See limitation of entry regulations.

**SPCO 231 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

SPCO231-20S2 (C) Semester 2

SPCO231-20S2 (D) Semester 2

**SPCO 232 Motor Learning and Performance**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course provides students with an understanding of the process of skill acquisition and development of retained memories and motor programmes. Students will learn how to provide appropriate feedback to different learners. Students will critically analyse training methods, and will appreciate individual differences, as well as the development of motor skills.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

**SPCO 241 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

SPCO241-20S1 (C) Semester 1

SPCO241-20S1 (D) Semester 1

**SPCO 242 Weight Management**

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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

SPCO242-20S2 (C) Semester 2

SPCO242-20S2 (D) Semester 2

**SPCO 301 Sport Coaching and Leadership**

15 Points 0.1250 EFTS

This course critically examines and applies sport coaching pedagogy in a range of sporting contexts. Importantly, this course looks at the interrelatedness of leadership, power and culture and the effects these factors may have on a positive team and organisational environment. Students will critically examine the possible directions of sport coaching and explore possible ways of managing such changes. Students will explore the course content through micro-coaching sessions within a variety of sport coaching contexts.

P: SPCO 201

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO301-20S2 (C) Semester 2

SPCO301-20S2 (D) Semester 2

**SPCO 302 Athlete-Centred Coaching 2**

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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO302-20S1 (C) Semester 1

SPCO302-20S1 (D) Semester 1

**SPCO 304 Applied Biomechanics**

15 Points 0.1250 EFTS

This course provides a framework in which to analyse movement through an understanding of Cartesian vector analysis, analytical methods and tools for the analysis of movement. Students will be equipped to make quantitative measurements and apply the principles of biomechanics to measuring performance.

P: Any 60 points at 100 level from any subject, or any 15 points at 100 level from SPCO.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

SPCO304-20S2 (C) Semester 2

SPCO304-20S2 (D) Semester 2

### SPCO 305 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: SPCO 208

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO305-20S1 (C) Semester 1

SPCO305-20S1 (D) Semester 1

### SPCO 308 Athletes with Disabilities

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: EDSP 285

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO308-20S1 (C) Semester 1

SPCO308-20S1 (D) Semester 1

### SPCO 309 Applied Exercise Physiology

15 Points 0.1250 EFTS

This course provides students with a comprehensive examination of the interaction between the body's energy systems and its response to training. Students learn to critically analyse current trends in nutritional support and training strategies. Students are required to assess, train and analyse the performance of a small group of athletes through the duration of the course.

P: 1) SPCO 209 or 2) SPCO 206

R: SPCO 306

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

SPCO309-20S1 (C) Semester 1

SPCO309-20S1 (D) Semester 1

### SPCO 310 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: SPCO 210 or SPCO 241

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO310-20W (C) Whole Year (S1 and S2)

SPCO310-20W (D) Whole Year (S1 and S2)

SPCO310-20A (C) Starts Anytime

SPCO310-20A (D) Starts Anytime

### SPCO 320 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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO320-20A (C) Starts Anytime

SPCO320-20A (D) Starts Anytime

### SPCO 326 Rock Climbing Leadership

15 Points 0.1250 EFTS

Not offered in 2020

This course will extend each student's knowledge and understanding of the educational possibilities of top-roped rock climbing in New Zealand. Through the course students will critically analyse the literature relevant to top-roped rock climbing and use this analysis to plan, implement and evaluate a rock climbing experience which incorporates contemporary approaches to outdoor education and is supported by the New Zealand Curriculum. The technical and legal aspects of safety and risk are explored and students develop skills in establishing educational and safe rock climbing experiences. Through field trips to climbing areas in the Port Hills/ Nga Kohatu Whakarekareka o Tamatea Pokai Whenua, students learn about the importance of place to climbers and the significance to Tangata Whenua.

P: Any 60 points at 200 level from any subject.

R: TEPE 210

Limited entry. See limitation of entry regulations.

### SPCO 331 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 the SportsCode Pro video analysis software. Students will get an opportunity to test and become more proficient in effective communication methods.

P: SPCO 231

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO331-20S1 (C) Semester 1

SPCO331-20S1 (D) Semester 1

### SPCO 332 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: SPCO 231

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

SPCO332-20S2 (C) Semester 2

SPCO332-20S2 (D) Semester 2

### SPCO 334 The Body, Movement, and Well-being

15 Points 0.1250 EFTS

Not offered in 2020

Through movement, social theories will be used to critically analyse dominant discourses of the body, movement, and well-being. It will deconstruct hidden messages that influence the way we think and behave towards the body, movement and well-being. The content will include gender and other forms of stereotyping, scientisation of the body and movement, marginalisation of indigenous knowledge's, hegemonic power relations, moral reasoning, ethical decision making and the analysis of technologies of power. Through the critical analysis process, students will become more culturally and globally aware, and responsible for fostering personal and collective well-being.

P: SPCO 208

Limited entry. See limitation of entry regulations.

### SPCO 335 Learning beyond the Gymnasium

15 Points 0.1250 EFTS

This course develops students' capability to translate their knowledge and skill into quality learning experiences in education contexts 'beyond the gymnasium'. Beyond the gymnasium learning experiences occur in labs or out of doors. Bringing together exercise sciences and learning theories, students will research, analyse and apply contemporary exercise science learning in an Aotearoa New Zealand context. There is a strong focus on critical analysis, application of knowledge and students will evaluate contemporary issues in learning and teaching beyond the gymnasium.

P: SPCO 209

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

SPCO335-20S1 (C) Semester 1

Limited entry. See limitation of entry regulations.

**SPCO 336 Physical Education: Beyond the Now**

15 Points 0.1250 EFTS

This course will examine possible multiple futures for physical education. It draws on historical and cultural developments that have informed current practices. Historical and cultural developments will provide the back drop for understanding how 21st century conceptualisations of knowledge and learning influence and shape physical education. A critical focus on the embodiment of movement, ethics and the role technology might play in creating personal meaning, will lead to the exploration of what the future might hold in understanding diverse ways of becoming physically educated.

P: SPCO 208

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**SPCO336-20S2 (C) Semester 2**

Limited entry. See limitation of entry regulations.

**SPCO 341 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: SPCO 241

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**SPCO341-20S2 (C) Semester 2****SPCO341-20S2 (D) Semester 2****SPCO 343 Nutrition and Recovery for Sports Performance**

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: SPCO 242

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

**SPCO343-20S1 (C) Semester 1****SPCO343-20S1 (D) Semester 1**

## Sport Science

*Te Kura Mātai Hauora | School of Health Sciences*

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

**SSCI 403 The Competitive Edge: Innovation in Sport Science**

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

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**SSCI403-20S1 (C) Semester 1****SSCI 404 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 of the Head of School

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**SSCI404-20A (C) Starts Anytime****SSCI404-20S2 (C) Semester 2****SSCI 405 Special Topic: Leading change in Sport Science**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course will address an agreed topic in sport science from one or more of the following areas: biomechanics, exercise physiology, sport psychology, sport nutrition, strength and conditioning and performance analysis. Emphasis will be placed on enhancing sport performance and critically evaluating and communicating theoretical as well as practical findings. Students will have the opportunity to collect original data in an area of interest.

P: Subject to approval of the Head of School

**SSCI 406 Special Topic: Advancing knowledge in Sport Science**

30 Points 0.2500 EFTS

**Not offered in 2020**

This course is designed to address one or more areas in sport science, with may include: biomechanics, exercise physiology, sport psychology, sport nutrition, strength and conditioning and performance analysis. Emphasis will be placed on enhancing sport performance and critically evaluating and communicating theoretical as well as practical findings.

P: Subject to approval of the Head of School

**SSCI 407 Advanced Strength and Conditioning**

30 Points 0.2500 EFTS

The course explores recent and more complex aspects of strength and conditioning. 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

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**SSCI407-20S2 (C) Semester 2****SSCI 408 Sport Science 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 sports scientists who wish to make an in-depth examination of a specific issue and develop research expertise.

P: Subject to approval of the Head of School

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**SSCI408-20A (C) Starts Anytime****SSCI408-20S2 (C) Semester 2****SSCI 409 Advanced Adventure Sport Science**

30 Points 0.2500 EFTS

**Not offered in 2020**

There is world-wide interest in adventure sports such as rock climbing, kayaking, canoeing and New Zealand is renowned as an adventure destination. Accordingly, there is an increasing emphasis of sport science within adventure sports in order to more deeply understand and take account of the demands of the activities and the environments within which they take place. This course is focused on the science of adventure sports within the Aotearoa New Zealand context.

P: Subject to approval of the Head of School

**SSCI 680 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.

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

**SSCI680-20A (C) Starts Anytime****SSCI 681 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 require students to plan a small-scale dissertation and present the findings in the form of a written dissertation.

Domestic Fee: \$4,216 (2019)

International Fee: \$19,200 (2019)

**SSCI681-20A (C) Starts Anytime**

# Statistics

## School of Mathematics and Statistics

### STAT 101 Statistics 1

15 Points 0.1250 EFTS

An introduction to the ideas, techniques and applications of statistics and probability.

R: STAT 111, STAT 112, DIGI 103  
EQ: STAT 111, STAT 112, DIGI 103  
Domestic Fee: \$764 (2019)  
International Fee: \$4,000 (2019)

STAT101-19SU2 (C) Summer (Nov 19)

STAT101-20S1 (C) Semester 1

STAT101-20S2 (C) Semester 2

### STAT 201 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: STAT 101 or 15 points from 100-level MATH or EMTH (excluding MATH 110)  
R: FORE 210, STAT 220, FORE 222, STAT 222  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT201-20S1 (C) Semester 1

### STAT 202 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: STAT 101 or 15 points from 100-level MATH or EMTH (excluding MATH 110)  
R: FORE 210, STAT 220, FORE 224, STAT 224  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT202-20S2 (C) Semester 2

### STAT 211 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: 15 points from MATH 102, EMTH 118 or MATH 199; and another 15 points from 100 level STAT, MATH or EMTH (excluding MATH 101 & MATH 110)  
R: STAT 216  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT211-20S1 (C) Semester 1

### STAT 213 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: 15 points from MATH 102, EMTH 118 or MATH 199; and another 15 points from 100 level STAT, MATH or EMTH (excluding MATH 101 & MATH 110)  
R: STAT 214  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT213-20S2 (C) Semester 2

### STAT 221 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: 15 points from MATH 102, EMTH 118 or MATH 199; and another 15 points from 100 level STAT, MATH or EMTH (excluding MATH 101 & MATH 110)  
R: STAT 218  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT221-20S2 (C) Semester 2

### STAT 312 Data Collection and Sampling Methods

15 Points 0.1250 EFTS

Data collection and sampling methods. Designs for surveys of populations.

