Prescriptions

This section provides an alphabetical listing of all papers. It is vital that you consult this section when choosing your papers.

You will find a separate listing for Distance Learning papers on pages 210–213.

Information on the following pages was correct at the time of printing, however as some details may have changed, please check the website for the most recent information.

otago.ac.nz/papers
How to read a Prescription entry

The example below illustrates the components of a typical paper entry.

ANAT 242 Neurobiology
S2 0.15 EFTS, DL, OC 18 points
The structural and functional organisation of the nervous system at cellular, tissue, system and integrative levels.

P CELS 191, HUBS 191, CHEM 191 and 36 further points
SC Science

Note: For BSc students taking Neuroscience as their major subject, FHSI 191 may be substituted for CHEM 191 as a prerequisite.

This example is for the purposes of illustration only and is not representative of all papers. Following are definitions of the information presented in the Prescriptions with their abbreviations.

Paper code: Each paper is identified by a seven character code. The first four characters are letters that denote the subject area (e.g. ACCT for Accounting, FHSI for Physics) followed by three numbers (beginning with 1 for 100-level papers, 2 for 200-level papers, and so on).

Teaching period: University papers are offered in a number of teaching periods throughout the year: some are offered in Summer School (SS), (January–February); most papers are offered in either the first semester (S1/February–June) or the second semester (S2/July–November); some are taught twice in the year, in each semester (ES); some are taught over both semesters on a full-year basis (FY); and some papers are taught in "non-standard" periods of various lengths (e.g. N1, N2) that do not match both semesters on a full-year basis (FY); and some papers are taught over periods throughout the year: some are offered in Summer School (SS), (January–February); most papers are offered in either the first semester (S1/February–June) or the second semester (S2/July–November); some are taught twice in the year, in each semester (ES); some are taught over both semesters on a full-year basis (FY); and some papers are taught in "non-standard" periods of various lengths (e.g. N1, N2) that do not match the usual teaching periods, and can be shorter or longer than a semester. It is usually best to plan your year's study so that your workload is evenly spread.

EFTS (Equivalent full-time student): EFTS is a unit of measurement of a student's enrolment and is the basis of the funding system for the University. A typical full-time student's study equals 1.0 EFTS unit and the papers taken are fractions of that unit. In practice, a year's study will vary in EFTS value according to the papers studied. Your EFTS total is used to determine your eligibility for student loans and allowances.

Teaching method: is denoted by abbreviations.
• OC: the paper is available on campus.
• DL: the paper is available through distance learning.

Departmental permission (DP): Papers designated "DP" can be selected during paper selection but a place is not immediately guaranteed until the department concerned gives approval.

Supported by online learning management system (OL): Teaching of the paper is supported by the use of an online learning management system (e.g. Blackboard). However, this does not necessarily mean that the paper is taught exclusively online. Many papers will use this in conjunction with on-campus lectures, laboratories and tutorials

Points: Each paper is worth a particular number of points. To complete a degree you must accumulate a certain number of points with a minimum number required at the higher levels.

You could not, for example, earn a degree simply by taking a large number of 100-level papers over three or four years. Most papers at 100-, 200- and 300-level are worth 18 points, but some have differing points values, depending on the workload they require.

Prescription: Description of the academic content of an individual paper.

Prerequisite (P): Most papers beyond 100-level have particular prerequisites (requirements to be met before a paper or course may be taken). If you have not completed a prerequisite for a certain paper you will not normally be permitted to enrol in that paper.

Corequisite (C): Some papers have a corequisite (a paper that must be taken concurrently).

Restriction (R): Papers that have a large amount of content in common are often restricted against each other, so they cannot be credited to the same academic record.

Limited to (LT): Papers limited to certain qualifications may normally be taken only for those qualifications (some exceptions may be possible).

Recommended preparation (RP): Papers that should normally be taken before the paper concerned.

Recommended concurrent study (RC): Papers it is recommended you take at the same time.