P: 30 points from 200 level STAT  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT312-20S1 (C) Semester 1

### STAT 313 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, STAT 210-299 or DATA 203  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT313-20S1 (C) Semester 1

### STAT 314 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: 15 points from 200 level MATH or EMTH, STAT 210-299 or DATA 203  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT314-20S2 (C) Semester 2

### STAT 315 Multivariate Statistical Methods

15 Points 0.1250 EFTS

Detailed study of multivariate methods. Application of multivariate methods, test statistics and distributions.

P: 15 points from MATH 102, EMTH 118 or MATH 199; and 15 points from 200 level STAT; and a further 15 points from 200 level STAT, or DATA 203 or MATH 103.  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT315-20S1 (C) Semester 1

### STAT 316 Applied Stochastic Modelling

15 Points 0.1250 EFTS

**Not offered in 2020**

Theory and applications of Markov processes. Applications to population dynamics, queuing and reliability.

P: 15 points from STAT 211, STAT 212, STAT 221 or MATH 201.  
R: MATH 376

### STAT 317 Time Series Methods

15 Points 0.1250 EFTS

Analysis of sequentially collected data including data modelling and forecasting techniques.

P: 15 points from MATH 102, EMTH 118 or MATH 199; and another 30 points from 200 level STAT or ECON 213  
R: ECON 323, FINC 323  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT317-20S2 (C) Semester 2

### STAT 318 Data Mining

15 Points 0.1250 EFTS

Parametric and non-parametric statistical methodologies and algorithms for data mining.

P: 15 points from MATH 102, EMTH 118 or MATH 199; and another 30 points from 200 level STAT, COSC, DATA, MATH or EMTH  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT318-20S1 (C) Semester 1

STAT318-20S2 (C) Semester 2

### STAT 319 Generalised Linear Models

15 Points 0.1250 EFTS

STAT 319 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 STAT 200-299  
Domestic Fee: \$780 (2019)  
International Fee: \$4,250 (2019)

STAT319-20S1 (C) Semester 1

## Statistics

### STAT 391 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.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

STAT391-20S1 (C) Semester 1

### STAT 392 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.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

STAT392-20S2 (C) Semester 2

### STAT 393 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

STAT393-20S1 (C) Semester 1

### STAT 394 Independent Course of Study

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

STAT394-20S2 (C) Semester 2

### STAT 395 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

Domestic Fee: \$764 (2019)

International Fee: \$4,000 (2019)

STAT395-19SU2 (C) Summer (Nov 19)

## Tāura | Postgraduate

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

### STAT 440 Probability Theory

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of School.

### STAT 445 Financial Time Series

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

STAT445-20S2 (C) Semester 2

### STAT 446 Generalised Linear Models

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

STAT446-20S1 (C) Semester 1

### STAT 447 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: STAT 474

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

STAT447-20S2 (C) Semester 2

### STAT 448 Big Data

15 Points 0.1250 EFTS

STAT 448 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

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

STAT448-20S1 (C) Semester 1

STAT448-20S2 (C) Semester 2

### STAT 449 Project

30 Points 0.2500 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$1,977 (2019)

International Fee: \$9,600 (2019)

STAT449-20W (C) Whole Year (S1 and S2)

STAT449-20CY (C) Cross Year

### STAT 450 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.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

STAT450-20S1 (C) Semester 1

### STAT 451 Survival and Longitudinal Data Analysis

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of School.

### STAT 452 Applied Statistics

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of School.

### STAT 453 Mathematical Statistics

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of School.

### STAT 454 Analysis of Longitudinal data

15 Points 0.1250 EFTS

Not offered in 2020

P: Subject to approval of the Head of School.

### STAT 455 Data Collection and Sampling Methods

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

STAT455-20S1 (C) Semester 1

### STAT 456 Time Series and Stochastic Processes

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

R: ECON 663, ECON 614

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

STAT456-20S2 (C) Semester 2



**STAT 457 Nonparametric Methods**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**STAT 458 Applied Stochastic Modelling**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**STAT 459 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.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT459-20S1 (C) Semester 1**

**STAT 460 Extreme Value Statistics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT460-20S1 (C) Semester 1**

**STAT460-20S2 (C) Semester 2**

**STAT 461 Bayesian Inference**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT461-20S2 (C) Semester 2**

**STAT 462 Data Mining**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT462-20S1 (C) Semester 1**

**STAT462-20S2 (C) Semester 2**

**STAT 463 Multivariate Statistical Methods**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT463-20S1 (C) Semester 1**

**STAT 464 Statistical Inference**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**STAT 465 Advanced Data Analysis and Statistical Consulting**

15 Points 0.1250 EFTS

**Not offered in 2020**

This course teaches students to apply the statistical methods in a variety of practical situations, to communicate in an interdisciplinary environment, to provide critique and respond to it.

P: STAT 315, and one of (STAT 314, STAT 317, STAT 319)

**STAT 470 Special Topic in Statistics - Advanced Time Series Methods**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**STAT 471 Special Topic in Statistics**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT471-20S1 (C) Semester 1**

**STAT 472 Special Topic in Statistics**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**STAT 474 Special Topic in Statistics**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School.

**STAT 475 Independent Course of Study**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT475-20S1 (C) Semester 1**

**STAT475-20S2 (C) Semester 2**

**STAT 478 Special Topic in Statistics**

15 Points 0.1250 EFTS

**Not offered in 2020**

Special Topic in Statistics

P: Subject to approval of the Head of School

**STAT 479 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Head of School

Domestic Fee: \$989 (2019)

International Fee: \$4,800 (2019)

**STAT479-20S1 (C) Semester 1**

**STAT479-20S2 (C) Semester 2**

**STAT 481 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

P: Subject to approval of the Head of School

**STAT 491 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.

Domestic Fee: \$969 (2019)

International Fee: \$4,575 (2019)

**STAT491-19SU2 (C) Summer (Nov 19)**

**STAT491-20A (C) Starts Anytime**

**STAT 690 MSc Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**STAT690-20A (C) Starts Anytime**

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

**STAT 695 MA Thesis**

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**STAT695-20A (C) Starts Anytime**

## Taxation

### STAT 790 Statistics PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,683 (2019)

International Fee: \$38,400 (2019)

**STAT790-20A (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.*

## Taxation

### Department of Accounting and Information Systems

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

### TAXA 690 MCom Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

R: ACIS 690, AFIS 690

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**TAXA690-20A (C) Starts Anytime**

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

### TAXA 694 MCom Thesis

90 Points 0.7500 EFTS

P: Subject to approval of the Head of Department

Domestic Fee: \$5,513 (2019)

International Fee: \$23,625 (2019)

**TAXA694-20A (C) Starts Anytime**

### TAXA 790 Taxation PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of Department.

R: ACIS 790, AFIS 790

Domestic Fee: \$7,351 (2019)

International Fee: \$31,500 (2019)

**TAXA790-20A (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.*

### EDMT 603 Creating Inclusive Learning Environments for Diverse Learners

15 Points 0.1250 EFTS

This course establishes the theoretical framework and research base for inclusive practices in classrooms and schools. Pre-service teachers will critically examine, apply and evaluate models and practices that enable the development of engaging, inclusive environments for all students and that build meaningful partnerships with families and whanau, and with other professionals.

P: EDMT 601

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EDMT603-20X (C) 10 Feb 2020 - 08 Nov 2020**

### EDMT 604 Inquiry and Evidence-based Practice for Inclusive Learning Contexts 1

30 Points 0.2500 EFTS

This course supports students with the development of an evidence-based approach to teacher inquiry through iterative cycles of self-reflection on and refinement of their own professional and pedagogical understandings and practices. Students continue their systematic engagement in critical reflection on their beliefs, attitudes, knowledge and practices through linking theory with embedded professional experiences, in order to deepen their awareness of the way the two interact to shape the teaching and learning processes.

P: EDMT 601

C: EDMT 611 or EDMT 621 or EDMT 631

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDMT604-20X (C) 10 Feb 2020 - 14 June 2020**

### EDMT 605 Inquiry and Evidence-based Practice for Inclusive Learning Contexts 2

30 Points 0.2500 EFTS

This course extends students' professional and pedagogical understandings, knowledge and skills through refinement and expansion of the evidence-based inquiry cycle process begun in prior programme coursework and learning experiences. Students will synthesise research-informed and experience-based knowledge in critical examination of their own and others' emerging professional and pedagogical practices.

P: EDMT 604

C: EDMT 612 or EDMT 622 or EDMT 632

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDMT605-20X (C) 06 July 2020 - 08 Nov 2020**

### EDMT 606 Developing a Teacher-Researcher Stance

15 Points 0.1250 EFTS

This synthesising course provides the opportunity for each student to consolidate and evaluate their professional knowledge and skills and situate their pedagogical practice in relation to professional standards and contemporary educational research. Students critically appraise the content and process of their professional learning journey through the programme, including the evidence of adaptive expertise, cultural responsiveness, and action competence as a teacher.

P: 1) EDMT 605 and 2) EDMT 612 or EDMT 622 or EDMT 632

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EDMT606-20X (C) 09 Nov 2020 - 06 Dec 2020**

### EDMT 611 Curriculum, Pedagogy and Assessment in Primary Contexts 1: Engaging Diverse Learners in NZC

30 Points 0.2500 EFTS

The course explores the development of pedagogical content knowledge, including evidence-based approaches to curriculum design and implementation within the context of the New Zealand curriculum. The course will focus on literacy, mathematics and science as enablers of curriculum engagement for all learners. Embedded practice experiences will occur throughout the course to ensure that students will engage in iterative cycles of reflection and refinement of curriculum development and implementation.

P: EDMT 601

C: EDMT 604

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**EDMT611-20X (C) 10 Feb 2020 - 14 June 2020**

### EDMT 612 Curriculum, Pedagogy and Assessment in Primary Contexts 2: Engaging Diverse Learners in NZC

30 Points 0.2500 EFTS

The course continues to explore the development of pedagogical content knowledge, including evidence-based approaches to curriculum design and implementation within the context of the New Zealand curriculum. The course will focus on Future Focused (Science, Technology and Digital Literacies), Community-based (Health, Physical Education, Social Sciences and Learning Languages) and the Arts (Dance, Drama, Music and Visual Arts) learning areas as enablers of curriculum engagement for all learners. Embedded practice experiences will occur throughout the course to ensure that students will engage in iterative cycles of reflection and refinement of curriculum development and implementation.

P: EDMT 611

C: EDMT 605

## Whakangungu Kaiako | Teacher Education

### Te Kura Whakangungu Kaiako | School of Teacher Education

#### EDMT 601 Teaching and Learning in Aotearoa New Zealand

15 Points 0.1250 EFTS

This course provides the foundational constructs and principles for teaching and learning within the socio-political, cultural and historical context of the New Zealand education system. Students will systematically and critically engage with developmental, philosophical, ethical, professional and policy frameworks related to current educational issues that support inclusive and culturally responsive educational settings for diverse learners, while critically examining their own values, beliefs, attitudes and knowledge. The course includes a community-based learning experience in a non-school setting, as well as a Treaty of Waitangi workshop and a Noho Marae experience relating to education in the 21st century.

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EDMT601-20X (C) 13 Jan 2020 - 09 Feb 2020**

#### EDMT 602 Toward Māori Success: Presence, Engagement and Achievement

15 Points 0.1250 EFTS

The course explores theoretical notions specific to identity, culture, knowledge, evidence and pedagogy, providing a critical approach to understanding the enablers of educational success for Māori learners in contemporary Aotearoa New Zealand. Pre-service teachers will be encouraged to critically reflect on the significance of the Treaty of Waitangi principles in the broader education sense. Kaupapa Māori worldview perspectives will be drawn on by way of a series of frameworks to inform the threads of culturally responsive principles and strategies for action.

P: EDMT 601.

RP: Previous and/or concurrent engagement with Te Reo Māori

Domestic Fee: \$942 (2019)

International Fee: \$3,838 (2019)

**EDMT602-20X (C) 10 Feb 2020 - 08 Nov 2020**

Domestic Fee: \$1,884 (2019)  
International Fee: \$7,675 (2019)

EDMT612-20X (C) 06 July 2020 - 08 Nov 2020

### EDMT 621 Curriculum, Pedagogy and Assessment in Secondary Contexts 1: Engaging Diverse Learners in NZC

30 Points 0.2500 EFTS

Initial teacher education (secondary) students are introduced to, and critically engage with, the New Zealand Curriculum (NZC). They examine the research and evidence base for how adolescents learn and pedagogical and assessment practices that support learning for diverse students in particular subject areas. In their course work and embedded teaching practice experiences, pre-service teachers apply knowledge and skills to plan, evaluate and refine teaching and learning sequences. Pre-service teachers examine 'puzzles of practice' relating to teaching and learning in subject contexts, focusing on learners in Years 7 to 10.

P: EDMT 601

C: EDMT 604

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDMT621-20X (C) 10 Feb 2020 - 14 June 2020

### EDMT 622 Curriculum, Pedagogy and Assessment in Secondary Contexts 2: Engaging Diverse Learners in NZC and NCEA

30 Points 0.2500 EFTS

Initial teacher education (secondary) students critically engage with the New Zealand Curriculum (NZC) and the New Zealand national qualification for secondary schools, the National Certificate for Educational Achievement (NCEA). They examine 'puzzles of practice' related to teaching, learning and assessment within subject contexts, focusing on the learning needs of diverse students and schooling Years 11 to 13. Embedded teaching practice experiences provide opportunities for pre-service teachers to design and evaluate planning for learning and to use assessment evidence to refine teacher planning and classroom curriculum design.

P: EDMT 621

C: EDMT 605

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

EDMT622-20X (C) 06 July 2020 - 08 Nov 2020

### EDMT 631 Curriculum, Pedagogy and Assessment in Early Childhood Contexts 1: Engaging Diverse Learners in the early year's curriculum Te Whariki

30 Points 0.2500 EFTS

Not offered in 2020

The course explores the development of pedagogical knowledge and pedagogical content knowledge, including evidence-based approaches to curriculum design and implementation within the context of Te Whariki and the New Zealand curriculum. Embedded practice experiences will occur throughout the course to ensure that students will engage in iterative cycles of reflection and refinement of curriculum development, implementation and evaluation.

P: EDMT 601

C: EDMT 604

### EDMT 632 Curriculum, Pedagogy and Assessment in Early Childhood Contexts 2: Engaging Diverse learners in the early year's curriculum Te Whariki

30 Points 0.2500 EFTS

Not offered in 2020

The course continues to explore the development of pedagogical knowledge and pedagogical content knowledge, including evidence-based approaches to curriculum design and implementation within the context of the Te Whariki curriculum in the early years. The course will focus on Future Focused education (Multiple Literacies), Culture and Community-based (temporal/physical/emotional/spiritual wellbeing, socio-cultural theories and print/oral literacies) and the Arts (Dance, Drama, Music and Visual Arts) themes and learning areas as enablers of curriculum engagement for all learners. Embedded practice experiences will occur throughout the course to ensure that students will engage in iterative cycles of reflection and refinement of curriculum development, implementation and evaluation.

P: EDMT 631

C: EDMT 605

### TECE 105 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECE105-20YC2 (C) Year C Second Half

TECE105-20YC2 (D) Year C Second Half

### TECE 106 Rethinking Infants and Toddlers/Te Kohungahunga

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 whanau.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECE106-20YC1 (C) Year C First Half

TECE106-20YC1 (D) Year C First Half

### TECE 205 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: TECE 105

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECE205-20YC2 (C) Year C Second Half

TECE205-20YC2 (D) Year C Second Half

### TECE 355 Social and Cultural Studies 1

15 Points 0.1250 EFTS

Early childhood teachers need to be aware of the cultures within the society of Aotearoa/ New Zealand. They must understand what it means to be bicultural and how to function as teachers in a multicultural society, guided by Te Tiriti o Waitangi. This course will focus on New Zealand as a bicultural and multicultural society, and develop students' knowledge and understanding of te Tiriti o Waitangi. This course will also provide students with an historical context within which to place contemporary early childhood provision in New Zealand.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECE355-20YB1 (D) Year B First Half

### TECE 356 Social and Cultural Studies 2

15 Points 0.1250 EFTS

This course examines the role of early childhood professionals as advocates for children and families. Students will consider the parliamentary process, legislation and policy, and issues related to advocacy and children's rights.

P: TECE 355

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECE356-20S2 (D) Semester 2

### TECE 357 The Early Childhood Context 1

15 Points 0.1250 EFTS

Early Childhood teachers have a responsibility to foster ongoing and diverse learning pathways for children. This course will enable students to provide inclusive early childhood education, and to partner with family/whanau in the education and care of infants, toddlers and young children. Students will explore curriculum theory and practice and will examine their role in providing curriculum experiences. Students will also investigate issues in Early Childhood Education and paradigms of childhood.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECE357-20YB1 (D) Year B First Half

### TECE 358 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: TECE 364

C: TEPP 362

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECE358-20S2 (D) Semester 2

TECE358-20S2 (C) Semester 2

**TECE 359 Te Reo me nga 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.

C: TEPP 361

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECE359-20YB (D) Full Year B****TECE359-20YB (C) Full Year B****TECE 361 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.

C: TEPP 361

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECE361-20YB (C) Full Year B****TECE361-20YB (D) Full Year B****TECE 362 Curriculum 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.

C: TEPP 361

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECE362-20YB1 (C) Year B First Half****TECE362-20YB1 (D) Year B First Half****TECE 364 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.

C: TEPP 361

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECE364-20YB1 (C) Year B First Half****TECE364-20YB1 (D) Year B First Half****TECE 365 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.

P: TECE 364

C: TEPP 362

R: TECE 356

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECE365-20S2 (C) Semester 2****TECE365-20S2 (D) Semester 2****TECM 101 Te Reo me nga 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 āna tikanga appropriate for use in learning contexts and educational settings.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECM101-20SU1 (D) Summer (Jan 20)****TECM101-20YC1 (C) Year C First Half****TECM101-20YC1 (D) Year C First Half****TECM 201 Te reo me nga Āhuatanga Māori 2**

15 Points 0.1250 EFTS

This course will contribute to an understanding of the importance of bilingual and bicultural education environments, and how teachers can work effectively within these. Students will

gather information from relevant research and pedagogies to develop and strengthen early childhood programmes and classroom knowledge honouring the principles of Te Tiriti o Waitangi, and will learn how to develop and foster collaborative teaching and learning within a bicultural/ Te Tiriti based curriculum. This course is designed to help you build on your knowledge base of learning te reo me nga āhuatanga Māori and your critical pedagogical thinking skills in terms of working within a bicultural curriculum frameworks. You will continue to: Critique your own world view(s); and Broaden your skills and knowledge of te reo Māori me nga āhuatanga Māori, articulating their relevance to the early childhood and primary sectors.

P: TECM 101

R: TEPI 220 and TEPI 221

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECM201-20YC1 (C) Year C First Half****TECM201-20YC1 (D) Year C First Half****TECM 301 Te Reo me nga Āhuatanga Māori 3**

15 Points 0.1250 EFTS

This course will allow students to be prepared and resourced as co-learners and teachers of te reo Māori me nga tikanga ā-iwi in early childhood settings, and to have strategies and skills in planning for and resourcing themselves as teachers within Tiriti based early childhood settings.

P: TECM 201

R: EDM1 363, TECE 301

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECM301-20YC1 (C) Year C First Half****TECM301-20YC1 (D) Year C First Half****TECP 112 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP112-20YC1 (C) Year C First Half****TECP112-20YC1 (D) Year C First Half****TECP 113 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP113-20YC2 (C) Year C Second Half****TECP113-20YC2 (D) Year C Second Half****TECP 122 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP122-20YC2 (C) Year C Second Half****TECP122-20YC2 (D) Year C Second Half****TECP 202 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.

Domestic Fee: \$777 (2019)  
International Fee: \$3,375 (2019)

**TECP202-20YC1 (C)** Year C First Half  
**TECP202-20YC1 (D)** Year C First Half

### TECP 212 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: TECP 112 and TECP 122.

R: TECP 220, TECP 210

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP212-20YC2 (C)** Year C Second Half  
**TECP212-20YC2 (D)** Year C Second Half

### TECP 222 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP222-20YC2 (C)** Year C Second Half  
**TECP222-20YC2 (D)** Year C Second Half

### TECP 223 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 PITER 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/PITER-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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP223-20YC1 (C)** Year C First Half  
**TECP223-20YC1 (D)** Year C First Half

### TECP 313 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: TECP 212

R: TECP 310

EQ: TECP 310

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP313-20YC1 (C)** Year C First Half  
**TECP313-20YC1 (D)** Year C First Half

### TECP 315 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: Students must have completed a minimum of 90 credits from the Year 2 BTChLn(Primary) or BTChLn(Early Childhood) Schedule including all Year 2 Professional Practice and Professional Inquiry courses.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP315-20YC2 (C)** Year C Second Half  
**TECP315-20YC2 (D)** Year C Second Half

### TECP 316 Te Ao Māori/ Matauranga 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: Students must have completed a minimum of 90 credits from the Year 2 Schedule including both Year 2 Professional Practice and Professional Inquiry courses and TECM 101.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP316-20YC2 (C)** Year C Second Half  
**TECP316-20YC2 (D)** Year C Second Half

### TECP 317 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: Students must have completed a minimum of 90 credits from the Year 2 Schedule including both Year 2 Professional Practice and Professional Inquiry courses.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP317-20YC2 (D)** Year C Second Half

### TECP 318 Research and Inquiry in Action

15 Points 0.1250 EFTS

The course is requires the students to integrate and consolidate the knowledge from their programme of study while also deepening and extending their professional knowledge and skills in one area of interest. 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. Students will experience authentic research through Inquiry where they will share ideas, record links to theory and to best classroom & centre practice. It will also continue to contribute to the development of students' teaching philosophies. Using an Inquiry based approach to research and issue or topic students will be introduced to education research and Inquiry Learning. There is also opportunity for a limited number of students to conduct a more direct personal inquiry involving special projects such as: A comparative investigation during a visit to the UC College of Education's sister institution, Sonoda Women's University, Amagasaki, Japan. Students taking this option are eligible to apply for a scholarship administered by Hyogo University Mobility in Asia and the Pacific (HUMAP)

P: Students must have completed a minimum of 90 credits from the Year 2 Schedule including both Year 2 Professional Practice and Professional Inquiry courses

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP318-20YC2 (C)** Year C Second Half  
**TECP318-20YC2 (D)** Year C Second Half

### TECP 319 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/whanau to participate in New Zealand society in ecologically sustainable ways.