Schedule C (SC): Indicates inclusion in lists of subjects for BA, BTheol, BSc, BCom, BA(HSc) (see page 106).

Location (L): Indicates the campus at (or from) which a paper is taught. If no location is specified, the paper is taught at (or from) Dunedin. Other locations are specified – e.g. Christchurch, Wellington and Invercargill – including where a paper is taught at more than one location.

Note(s): These provide additional important information specific to the paper.

The following key is available at the bottom of every left-hand page to help you identify each term or abbreviation in the listings.

Key
• S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-5: non-standard periods; DD: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; DL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin). See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers.
ACCOUNTING

ACCT 102 Principles of Accounting
ES 0.15 EFTS OL, OC 18 points
A foundation for further studies in accounts preparation. Examines underlying concepts, principles and techniques of financial accounting and reporting. P BSN 107 or 115 SC Commerce

ACCT 211 Financial Accounting and Reporting
S1 0.15 EFTS OL, OC 18 points
The accounting theory and practice relevant to some of the more complicated accounting issues unique to companies. P ACCT 102 and (BSN 107 or 115) (each passed with a grade of at least C+). SC Commerce

ACCT 222 Cost and Management Accounting
ES 0.15 EFTS OL, OC 18 points
Understanding cost and management accounting information, with an emphasis placed upon issues of pricing and control of organisation, including budgeting and performance evaluation, relevant costs for decision making and pricing. P ACCT 102 and (BSN 107 or 115) (each passed with a grade of at least C+). SC Commerce

ACCT 233 Fundamentals of Accounting for Internal Decisions
S1 0.15 EFTS OL, OC 18 points
The preparation and uses of accounting information for internal and external financial decision-making, including extensive use of Excel spreadsheet skills that lend support for this. P All of ACCT 102, BSN 102 or 112, (BSN 107 or 115), (BSN 108 or 114) (each passed with a grade of at least C+). R ACCT 213, ACFI 201, FINC 201 SC Commerce

ACCT 302 Accounting Performance Management
S1 0.15 EFTS OL, OC 18 points
Management accounting's role in designing and operating organisational systems that direct, motivate and evaluate employee action. Associations and information flows between strategic plans and budget targets, measures and incentives are examined. P ACCT 222 SC Commerce

ACCT 306 Accounting Information Systems
S2 0.15 EFTS OL, OC 18 points
Employing a conceptual framework to emphasise the professional and legal responsibility of accountants, auditors, and management for the design, operation and control of AIS applications. P ACCT 211, 222 and S4 further points at 200 level or above. R ACCT 406 SC Commerce

ACCT 307 Management Accounting
S2 0.15 EFTS OL, OC 18 points
A systematic and in-depth analytic treatment of management accounting topics that encourages the application of analytic reasoning and use of formal models to assist managers in decision making and control activities. P ACCT 222 and (ACCT 233 or ACFI 201) SC Commerce

ACCT 310 Financial Statement Analysis
S2 0.15 EFTS OL, OC 18 points
The analysis and interpretation of corporate financial statements using appropriate technology, and problems associated with the use of financial information for decision making. P ACCT 211 and (ACCT 233 or ACFI 201) and S4 further points at 200 level or above. SC Commerce

ACCT 315 Advanced Financial Accounting
S1 0.15 EFTS OL, OC 18 points
Development of students' theoretical and practical proficiency in the advanced areas of financial accounting. P ACCT 211 SC Commerce

ACCT 320 Accounting Theory
NO 0.15 EFTS OL, OC 18 points
Exposes students to the conceptual underpinnings of accountancy from historical, logical and theoretical perspectives. Both professional and academic literatures are examined. P ACCT 211, 222 SC Commerce

ACCT 325 Corporate Sustainability Accounting and Reporting
S2 0.15 EFTS OL, OC 18 points
A detailed overview of social and environmental accounting and corporate sustainability practices, including latest trends in corporate sustainability reporting. P ACCT 102 and 72 points at 200 level or above SC Commerce