P: Students must have completed a minimum of 90 credits from the Year 2 Schedule including both Year 2 Professional Practice and Professional Inquiry courses

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TECP319-20YC2 (C)** Year C Second Half  
**TECP319-20YC2 (D)** Year C Second Half



**TECP 331 English Literacy and Mathematics Education 1**

15 Points 0.1250 EFTS

The course provides pre-service teachers with an introduction to English and Mathematics Education, key Learning Areas of the New Zealand Curriculum (2007). The development of literacy and numeracy skills is essential as a basis for all subject knowledge and teachers must have the knowledge and skills to design effective learning experiences in these areas. They must be able to critically evaluate current English literacy and Mathematics practice across all levels of primary education. Every teacher requires the skills and knowledge to make it possible for children to understand, clarify, problem solve, test hypotheses and communicate in appropriate ways. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary), including Professional Practice.

P: Admission to the GradDipTchLn(Primary)

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECP331-20X (D) 03 Feb 2020 - 28 June 2020

TECP331-20Yc1 (C) Year C First Half

**TECP 332 English Literacy and Mathematics Education 2**

15 Points 0.1250 EFTS

This course continues to focus on the development of literacy and numeracy skills with an emphasis on more specific assessment (including nationally developed monitoring tools), evaluation and planning. Topics such as meeting the needs of diverse learners, engaging students with texts, critical literacies, effective mathematical pedagogies and the New Zealand Number Framework will be explored in greater depth. Following professional experiences in schools, students will be encouraged to reflect on their own classroom practice and that of others. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary), including Professional Practice.

P: TECP 331

R: TECP 360, TECP 370

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECP332-20Yc2 (C) Year C Second Half

TECP332-20Yc2 (D) Year C Second Half

**TECP 333 Future Focussed Education: Science, Technology, Digital Literacy**

15 Points 0.1250 EFTS

This course for pre-service teachers is designed to develop a rationale, philosophy and pedagogy of teaching Science, Technology and Digital Literacy/citizenship in the New Zealand. 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. Future-focussed themes and issues that integrate digital literacy, technologies and citizenship, are used to explore the Nature of Science and Technology through engagement in authentic contexts. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary), including Professional Practice.

P: Admission to the GradDipTchLn(Primary)

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECP333-20X (D) 03 Feb 2020 - 28 June 2020

TECP333-20Yc1 (C) Year C First Half

**TECP 334 Community-Based Approaches in Education: Health, Physical Education and Social Sciences**

15 Points 0.1250 EFTS

This course provides pre-service teachers with an introduction to the conceptual and structural frameworks in the New Zealand Curriculum (2007) in the Health, Physical Education and Social Sciences Learning Areas with a particular emphasis placed on well-informed practical application. A community based emphasis provides participants with a local context to explore key concepts and issues in authentic community settings. Course content will demonstrate the College's commitment to upholding Te Tiriti o Waitangi and Te reo me nga tikanga Māori and the Ministry of Education's Pasifika Education Strategy. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary)

P: Admission to the GradDipTchLn(Primary)

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECP334-20Yc2 (C) Year C Second Half

TECP334-20Yc2 (D) Year C Second Half

**TECP 335 Creative Action and Response in Education: The Arts**

15 Points 0.1250 EFTS

This course provides pre-service teachers with an introduction to the theory and practice of fostering creative action and response in education within the context of teaching the New Zealand Curriculum learning area 'The Arts' in primary and intermediate schools. Each of the four arts disciplines (i.e. Music-Sound Arts, Visual Arts, Dance and Drama) will be critically examined in terms of pedagogical and subject content knowledge, and current research related to the development of creativity within an Arts education context explored, to enable participants to design and implement relevant, research-informed, culturally inclusive Arts programmes in schools. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary), including Professional Practice.

P: Admission to the GradDipTchLn(Primary)

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECP335-20Yc2 (C) Year C Second Half

TECP335-20Yc2 (D) Year C Second Half

**TECS 395 Specialist Curriculum Studies Years 7-13**

30 Points 0.2500 EFTS

In this course, student will engage with documentation, practices and research relating to their specialist teaching area in secondary schools. Specialist Curriculum Studies links directly to designing teaching for the learning areas of the New Zealand curriculum and to school programmes in New Zealand secondary schools. This course focuses on critical analysis of curriculum documents; application of the principles of assessment and evaluation to the specific learning area; planning and management of the learning environment; developing teaching sequences to meet the needs of diverse students in alignment with curriculum statements; and developing curriculum resources and assessment practices for NCEA requirements, in a specialist learning area.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

TECS395-20YB (C) Full Year B

**TECS 396 Additional Curriculum Subject Years 7-10 (1)**

15 Points 0.1250 EFTS

Additional Curriculum Studies enable students to broaden their teaching expertise to include an additional learning area of the New Zealand Curriculum. Additional Curriculum Studies links directly to designing teaching for the learning areas of the New Zealand curriculum and to school programmes in New Zealand secondary schools. This course focuses on critical analysis of curriculum documents; application of the principles of assessment and evaluation to the specific learning area; planning and management of the learning environment; developing teaching sequences to meet the needs of diverse students in alignment with curriculum statements; and developing curriculum resources and assessment practices for Yrs 7-10 in an additional special learning area. Pre-service teachers will develop pedagogical and assessment practices and apply them to designing learning for diverse students in a particular learning area. They will develop skills to plan, evaluate and refine teaching and learning sequences, focusing on learners in Years 7 to 10.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECS396-20YB1 (C) Year B First Half

**TECS 397 Additional Curriculum Subject Years 11-13**

15 Points 0.1250 EFTS

Additional Curriculum Studies enable students to broaden their teaching expertise to include an additional learning area of the New Zealand Curriculum. Additional Curriculum Studies links directly to designing teaching for the learning areas of the New Zealand curriculum and to school programmes in New Zealand secondary schools. This course focuses on critical analysis of curriculum documents; application of the principles of assessment and evaluation to the specific learning area; planning and management of the learning environment; developing teaching sequences to meet the needs of diverse students in alignment with curriculum statements; and developing curriculum resources and assessment practices for Yrs 11-13 in an additional special learning area. Pre-service teachers will develop pedagogical and assessment practices and apply them to designing learning for diverse students in a particular learning area. They will develop skills to plan, evaluate and refine teaching and learning sequences, focusing on learners in Years 11-13 as it applies to NCEA.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECS397-20S2 (C) Semester 2

**TECS 398 Additional Curriculum Subject Years 7-10 (2)**

15 Points 0.1250 EFTS

Additional Curriculum Studies enable students to broaden their teaching expertise to include an additional learning area of the New Zealand Curriculum. Additional Curriculum Studies links directly to designing teaching for the learning areas of the New Zealand curriculum and to school programmes in New Zealand secondary schools. This course focuses on critical analysis of curriculum documents; application of the principles of assessment and evaluation to the specific learning area; planning and management of the learning environment; developing teaching sequences to meet the needs of diverse students in alignment with curriculum statements; and developing curriculum resources and assessment practices for Yrs 7-10 in an additional special learning area. Pre-service teachers will develop pedagogical and assessment practices and apply them to designing learning for diverse students in a particular learning area. They will develop skills to plan, evaluate and refine teaching and learning sequences, focusing on learners in Years 7 to 10.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TECS398-20YB1 (C) Year B First Half

**TEDU 105 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEDU105-20Yc2 (C) Year C Second Half

TEDU105-20Yc2 (D) Year C Second Half

**TEDU 110 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: EDUC 102, EDUC 152, TEDU 150, TEDU 102

EQ: EDUC 102

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEDU110-20S1 (C)** Semester 1

**TEDU110-20S1 (D)** Semester 1

### TEDU 111 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: EDUC 103, EDUC 156

EQ: EDUC 103

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEDU111-20S2 (C)** Semester 2

**TEDU111-20S2 (D)** Semester 2

### TEDU 201 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEDU201-20YC1 (C)** Year C First Half

**TEDU201-20YC1 (D)** Year C First Half

### TEDU 206 Inclusive Education in Early Childhood/Te Aotūroa Tataki

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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEDU206-20YC2 (C)** Year C Second Half

**TEDU206-20YC2 (D)** Year C Second Half

### TEDU 301 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEDU301-20YC2 (C)** Year C Second Half

**TEDU301-20YC2 (D)** Year C Second Half

### TEDU 305 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEDU305-20YC1 (C)** Year C First Half

**TEDU305-20YC1 (D)** Year C First Half

### TEPI 101 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPH01-20YC1 (C)** Year C First Half

**TEPH01-20YC1 (D)** Year C First Half

**TEPH01-20YC1 (N)** Year C First Half

### TEPI 105 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI105-20YC2 (D)** Year C Second Half

**TEPI105-20YC2 (C)** Year C Second Half

### TEPI 205 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: TEPI 105

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI205-20YC1 (C)** Year C First Half

**TEPI205-20YC1 (D)** Year C First Half

### TEPI 206 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 parents and the ability to assist parents help their own children in these areas.