ACCT 399 Special Topic
NO 0.15 EFTS OL, OC 18 points
SC Commerce

ACCT 403 Advanced Financial Accounting
S1 0.1667 EFTS OL, OC 20 points
An applied approach to the issues underlying financial accounting and reporting. R ACCT 402 LT MProfAcct

ACCT 404 Empirical and Methodological Aspects of Financial Accounting
NO 0.1667 EFTS OC 20 points
Empirical and methodological approaches to the issues underlying financial accounting and reporting, particularly from a financial economics point of view. R ACCT 402

ACCT 406 Accounting Information Systems
S2 0.1667 EFTS OL, OC 20 points
An advanced study of the implication of AIS design, operation and control for accountants, auditors and managers, using in-depth case studies to develop practical familiarity with the issues arising. R ACCT 306 LT MProfAcct

ACCT 409 Advanced Management Accounting
S2 0.1667 EFTS OL, OC 20 points
An applied approach to the development of management accounting data. R ACCT 408 LT MProfAcct

ACCT 410 Advanced Performance Management Accounting
NO 0.1667 EFTS OL, OC 20 points
Examining and use of design accounting performance management systems. R ACCT 408

ACCT 411 Literature Review
NO 0.1667 EFTS OL, OC 20 points
This paper involves guiding students through a literature review on a topic of their own choice. R ACCT 408

ACCT 412 International Accounting
NO 0.1667 EFTS OC 20 points
Exploration of the diversity in accounting issues encountered by companies engaged in international business, and the causes for this. Evaluation of current approaches to international financial reporting harmony. LT MinIntBus

ACCT 414 Sustainability Accounting and Reporting
NO 0.1667 EFTS OL, OC 20 points
A detailed overview of social and environmental accounting and corporate sustainability practices, including latest trends in corporate sustainability reporting. LT MProfAcct

ACCT 421 Financial Accounting
S1 0.1667 EFTS OL, OC 20 points
The mechanics of financial accounting, the accounting environment and professional standards. Basic accounting concepts, principles, and reporting with applications to actual business settings. R ACCT 102, 211 LT MProfAcct

ACCT 422 Management Accounting
S1 0.1667 EFTS OL, OC 20 points
Understanding, production and use of management accounting information, including cost behaviour, budgeting, variances and performance evaluation, relevant costs for decision making, pricing, product costing, treatment of overhead and allocations. R ACCT 222, BSN 107 LT MProfAcct

ACCT 423 Finance
S1 0.1667 EFTS OL, OC 20 points
An introduction to finance by examining the theory and application of why and how financial decisions are made. Students will use Excel to help make financial decisions. R ACFI 201, BSN 108 LT MProfAcct

ACCT 429 Commercial Law
S1 0.1667 EFTS OL, OC 20 points
An introduction to New Zealand's legal framework and the law relating to commercial transactions, different forms of business and the legal requirements relating to these organisations. R BLAW 211, 212 LT MProfAcct

ACCT 480 Dissertation or Case Study
NO 0.3333 EFTS OL, OC 40 points
An opportunity to investigate in some depth an area of current research in accountancy in which the student is interested. (No more than 10,000 words.) P ACFI 399 SC Commerce

ACCT 499 Special Topic
NO 0.1667 EFTS OL, OC 20 points
R BLAW 211, 212 LT MProfAcct

ACFI 299 Special Topic
NO 0.15 EFTS OL, OC 18 points
SC Commerce

ACFI 359 Research Methods
NO 0.15 EFTS OL, OC 18 points
Provides an understanding of research processes and methods, databases, and underlying literature in both accountancy and finance. Promotes the capacity to develop and present a research proposal. P (ACFI 201 or ACCT 233 or FINC 206) plus two of (ACCT 211, 222, FINC 202, 203) (passed with an average of B+). R ACCT 359 SC Commerce

Note: Admission subject to approval from Head of Department.