P: TEPI 205

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI206-20YC2 (C)** Year C Second Half

**TEPI206-20YC2 (D)** Year C Second Half

### TEPI 222 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: TEPP 102

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI222-20YC2 (C)** Year C Second Half

**TEPI222-20YC2 (D)** Year C Second Half

**TEPI222-20YC2 (R)** Year C Second Half

**TEPI222-20YC2 (N)** Year C Second Half

**TEPI 230 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: TEPI 105 (ECE) or TEPP 102 (Primary)

R: TEPP 205

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI230-20YC1 (C)** Year C First Half**TEPI230-20YC1 (D)** Year C First Half**TEPI 305 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: TEPI 206

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI305-20YC1 (C)** Year C First Half**TEPI305-20YC1 (Y)** Year C First Half**TEPI305-20YC1 (D)** Year C First Half**TEPI 306 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI306-20YC2 (C)** Year C Second Half**TEPI306-20YC2 (D)** Year C Second Half**TEPI306-20YC2 (Y)** Year C Second Half**TEPI 320 Professional Inquiry and Te Reo me ngā Āhuetanga 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 āhuetanga Māori.

P: TEPI 222 and TECM 201

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI320-20YC1 (C)** Year C First Half**TEPI320-20YC1 (D)** Year C First Half**TEPI320-20YC1 (N)** Year C First Half**TEPI320-20YC1 (R)** Year C First Half**TEPI 321 Professional Inquiry and Te Reo me ngā Āhuetanga 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: TEPI 320

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI321-20YC2 (C)** Year C Second Half**TEPI321-20YC2 (D)** Year C Second Half**TEPI321-20YC2 (N)** Year C Second Half**TEPI321-20YC2 (R)** Year C Second Half**TEPI 331 Professional and Educational Studies 1**

30 Points 0.2500 EFTS

This course provides pre-service teachers with an introduction to the New Zealand Education System and New Zealand Curriculum (2007). Culturally responsive pedagogies and learning design are explored within the context of learning theory, child development, and evidence-based teaching practices involving school visits, a Treaty of Waitangi workshop and Noho Marae experience. Students critically reflect on their beliefs, understandings and practices to develop greater awareness of the way their ontology may impact teaching and learning. The course will prepare students for the associated Professional Practice course (TEPP331) and also complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary).

P: Admission to the GradDipTchLn(Primary);

C: TEPP 331

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**TEPI331-20X (D)** 03 Feb 2020 - 28 June 2020**TEPI331-20YC1 (C)** Year C First Half**TEPI 332 Professional and Educational Studies 2**

15 Points 0.1250 EFTS

This course builds upon TEPI331 Professional and Educational Studies 1. It is a learner focussed study with experiences and tasks that extend students' understandings towards becoming successful beginning teachers. The course incorporates the principles and practice of planning, assessment, evaluation and reporting and explores the links between professional practice experiences and established educational theory. Pedagogical models, curriculum integration, the diverse needs of children and learning environments are explored within these contexts. Students will experience, as well as learn about, authentic inquiry-based learning and associated pedagogies, and 'teaching as inquiry' models. These experiences will further develop participant's personal teaching philosophy. 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 (Primary).

P: TEPI 331 only

C: TEPP 331 or TEPP 332

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI332-20YC2 (C)** Year C Second Half**TEPI332-20YC2 (D)** Year C Second Half**TEPI 333 Ngā Āhuetanga Māori and Learning Languages**

15 Points 0.1250 EFTS

This course provides pre-service teachers with a theoretical and practical framework for language teaching and learning. The course develops the knowledge, confidence, skills, attitudes and dispositions needed to successfully plan, teach and evaluate programmes for language learning, including te reo Māori, international languages, Pasifika languages, English as an Additional Language, and New Zealand Sign Language. It also develops students' awareness of Māori culture, the rich cultural heritages of Aotearoa New Zealand, and responsive teaching practices that take account of learners' cultural and linguistic diversity. Students will be introduced to theories, resources, and pedagogical strategies appropriate to the teaching of languages and cultures. The course will also develop students' own competency in te reo Māori, and endorse their responsibilities as teachers for the promotion and protection of te reo Māori me ngā āhuetanga katoa in New Zealand schools. The course will complement learning in other courses in the Graduate Diploma of Teaching and Learning (Primary).

P: Admission to the GradDipTchLn(Primary)

R: TECP 350

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI333-20X (D)** 03 Feb 2020 - 28 June 2020**TEPI333-20YC1 (C)** Year C First Half**TEPI 351 Professional Inquiry 1**

15 Points 0.1250 EFTS

This course will guide students in the development of a professional framework for their work with children, families, whanau and colleagues. It will examine the role of the early childhood teacher, professional relationships, graduating teacher standards, and reflection as a key component of being a teacher and will provide the links between teaching and learning theory and practice

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI351-20YB1 (D)** Year B First Half**TEPI 352 Professional Inquiry 2**

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.

P: TEPI 351

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TEPI352-20S2 (D)** Semester 2

**TEPI 361 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: TEPP 361

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPI361-20YB1 (C) Year B First Half

TEPI361-20YB1 (D) Year B First Half

**TEPI 362 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 whanau.

P: TEPI 361 and TEPP 361

C: TEPP 362

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPI362-20S2 (C) Semester 2

TEPI362-20S2 (D) Semester 2

**TEPI 370 Professional and Educational Studies 1**

30 Points 0.2500 EFTS

This course provides the foundational principles for teaching and learning in secondary schools within the socio-political, cultural and historical context of the New Zealand education system. Students will critically engage with developmental, philosophical, ethical, professional and policy frameworks related to current educational fix issues that support inclusive and culturally responsive educational settings for diverse learners, while critically examining their own values, beliefs, attitudes and knowledge. The course includes a Noho Marae experience and Treaty of Waitangi workshop.

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

TEPI370-20YB1 (C) Year B First Half

**TEPI 371 Professional and Educational Studies 2**

15 Points 0.1250 EFTS

This course is an advance of Professional and Educational Studies 1 that is completed by all students. The emphasis is on becoming a professional teacher who can take account of problems that are often social, political and ethical in nature. It includes skill development in teaching: planning, classroom management, questioning skills, learning theories and multiple approaches to teaching using multimedia strategies and tools.

P: TEPI 370, TEPP 370

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPI371-20S2 (C) Semester 2

**TEPI 399 Ngā Rautaki Whakaako Reo me ngā Tikanga**

15 Points 0.1250 EFTS

Nga rautaki whakaako reo me nga tikanga will emphasise the importance and uniqueness of actively using cultural knowledge to support Māori in Aotearoa / New Zealand educational settings. It will also prepare students to have an awareness of the ESOL students in their classes and provide some basic skills to help meet the needs of this group of learners.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPI399-20YB (C) Full Year B

**TEPP 102 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPP102-20YC2 (C) Year C Second Half

TEPP102-20YC2 (N) Year C Second Half

TEPP102-20YC2 (D) Year C Second Half

**TEPP 152 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 Professional

Inquiry 1. Associate Teachers assist the College to assess students' developing competence as a teacher.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPP152-20A (D) Starts Anytime

**TEPP 206 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: TEPI 230

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPP206-20A (D) Starts Anytime

TEPP206-20T3 (C) 24 Aug 2020 - 27 Sep 2020

TEPP206-20T3 (D) 24 Aug 2020 - 27 Sep 2020

**TEPP 221 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: TEPI 230, TECM 101

C: TEPI 222

R: TEPP 211

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPP221-20A (D) Starts Anytime

TEPP221-20T3 (R) 24 Aug 2020 - 27 Sep 2020

TEPP221-20T3 (D) 24 Aug 2020 - 27 Sep 2020

TEPP221-20T3 (C) 24 Aug 2020 - 27 Sep 2020

TEPP221-20T3 (N) 24 Aug 2020 - 27 Sep 2020

**TEPP 252 Professional Practice 2**

15 Points 0.1250 EFTS

This course provides students with opportunities to progress towards the demonstration of 200-level competencies and professional qualities. The course is closely linked to Professional Inquiry 1. Associate Teachers assist the College to assess students' developing competence as a teacher.

P: TEPP 152

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPP252-20A (D) Starts Anytime

**TEPP 305 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: TEPP 206

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPP305-20A (D) Starts Anytime

TEPP305-20T1 (C) 09 Mar 2020 - 12 Apr 2020

TEPP305-20T1 (D) 09 Mar 2020 - 12 Apr 2020

TEPP305-20T1 (Y) 09 Mar 2020 - 12 Apr 2020

**TEPP 306 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 the College to assess students' developing competence as a teacher.

P: TEPP 305

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TEPP306-20A (D) Starts Anytime

TEPP306-20T3 (C) 20 July 2020 - 23 Aug 2020

TEPP306-20T3 (Y) 20 July 2020 - 23 Aug 2020

TEPP306-20T3 (D) 20 July 2020 - 23 Aug 2020

**TEPP 320 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: TEPI 222 and TEPP 221

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP320-20A (D)</b>	<b>Starts Anytime</b>
<b>TEPP320-20T1 (C)</b>	<b>09 Mar 2020 - 12 Apr 2020</b>
<b>TEPP320-20T1 (D)</b>	<b>09 Mar 2020 - 12 Apr 2020</b>
<b>TEPP320-20T1 (R)</b>	<b>09 Mar 2020 - 12 Apr 2020</b>
<b>TEPP320-20T1 (N)</b>	<b>09 Mar 2020 - 12 Apr 2020</b>

**TEPP 321 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.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP321-20A (D)</b>	<b>Starts Anytime</b>
<b>TEPP321-20T3 (C)</b>	<b>20 July 2020 - 23 Aug 2020</b>
<b>TEPP321-20T3 (D)</b>	<b>20 July 2020 - 23 Aug 2020</b>
<b>TEPP321-20T3 (R)</b>	<b>20 July 2020 - 23 Aug 2020</b>
<b>TEPP321-20T3 (N)</b>	<b>20 July 2020 - 23 Aug 2020</b>

**TEPP 331 Professional Practice 1**

15 Points 0.1250 EFTS

This first practicum course provides an intensive school-based opportunity for students to interact with and observe a range of teachers in a primary or intermediate school, and then work collaboratively with one mentor/associate teacher for a prolonged period of time. Students will observe, plan, teach, manage and assess student learning and then evaluate / critically appraise and reflect on their professional development. Teaching experiences will progress from working with small groups to full class, with the students taking increasing responsibility, with support and guidance, for daily programme /class management as the placement progresses. These experiences and the associated documentation, in conjunction with mentor/lecturer observations, will provide formative feedback in relation to the students developing knowledge, skill and practices, identify emergent needs, and enable summative assessment in relation to 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)

C: TEPI 331 and TECP 331.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP331-20T2 (C)</b>	<b>04 May 2020 - 21 June 2020</b>
<b>TEPP331-20T2 (D)</b>	<b>04 May 2020 - 21 June 2020</b>
<b>TEPP331-20T4 (D)</b>	<b>07 Sep 2020 - 08 Nov 2020</b>

**TEPP 332 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: TEPI 331 and TECP 331 and TEPP 331

C: TEPI 332 and TECP 332

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP332-20A (C)</b>	<b>Starts Anytime</b>
<b>TEPP332-20T2 (D)</b>	<b>04 May 2020 - 21 June 2020</b>
<b>TEPP332-20T4 (C)</b>	<b>07 Sep 2020 - 08 Nov 2020</b>
<b>TEPP332-20T4 (D)</b>	<b>07 Sep 2020 - 08 Nov 2020</b>

**TEPP 352 Professional Practice 3**

15 Points 0.1250 EFTS

This course provides students with opportunities to demonstrate 300-level competencies and professional qualities. The course is closely linked to Professional Inquiry 2. Associate Teachers assist the College to assess students' developing competence as a teacher.

P: TEPP 252, TECE 357 and TEPI 351

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP352-20A (C)</b>	<b>Starts Anytime</b>
<b>TEPP352-20A (D)</b>	<b>Starts Anytime</b>

**TEPP 361 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: TEPI 361, TECE 361, TECE 362, TECE 364 and TECE 359

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP361-20A (C)</b>	<b>Starts Anytime</b>
<b>TEPP361-20X (C)</b>	<b>10 Feb 2020 - 28 June 2020</b>
<b>TEPP361-20X (D)</b>	<b>10 Feb 2020 - 28 June 2020</b>

**TEPP 362 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: TEPP 361 and TEPI 361

C: TEPI 362, TECE 358 and TECE 365

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP362-20A (C)</b>	<b>Starts Anytime</b>
<b>TEPP362-20T3 (C)</b>	<b>31 Aug 2020 - 01 Nov 2020</b>
<b>TEPP362-20T3 (D)</b>	<b>31 Aug 2020 - 01 Nov 2020</b>

**TEPP 370 Teaching Practice 1**

15 Points 0.1250 EFTS

This course provides an intensive school-based opportunity for students to observe, plan and teach lessons in a secondary school setting. Students are expected to plan, prepare, teach and evaluate part lessons, progressing to a short sequence of whole lessons. The focus is on foundational teaching skills such as communicating clear instructions and explanations, preventative class management, setting up class activities, and relating to pupils in the class. As the teaching practice experience progresses, the students are expected to 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 take an increased responsibility for class management including corrective management of students. Students are expected to develop and maintain a portfolio that includes evidence of reflection on their teaching experiences. Expected outcomes are described as a set of competencies that are assessed by associate teachers and college lecturers.

C: TEPI 370

R: EDTP 306

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP370-20A (C)</b>	<b>Starts Anytime</b>
<b>TEPP370-20T2 (C)</b>	<b>04 May 2020 - 21 June 2020</b>
<b>TEPP370-20T3 (C)</b>	<b>10 Aug 2020 - 27 Sep 2020</b>

**TEPP 371 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: TEPP 370

C: TEPI 371

R: EDTP 307

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

<b>TEPP371-20A (C)</b>	<b>Starts Anytime</b>
<b>TEPP371-20T2 (C)</b>	<b>04 May 2020 - 21 June 2020</b>
<b>TEPP371-20T3 (C)</b>	<b>10 Aug 2020 - 27 Sep 2020</b>



# Te Reo Māori

*Aotahi: School of Māori and Indigenous Studies*

## TREO 110 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, idiom, including a variety from Ngāi Tahu, how to introduce themselves, express family relationships and the course will enable them 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: MAOR 105, MAOR 110, MAOR 111, MAOR 112, MAOR 115, MAOR 124, MAOR 125

Domestic Fee: \$761 (2019)

International Fee: \$3,188 (2019)

**TREO110-19SU2 (C) Summer (Nov 19)**

**TREO110-20S1 (C) Semester 1**

**TREO110-20S2 (C) Semester 2**

*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 TREO 111, TREO 112, TREO 180, TREO 260, TREO 280, TREO 360 or TREO 380 cannot subsequently be credited with 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, which will be granted only if the course is appropriate to the level of competence of the student*

## TREO 111 Te Reo: Te Kākano - Introductory Language 1

15 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, Whakatauki and kiwaha, 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.

P: TREO 110 or placement test. Students wishing to enter TREO 111 must have a basic knowledge of te reo Māori including an understanding of correct pronunciation, basic greetings, days of the week, parts of the body etc. Students that are more competent in te reo Māori should complete a placement test to assess their level.

R: MAOR 105, MAOR 110, MAOR 111, MAOR 115, MAOR 124, MAOR 125

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TREO111-20S1 (C) Semester 1**

## TREO 112 Te Reo: Te Kākano - Introductory Language 2

15 Points 0.1250 EFTS

A second level beginners' course in te reo Māori for those who have completed TREO 111 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 Whakatauki and kiwaha including some of those from Ngāi Tahu.

P: TREO 111, or 18 credits in NCEA Te Reo Māori level 1, mostly excellence, or by placement test.

R: MAOR 106, MAOR 110, MAOR 112, MAOR 115, MAOR 125, MAOR 126

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TREO112-20S2 (C) Semester 2**

## TREO 180 He Wānanga Reo - Immersion 1

15 Points 0.1250 EFTS

A course intended for students who have a beginner's knowledge of te reo Māori. Set in a total immersion situation, students actively engage with level 2 students in a tuakana/taina based environment to actively promote the conversational use of language skills that have been learnt in previous language courses. Students will extend their abilities in a range of basic conversational situations, and in listening to a range of speakers. Appropriate waiata, karakia, Whakatauki and kiwaha will form the basis of the course while language games and interactive activities will accentuate the student's language knowledge. Students must have already attained a beginner's level of te reo Māori at a tertiary level to enrol in this course. The course may also include a 3 day wānanga reo at a local marae.

P: Subject to approval of the Head of School.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TREO180-20SU1 (C) Summer (Jan 20)**

## TREO 260 Te Reo: Te Pihinga - Intermediate Language

45 Points 0.3750 EFTS

An intermediate level course in te reo Māori for those who have completed TREO 112 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. You will also learn how to apply information about significant Ngāi Tahu elders and local runanga.

P: TREO 112, or 18 credits NCEA Te Reo Rangatira level 1, or placement test.

R: MAOR 260

EQ: MAOR 260

Domestic Fee: \$2,330 (2019)

International Fee: \$10,125 (2019)

**TREO260-20W (C) Whole Year (\$1 and \$2)**

## TREO 280 He Wānanga Reo - Immersion 2

15 Points 0.1250 EFTS

A course targeted at students who have an intermediate competency in speaking te reo Māori. Set in a total immersion environment, students actively engage with level 1 students in a tuakana/taina based environment to actively promote the conversational use of language skills that have been learnt in previous language courses. Students will extend their abilities in a range of conversational situations, and in listening to a range of speakers. Appropriate waiata, karakia, whakatauki and kiwaha will form the basis of the course while language games and interactive activities will accentuate the student's language knowledge. Students must have already attained an intermediate level of te reo Māori at a tertiary level to successfully participate in this course. The course may also include a 3 day wānanga reo at a local marae.

P: TREO 260 or equivalent.

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TREO280-20SU1 (C) Summer (Jan 20)**

## TREO 282 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-ringā (action song), haka and the art of warfare and mau rākau (weaponry - tī rākau, 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: MAOR 265, MAOR 282, TREO 382, MUSA 252

EQ: MAOR 282, MUSA 252

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TREO282-20S2 (C) Semester 2**

## PACE 395 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](http://www.arts.canterbury.ac.nz/internships)

P: 150 points, special application and interview, and permission of the Internship Director.

R: ARTS 395

EQ: ARTS 395

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**PACE395-20A (C) Starts Anytime**

**PACE395-20S1 (C) Semester 1**

**PACE395-20S2 (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.*

## TREO 320 Te Reo Ora: Māori and Indigenous Language Revitalisation

30 Points 0.2500 EFTS

**Not offered in 2020**

Māori language plays an important role in expressing Māori cultural identity. This course contextualises identity needs within a historical and contemporary analysis of the Māori language revitalisation movement and endangered language studies worldwide.

P: TREO 260, or 20 credits NCEA Te Reo Rangatira Level 2, or placement test.

## TREO 323 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: TREO 260 and permission of the Head of School

Domestic Fee: \$1,553 (2019)

International Fee: \$6,750 (2019)

**TREO323-20S2 (C) Semester 2**

**TREO 360 Te Reo: Te Mahuri: Advanced Māori Language**

60 Points 0.5000 EFTS

An advanced level course in te reo Māori for those who have completed TREO 260 or who have recognised prior learning. 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 ancient 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: TREO 260, or 20 credits NCEA Te Reo Rangatira Level 2, or placement test.

EQ: MAOR 360

Domestic Fee: \$3,107 (2019)

International Fee: \$13,500 (2019)

**TREO360-20W (C) Whole Year (S1 and S2)****Tāura | Postgraduate**

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

**TREO 401 Te Reo: Te Kōhure**

30 Points 0.2500 EFTS

Te Kohure is a fourth year advanced level course in te reo Māori. The course is taught in Māori and is based around the Te Kohure textbook in the Te Whanake language programme. Mā te reo Māori ngā mahi a te karaehe nei e kawē 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 kōrero tuku iho pēnei i te whakatauki, kiwaha 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: MAOR 408, EDEM 660

EQ: MAOR 408, EDEM 660

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**TREO401-20S2 (C) Semester 2****TREO 403 He Wānanga**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 wānanga to discuss, develop and shape work in their chosen fields.

P: Subject to approval of the Head of School.

**TREO 404 Mahi-a-Rēhia**

30 Points 0.2500 EFTS

This course examines the texts, style and purpose of ngā mahi ā-rēhia (Māori performance and composition). The course will enhance the ability of students to transcribe, translate and annotate traditional Māori poetry, prose, invocations and song, while teaching them to compose and perform works to a high level.

P: Subject to approval of the Head of School.

R: MAOR 405

EQ: MAOR 405

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**TREO404-20S1 (C) Semester 1****TREO 405 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, wānanga 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: EDEM 657, EDHP 702

EQ: EDEM 657, EDHP 702

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**TREO405-20S2 (C) Semester 2****TREO 406 Special Topic: Ngā Tuhinga Tuaiho: Manuscripts in Māori**

30 Points 0.2500 EFTS

**Not offered in 2020**

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 wānanga 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: MAOR 415

EQ: MAOR 415

**TREO 407 Waka Huia**

30 Points 0.2500 EFTS

A transcription, translation and annotation project using the School's collection of Waka Huia tapes.

P: Subject to approval of the Head of School.

R: MAOR 416

EQ: MAOR 416

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**TREO407-20S1 (C) Semester 1****TREO 480 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**TREO480-20S2 (C) Semester 2****TREO 590 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.

Domestic Fee: \$5,267 (2019)

International Fee: \$23,025 (2019)

**TREO590-20A (C) Starts Anytime****TREO590-20W (C) Whole Year (S1 and S2)****TREO 591 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.