ACFI 359 Research Methods
NO 0.15 EFTS OL, OC 18 points
SC Commerce

ACFI 459 Advanced Research Methods
NO 0.1667 EFTS OL, OC 20 points
Advanced research processes and methods, databases, and underlying literature in both accountancy and finance. Builds competency in developing and presenting a research proposal. R ACFI 359
Aesthetic Dentistry

AEST 801 Principles of Aesthetic Dentistry
N1 0.5 EFTS OL, OC, DL 60 points Principles of aesthetic dentistry for general dental practice. Principles of communication with patients, patient psychology, ethics and professionalism, laboratory procedures, biomaterials, restorative dentistry and fixed prosthodontics. LT MDent

AEST 802 Advanced Aesthetic Dentistry
N1 0.5 EFTS OL, OC, DL 60 points Advanced techniques in aesthetic dentistry at the level of a general dental practitioner. Analysis, diagnosis, treatment planning and treatment of moderate aesthetically challenged cases using a multidisciplinary approach. LT MDent

AEST 880 Research Dissertation
N1 0.1667 EFTS OL, OC, DL 60 points Research project and presentation of research dissertation. LT MDent

Agriculture

AGRI 101 Agricultural Innovation
S1 0.15 EFTS OL, OC 18 points Current issues and solutions in agriculture, including social, commercial, and environmental aspects, and the role of science and technology for driving innovation.

Anatomy

ANAT 101 Anatomy for Sport and Exercise
S1 0.15 EFTS OL, OC 18 points Introduction to functional anatomy of the human body, with a focus on biomechanics of normal human movement. Examples in sport and exercise are used to integrate structure and function. R HUBS 191, 192, PHSE 191, 192, ANAT 200-level papers SC Science

ANAT 241 Human Biology: Cells to Systems
S1 0.15 EFTS OL, OC 18 points The structural and functional organisation of the human body at cellular, tissue, system and regional levels. P CELS 191, CHEM 191, HUBS 192 R MELS 241 SC Science

ANAT 242 Neurobiology
S2 0.15 EFTS OL, OC 18 points The structural and functional organisation of the nervous system at cellular, tissue, system and integrative levels. P CELS 191, CHEM 191, HUBS 191, and 36 further points SC Science

ANAT 243 Reproductive and Developmental Biology
S2 0.15 EFTS OL, OC 18 points Reproductive biology, encompassing hormone regulation, spermatogenesis and oocyte development, and pregnancy. Core concepts of developmental biology, including how the major body systems of an animal form from a fertilised egg. P CELS 191, CHEM 191, HUBS 192 SC Science

ANAT 331 Functional Anatomy
S1 0.15 EFTS OL, OC 18 points Functional anatomy of the musculoskeletal system. P ANAT 241 or 250 SC Science

ANAT 332 Cell Biology
S2 0.15 EFTS OL, OC 18 points Selected topics from current issues in cell and molecular biology. Practical experience in molecular biology, cell culture and microscopy. P ANAT 241 SC Science

ANAT 333 Reproductive Biology
S1 0.15 EFTS OL, OC 18 points Neuroendocrine regulation of reproduction. Female and male reproductive biology: Genetics of reproduction. P ANAT 243 SC Science

ANAT 334 Developmental Biology
S2 0.15 EFTS OL, OC 18 points Essential topics in developmental biology. Topics include cellular processes involved in morphogenesis, such as formation of the face and control of cell number and migration in the early developing organism; organ and skeletal formation and patterning, and development and regeneration/repair of the nervous system. P ANAT 243 SC Science

ANAT 335 Neurobiology
S2 0.15 EFTS OL, OC 18 points Structure and function of the mammalian brain, including brain circuits and how the biology of its cells can lead to degenerative changes. P ANAT 242 SC Science

ANAT 336 Selected Topics in Neurobiology
ES 0.15 EFTS OL, OC 18 points An in-depth study of selected topics in neuroscience. P ANAT 242 SC Science

Notes: (i) This paper is for students taking the Physical Education, Activity and Health; Exercise and Sport Science; or Sports Development and Management major subjects. (ii) May not be used to progress to the Anatomy major or minor subject for BSc. (iii) May not be taken concurrently with or after having passed any 200-level ANAT paper.