Domestic Fee: \$3,511 (2019)

International Fee: \$15,350 (2019)

**TREO591-20A (C) Starts Anytime****TREO591-20W (C) Whole Year (S1 and S2)****TREO 592 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.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

**TREO592-20S1 (C) Semester 1****TREO 593 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.

Domestic Fee: \$1,756 (2019)

International Fee: \$7,675 (2019)

**TREO593-20S2 (C) Semester 2****TREO 595 Tuhinga Pākenga - 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.

Domestic Fee: \$5,651 (2019)

International Fee: \$23,025 (2019)

**TREO595-20A (C) Starts Anytime**

### TREO 690 MA Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**TREO690-20A (C) Starts Anytime**

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

### TREO 790 Te Reo Māori PhD

120 Points 1.0000 EFTS

Te Reo Māori PhD

P: Subject to approval of the Head of Department.

Domestic Fee: \$7,022 (2019)

International Fee: \$30,700 (2019)

**TREO790-20A (C) Starts Anytime**

## Tāunakitanga | Transitions

*Tāunaki Ākonga | Student Transitions and Engagement*

### TRNS 001 Academic Writing and Study Skills

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: PREP 001, BRDG 006

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TRNS001-20B1 (C) Bridging 1**  
**TRNS001-20B1 (D) Bridging 1**  
**TRNS001-20B2 (C) Bridging 2**  
**TRNS001-20B2 (D) Bridging 2**  
**TRNS001-20B3 (C) Bridging 3**  
**TRNS001-20B3 (D) Bridging 3**

### TRNS 002 Te Uku: Perspectives on the history and political expansions of Aotearoa and the Pacific

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: BRDG 035

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TRNS002-20B1 (C) Bridging 1**  
**TRNS002-20B2 (C) Bridging 2**  
**TRNS002-20B2 (D) Bridging 2**  
**TRNS002-20B3 (C) Bridging 3**  
**TRNS002-20B3 (D) Bridging 3**

### TRNS 003 An 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: BRDG 011 and BRDG 034

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TRNS003-20B1 (C) Bridging 1**  
**TRNS003-20B2 (C) Bridging 2**  
**TRNS003-20B2 (D) Bridging 2**  
**TRNS003-20B3 (C) Bridging 3**  
**TRNS003-20B3 (D) Bridging 3**

### TRNS 004 Teacher Education and Educational Studies

15 Points 0.1250 EFTS

In this course students will gain a basic understanding of the nature and purpose of education, both in general and in the specific Aotearoa New Zealand context, and of what factors contribute to effective learning and teaching. Students will be introduced to important documents such as the New Zealand Curriculum (2007) and Te Whariki (2017). Issues related to diversity and inclusion in education will be explored with consideration also of the wider contexts in which the education system operates.

P: Subject to approval of the Programme Manager.

R: PREP 018, BRDG 014

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TRNS004-20B1 (C) Bridging 1**  
**TRNS004-20B2 (C) Bridging 2**  
**TRNS004-20B2 (D) Bridging 2**  
**TRNS004-20B3 (C) Bridging 3**  
**TRNS004-20B3 (D) Bridging 3**

### TRNS 005 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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TRNS005-20B1 (C) Bridging 1**  
**TRNS005-20B2 (C) Bridging 2**  
**TRNS005-20B2 (D) Bridging 2**  
**TRNS005-20B3 (C) Bridging 3**  
**TRNS005-20B3 (D) Bridging 3**

### TRNS 006 Chemistry: An introduction to atoms, bonding, and reactions

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: PREP 010, BRDG 023

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TRNS006-20B1 (C) Bridging 1**  
**TRNS006-20B2 (C) Bridging 2**  
**TRNS006-20B2 (D) Bridging 2**  
**TRNS006-20B3 (C) Bridging 3**  
**TRNS006-20B3 (D) Bridging 3**

### TRNS 007 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 MATH 101: Methods of Mathematics.

P: Subject to approval of the Programme Manager.

R: BRDG 015, FOUN 046, BRDG 018, BRDG 016

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**TRNS007-20B1 (C) Bridging 1**  
**TRNS007-20B2 (C) Bridging 2**  
**TRNS007-20B2 (D) Bridging 2**  
**TRNS007-20B3 (C) Bridging 3**  
**TRNS007-20B3 (D) Bridging 3**

**TRNS 008 Fundamental 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: Subject to approval of the Programme Manager. Students enrolling in this course need familiarity with algebra. Recommended course TRNS 007 or BRDG 016.

R: FOUN 060, BRDG 024

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TRNS008-20B1 (C)	Bridging 1
TRNS008-20B2 (C)	Bridging 2
TRNS008-20B2 (D)	Bridging 2
TRNS008-20B3 (C)	Bridging 3
TRNS008-20B3 (D)	Bridging 3

**TRNS 009 An Introduction to Statistics and Probability**

15 Points 0.1250 EFTS

This 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, STAT 101.

P: Subject to approval of the Programme Manager.

R: PREP 005, BRDG 019

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TRNS009-20B1 (C)	Bridging 1
TRNS009-20B2 (C)	Bridging 2
TRNS009-20B2 (D)	Bridging 2
TRNS009-20B3 (C)	Bridging 3
TRNS009-20B3 (D)	Bridging 3

**TRNS 010 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

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TRNS010-20B1 (C)	Bridging 1
TRNS010-20B2 (C)	Bridging 2
TRNS010-20B2 (D)	Bridging 2
TRNS010-20B3 (C)	Bridging 3
TRNS010-20B3 (D)	Bridging 3

**TRNS 011 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: BRDG 028, BRDG 029

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TRNS011-20B1 (C)	Bridging 1
TRNS011-20B2 (C)	Bridging 2
TRNS011-20B2 (D)	Bridging 2
TRNS011-20B3 (C)	Bridging 3
TRNS011-20B3 (D)	Bridging 3

**TRNS 012 An Invitation to Law**

15 Points 0.1250 EFTS

**Not offered in 2020**

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: PREP 016, BRDG 031

**TRNS 013 Special Topic**

15 Points 0.1250 EFTS

P: Subject to approval of the Programme Manager.

R: BRDG 032

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

TRNS013-20B1 (C)	Bridging 1
TRNS013-20B2 (C)	Bridging 2
TRNS013-20B3 (C)	Bridging 3

**TRNS 017 Mathematics with Calculus**

15 Points 0.1250 EFTS

**Not offered in 2020**

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 EMTH 118 and MATH 102.

P: FOUN 046, BRDG 016, or equivalent. Subject to approval of the Programme Manager.

R: FOUN 047, BRDG 017

**MATH 101 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: MATH 199

Domestic Fee: \$780 (2019)

International Fee: \$4,250 (2019)

MATH101-20S1 (C)	Semester 1
MATH101-20S2 (C)	Semester 2

**Translation and Interpreting***Te Kura Mātāpuna Tangata | School of Language, Social and Political Sciences***LANC 401 In Other Words What? Theory and Practice of Translation**

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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

LANC401-20S1 (C)	Semester 1
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**LANC 403 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

LANC403-20S1 (C)	Semester 1
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**LANC 404 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.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

LANC404-20S1 (C)	Semester 1
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**LANC 405 Translation 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.

P: LANC 401, and LANC 403 or LANC 404, and Subject to the approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**LANC405-20S1 (C)** Semester 1**LANC405-20S2 (C)** Semester 2**LANC 406 Translation 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.

P: LANC 401, and LANC 403 or LANC 404, and Subject to the approval of the Head of Department.

Domestic Fee: \$3,768 (2019)

International Fee: \$15,350 (2019)

**LANC406-20S1 (C)** Semester 1**LANC406-20S2 (C)** Semester 2**LANC 407 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 LANC404 will be selected with guidance by a staff member from the relevant language programme and are subject to approval by the MATI Programme Coordinator. Enrolment in the course will follow normal procedures for student exchange at UC.

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

Domestic Fee: \$3,768 (2019)

International Fee: \$15,350 (2019)

**LANC407-20S2 (D)** Semester 2**LANC 480 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 the approval of the Head of Department.

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**LANC480-20S2 (C)** Semester 2

# Transportation Engineering

*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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

**ENTR 401 Fundamentals of Transport Engineering**

15 Points 0.1250 EFTS

A self-study course covering: Transportation planning; Road link theory and design; Intersection analysis and design; Traffic studies; Accident reduction; Sustainable transport planning and design; Pavement design; Road asset management. Please refer to the Director of Transportation Engineering regarding availability.

P: Subject to approval of the Programme Director

R: ENCI 412

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENTR401-20A (C)** Starts Anytime**ENTR401-20W (C)** Whole Year (S1 and S2)**ENTR 602 Accident Reduction and Prevention**

15 Points 0.1250 EFTS

**Not offered in 2020**

Impact on society; data analysis and interpretation; hazardous location identification; problem diagnosis; treatment options; treatment selection; economic appraisal; evaluation.

P: Subject to approval of the Programme Director

**ENTR 603 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.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENTR603-20A (C)** Starts Anytime**ENTR 604 Road Asset Management**

15 Points 0.1250 EFTS

**Not offered in 2020**

Road asset management concepts, levels and functions; data requirements; evaluation of functional and structural performance; intervention criteria; deterioration models; rehabilitation and maintenance strategies and priorities.

P: Subject to approval of the Programme Director.

**ENTR 607 Special Topic in Transport Engineering**

15 Points 0.1250 EFTS

Used for one off courses or individualised study for a student. Please refer to the Director of Transportation Engineering regarding availability.

P: Subject to approval of the Programme Director

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENTR607-20S2 (C)** Semester 2**ENTR 608 Special Topic: Traffic Management and Monitoring**

15 Points 0.1250 EFTS

This course will provide students with a fundamental understanding of traffic network estimation techniques, including control theory, traffic estimation and traffic control techniques using a variety of simulation and software packages. This course is expected to develop student skills to the level where the student understands the theory behind traffic control and can identify, diagnose and manage traffic flow problems.

P: Subject to approval of the Programme Director.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENTR608-20A (C)** Starts Anytime**ENTR 609 Special Topic**

15 Points 0.1250 EFTS

**Not offered in 2020**

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.

**ENTR 610 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.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

**ENTR610-20S1 (C)** Semester 1**ENTR610-20S2 (C)** Semester 2**ENTR 611 Planning and Managing for Transport**

15 Points 0.1250 EFTS

**Not offered in 2020**

Road and transport administration in NZ; Transport legislative environment in NZ; Communication/presentation skills; Public consultation; Traffic surveys; Transport assessment and economics; Demand management and tolling; Construction planning and contract management.

P: Subject to approval of the Programme Director.