ANTH 103 Introduction to Anthropology
S1 0.15 EFTS OL, OC 18 points An introduction to the fundamental concepts and history of general anthropology, including archaeology and social anthropology. R ANTH 101 SC Arts and Music

ANTH 105 Global and Local Cultures
S2 0.15 EFTS OL, OC 18 points Being human, and humane, in a world where worlds collide. An introduction to cultural studies of globalisation, multiculturalism, tourism, media. SC Arts and Music

ANTH 203 Asian Archaeology
S2 0.15 EFTS OL, OC 18 points The development of human culture in this area from 10,000 BC to 1,000 AD. P One of ARCH 101, ANTH 103, 104, 106, or 54 points R ARCH 203 SC Arts and Music

APPS 400 Study Abroad
N1, N2 0.3333 EFTS OL, OC 40 points A supervised project involving research and leading to the production of a report. Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master's degree by papers and thesis. LT MSc

Arts and Music

ARCH 101 Art History: Art and Society
OL, OC 0.15 EFTS OL, OC 18 points A study of European and non-European art from antiquity to the present day. SC ARC 102

ARTH 101 Art History: Art and Society
OL, OC 0.15 EFTS OL, OC 18 points A study of European and non-European art from antiquity to the present day. SC ARC 102

ANTH 101 Introduction to Anthropology
OL, OC 0.15 EFTS OL, OC 18 points An introduction to the fundamental concepts and history of general anthropology, including archaeology and social anthropology. R ANTH 101 SC Arts and Music

ANTH 103 Introduction to Anthropology
OL, OC 0.15 EFTS OL, OC 18 points An introduction to the fundamental concepts and history of general anthropology, including archaeology and social anthropology. R ANTH 101 SC Arts and Music

ANTH 104 Global and Local Cultures
OL, OC 0.15 EFTS OL, OC 18 points Being human, and humane, in a world where worlds collide. An introduction to cultural studies of globalisation, multiculturalism, tourism, media. SC Arts and Music

ANTH 203 Asian Archaeology
OL, OC 0.15 EFTS OL, OC 18 points The development of human culture in this area from 10,000 BC to 1,000 AD. P One of ARCH 101, ANTH 103, 104, 106, or 54 points R ARCH 203 SC Arts and Music

ANTH 300 Ancient World History
OL, OC 0.15 EFTS OL, OC 18 points A study of human history from the earliest appearance up to and including the rise of early civilisations. R ANTH 104, ARCH 101 SC Arts and Music

ANTH 500 Research Project
OL, OC 0.15 EFTS OL, OC 18 points Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master's degree by papers and thesis. LT MSc

ANTH 501 Research Project
OL, OC 0.15 EFTS OL, OC 18 points Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master's degree by papers and thesis. LT MSc

ANTH 105 Global and Local Cultures
OL, OC 0.15 EFTS OL, OC 18 points Being human, and humane, in a world where worlds collide. An introduction to cultural studies of globalisation, multiculturalism, tourism, media. SC Arts and Music

ANTH 106 Human Origins and Civilizations
OL, OC 0.15 EFTS OL, OC 18 points A review of archaeological evidence for the origins and cultural development of the human species from its earliest appearance up to and including the rise of early civilisations. R ANTH 104, ARCH 101 SC Arts and Music
ANTH 204 Pacific and New Zealand Archaeology
S1 0.15 EFTS OL, OC 18 points
An archaeological perspective on cultural change in the Pacific Islands, including New Zealand, from earliest human settlement until the early colonial era.
P One of ARCH 101, ANTH 103, 104, 106, or 54 points
R ARCH 204
SC Arts and Music

ANTH 205 Anthropology and the Contemporary Pacific
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to the anthropology of contemporary Pacific cultures with reference to how ethnography and theory address representation, social and environmental change in the region.
P ANTH 103 or 105 or 54 points
SC Arts and Music