**ENTR 612 Transport Policy and System Management**

15 Points 0.1250 EFTS

**Not offered in 2020**

Transport economics; Travel demand management; Transport policy objectives and instruments; Traffic management modelling.

P: Subject to approval of the Programme Director

R: ENTR 601



## Water Resource Management

### ENTR 613 Highway Geometric Design

15 Points 0.1250 EFTS

#### Not offered in 2020

Geometric design context; Human and vehicle factors; Sight distance; horizontal and vertical alignment; Cross-section design; Design plans and checking; Land use access; Signs, markings and delineation; Intersection and interchange design; Major design project.

P: Subject to approval of the Programme Director

### ENTR 614 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

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENTR614-20S2 (C) Semester 2

### ENTR 615 Advanced traffic flow theory and simulation

15 Points 0.1250 EFTS

This course introduces advanced concepts and principles of traffic flow modelling. Participants will also obtain skills in the practical application of traffic simulation software.

P: ENCN 412: traffic engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENTR615-20A (C) Starts Anytime

### ENTR 616 Transport Planning and Modelling

15 Points 0.1250 EFTS

Urban transport planning models; Geographic information systems; Travel demand modelling and prediction; Project appraisal; Advanced traffic/transport modelling.

P: Subject to approval of the Programme Director

R: ENTR 605

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENTR616-20S1 (C) Semester 1

### ENTR 617 Traffic Network Modelling and Optimization

15 Points 0.1250 EFTS

This course reviews and extends the fundamental concepts and principles of good traffic engineering design (as taught at undergraduate level) and applies them to a variety of typical (mainly urban) situations. The course is expected to develop student skills to the level where the student understands the theory behind many aspects of traffic behaviour, and can reasonably identify, diagnose and treat typical traffic engineering problems.

P: ENCN 412: traffic engineering or equivalent

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENTR617-20A (C) Starts Anytime

ENTR617-20S2 (C) Semester 2

### ENTR 618 Transport and Freight Logistics

15 Points 0.1250 EFTS

#### Not offered in 2020

Urban goods movement; Transport/freight logistics; Supply chain management; Planning/design for other transport modes (rail, air, sea).

P: Subject to approval of the Programme Director.

### ENTR 619 Special Topic: Quantitative Techniques for Transport Engineering and Planning

15 Points 0.1250 EFTS

#### Not offered in 2020

This course will focus on the use of quantitative modelling and analysis to solve transportation engineering problems. It will cover principles of optimisation and linear programming; sensitivity analysis; simulation modelling and analysis; statistical modelling; validity and hypothesis testing; survey design; experimental design; and statistical inference techniques. Case studies will be examined to illustrate and analyse the scope and limitations of transport models and traffic behaviour.

P: Subject to approval of the Programme Director

### ENTR 620 Independent Course of Study

15 Points 0.1250 EFTS

Independent course of study in a special topic.

P: Subject to approval of the Programme Director.

Domestic Fee: \$1,102 (2019)

International Fee: \$5,500 (2019)

ENTR620-20A (C) Starts Anytime

### ENTR 680 Project

60 Points 0.5000 EFTS

P: Subject to approval of the Programme Director

Domestic Fee: \$4,407 (2019)

International Fee: \$22,000 (2019)

ENTR680-20A (C) Starts Anytime

### ENTR 690 MET Thesis (full-time)

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

ENTR690-20A (C) Starts Anytime

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

### ENTR 790 Transportation Engineering PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Programme Director

Domestic Fee: \$8,459 (2019)

International Fee: \$44,000 (2019)

ENTR790-20A (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.

## Water Resource Management

### Waterways Centre for Freshwater Management

#### WATR 201 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

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

WATR201-20S2 (C) Semester 2

Fieldwork is required.

#### WATR 203 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.

Domestic Fee: \$883 (2019)

International Fee: \$4,000 (2019)

WATR203-19SU2 (C) Summer (Nov 19)

WATR203-20SU2 (C) Summer (Nov 19)

#### WATR 301 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.

Domestic Fee: \$900 (2019)

International Fee: \$4,250 (2019)

WATR301-20S1 (C) Semester 1

Fieldwork is required.

## Tāura | Postgraduate

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

#### WATR 401 Advanced Water Resources

15 Points 0.1250 EFTS

Freshwater resource definition, characterisation, use, and impacts of exploitation and their management or mitigation. Topics will include; perspectives/values (including cultural) associated with water bodies, anthropogenic stresses and their effects on resources, key aquatic and ecosystems processes, methods of characterisation and impact assessment, hazards,

NZ legislative frameworks relating to water and environmental resource, and catchment management approaches. Will include a compulsory one-day fieldtrip.

P: (1) Entry is subject to approval by the Programme Director (2) BSc, BE(Hons), BEMP (LU) or equivalent qualification or experience in a field of relevance in water resource management

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**WATR401-20S1 (C)** Semester 1

Fieldwork is required.

### WATR 402 Water Quality and Quantity Assessment

15 Points 0.1250 EFTS

Quantification of freshwater water resources, and methods for environmental impact control and mitigation. Topics to include; measuring flow, quality and ecosystem health, development and application of national standards, indicators (including cultural indicators) and guidelines for water quantity and quality, point- and non-point source contaminant characterisation, monitoring programme design & implementation, modelling resource change, and drinking/waste water treatment methods. Candidates should note that this course includes a block course in the mid-semester break. Actual dates of the course to be advised.

P: (1) Entry is subject to approval by the Programme Director (2) BSc, BE, BEMP (LU) or equivalent qualification or experience in a field of relevance in water resource management

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**WATR402-20S2 (C)** Semester 2

Fieldwork is required.

### WATR 403 Water Management, Policy and Planning

15 Points 0.1250 EFTS

Resource management models, policy and planning, within the context of environmental legislation and sound resource management. Topics will include; Resource management models for integrating environmental, social, economic and cultural water values; Legislative frameworks for water governance and management, including local, regional, national and international policy development and water management strategies; Hazard risk assessment and management for resilience; Professional ethics; RMA policy, planning and consenting procedures, using case studies of water use; Projections of future issues, alternative sustainable management and legislative strategies. Will include a compulsory one-day fieldtrip.

P: (1) Entry is subject to approval by the Programme Director, (2) BSc, BE, BEMP(LU) or equivalent qualification or experience in a field of relevance in water resource management.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**WATR403-20S2 (C)** Semester 2

Fieldwork is required.

### WATR 404 Special Topic

15 Points 0.1250 EFTS

**Not offered in 2020**

Special Topic in Water Resource Management, in which a specific course of study will be developed to suit student needs. Permission to enrol is required from the WRM Programme Director, to be granted pending an appropriate course of study developed by a nominated supervisor, in consultation with the student.

P: Subject to approval of Director, WCFM

### WATR 405 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.

R: Master of Water Resource Management or Postgraduate Diploma in Water Resource Management students only.

Domestic Fee: \$1,054 (2019)

International Fee: \$4,800 (2019)

**WATR405-20S1 (C)** Semester 1

### WATR 690 MWaterRM Thesis

120 Points 1.0000 EFTS

Research thesis on a topic of relevance to Water Resource Management.

P: Subject to the approval by the Director of Waterways Centre

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**WATR690-20A (C)** Starts Anytime

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

### WATR 790 Water Resource Management PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Director of the Waterways Centre

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

**WATR790-20A (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.

## Writing

Te Kura Kete Aronui | School of Humanities and Creative Arts

### WRIT 101 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: ENGL 117

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

**WRIT101-20SU1 (C)** Summer (Jan 20)

**WRIT101-20S1 (C)** Semester 1

**WRIT101-20S2 (C)** Semester 2

## Tāura | Postgraduate

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

### WRIT 401 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**WRIT401-20S1 (C)** Semester 1

### WRIT 402 Professional Writing

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.

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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**WRIT402-20S2 (C)** Semester 2

### WRIT 403 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

Domestic Fee: \$1,884 (2019)

International Fee: \$7,675 (2019)

**WRIT403-20S2 (C)** Semester 2

### WRIT 680 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

Domestic Fee: \$3,768 (2019)

International Fee: \$15,350 (2019)

**WRIT680-20A (C)** Starts Anytime

## Youth and Community Leadership

*Te Kura Ārahi Ako | School of Educational Studies and Leadership*

### YACL 101 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).

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

YACL101-20S1 (C) Semester 1

YACL101-20S1 (D) Semester 1

### YACL 201 Social Leadership: Leading with Others

15 Points 0.1250 EFTS

Social leadership - leading with others - is a non-hierarchical event, which mobilizes a group towards a shared objective. In this course, students will explore the dynamics of collaboration and social capital, and their implications for leadership. Theories of group leadership, problem-solving styles and the potential of 'eco-leadership' will be surveyed and critiqued. In this course, students will reflect on and trace their participation as members of various communities: whanau, 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: YACL 101

Domestic Fee: \$777 (2019)

International Fee: \$3,375 (2019)

YACL201-20S2 (C) Semester 2

YACL201-20S2 (D) Semester 2

### YACL 301 Civic Leadership: Leading for Change

15 Points 0.1250 EFTS

**Not offered in 2020**

In this course, students will learn the necessary research skills, as well as digital, 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. Culturally responsive approaches to gathering evidence drawing on the braided rivers model (Macfarlane, Macfarlane & Gillon 2015) will guide this course. Students will develop an action plan of how to address their chosen topic, measure the effectiveness and impact of their actions, and to write a proposal that reflects all relevant aspects.

P: YACL 101 and YACL 201

### YACL 302 Leadership Project: Implementing Change

15 Points 0.1250 EFTS

**Not offered in 2020**

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 whanau, 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: YACL 301

## 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](http://www.canterbury.ac.nz/courses) or consult the relevant School/Department.

### ZOOL 480 Research 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 BIOL401-409, BIOL430-433, BIOL450-452, BIOL470-476, BIOL490.

P: Subject to approval of the Head of School.

EQ: ZOOL 471

Domestic Fee: \$2,108 (2019)

International Fee: \$9,600 (2019)

ZOOL480-20W (C) Whole Year (S1 and S2)

### ZOOL 690 MSc Thesis

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

ZOOL690-20A (C) Starts Anytime

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

### ZOOL 790 Zoology PhD

120 Points 1.0000 EFTS

P: Subject to approval of the Head of School.

Domestic Fee: \$7,948 (2019)

International Fee: \$38,400 (2019)

ZOOL790-20A (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.



**UC Contact Centre:**

NZ Freephone: 0800 VARSITY (0800 827 748)

T: +64 3 364 2555

E: [info@canterbury.ac.nz](mailto:info@canterbury.ac.nz)

University of Canterbury

Te Whare Wānanga o Waitaha

Private Bag 4800

Christchurch 8140

New Zealand

[www.canterbury.ac.nz](http://www.canterbury.ac.nz)



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