ANTH 206 Anthropology of Contemporary Issues
S2 0.15 EFTS OL, OC 18 points
Anthropological explanations of globalisation, covering social issues such as class, climate change, gender, nationalism and new social movements, with reference to selected case studies.
P ANTH 103 or 105 or 54 points
SC Arts and Music

ANTH 208 Archaeological Methods
S1 0.15 EFTS OL, OC 18 points
Practical introduction to the methods of acquiring and interpreting archaeological data, and consideration of its relevance to the modern world.
P One of ANTH 103, 104, 106, ARCH 101, or 54 points
R ARCH 201
SC Arts and Music

ANTH 209 Special Topic
NO 0.15 EFTS OC 18 points
An introduction to the political and ethical implications of anthropological representation combining readings of selected ethnographic films, books and anthropological theory.
P ANTH 103 or 105 or 54 points
SC Arts and Music

ANTH 210 Translating Culture
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to the political and ethical implications of anthropological representation combining readings of selected ethnographic films, books and anthropological theory.
P ANTH 103 or 105 or 54 points
SC Arts and Music

ANTH 211 Contemporary Ethnographic Research
S1 0.15 EFTS OL, OC 18 points
An introduction to the issues, methods and ethical considerations involved in carrying out ethnographic research.
P ANTH 103 or 105 or 54 points
R ANTH 320
SC Arts and Music

ANTH 216 Archaeology of the Modern World
S2 0.15 EFTS OL, OC 18 points
Archaeological analysis of the emergence of a globalised modern world since ca. 1500 AD, with consideration of issues including colonialism, culture contact, misnisation, diaspora, ethnicity, class, gender and indigeneity.
P One of ANTH 103, 104, 106, ARCH 101, or 54 points
R ANTH 317, ARCH 202
SC Arts and Music
Note: May not be credited together with ARCH 210 passed in 2013.

ANTH 222 Conceiving Reproduction
S2 0.15 EFTS OL, OC 18 points
An introduction to the social and cultural management of human reproduction. Features local and international anthropological studies of family formation, population control, trafficking, commodified fertility, adoption, surrogacy, and other reproductive technologies.
P ANTH 103 or 105 or 54 points
R ANTH 322
SC Arts and Music

ANTH 223 Anthropology of Health
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to the global and cross-cultural exploration of concepts of health, healing and illness. Exploration of the commodification, medicalisation, moralities and aesthetics of embodied health and biomedical care.
P ANTH 103 or 105 or 54 points
R ANTH 323
SC Arts and Music

ANTH 225 Rites of Passage: Death, Grief and Ritual
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to the anthropological analysis of responses to death and dying, drawing on cross-cultural case studies and relevant anthropological theories of grief, mourning and funerary practice.
P ANTH 103 or 105 or 54 points.
R ANTH 325
SC Arts and Music

ANTH 228 Anthropology of Religion and the Supernatural
S2 0.15 EFTS OL, OC 18 points
An introduction to the anthropological study of religion and the supernatural, providing critical, cross-cultural and comparative perspectives of human belief systems.
P ANTH 103 or 105 or 54 points.
R ANTH 328
SC Arts and Music

ANTH 310 Special Topic
NO 0.15 EFTS OL, OC 18 points
Explores how an anthropological analysis of the ‘everyday’ can elucidate the cultural underpinnings that inform, enable and hinder the exercise of power across the globe.
P 18 200-level ANTH or ARCH points or 108 points.
R ARCH 310
SC Arts and Music
Note: May not be credited together with ANTH 326 passed in 2008.

ANTH 316 Labour and Society
NO (2023) 0.15 EFTS OL, OC 18 points
Comparative studies of labour and development and the anthropology of work through global case studies.
P 18 200-level ANTH points or 108 points
SC Arts and Music

ANTH 321 Archaeozoology
S1 0.15 EFTS OL, OC 18 points
Approaches to the study of animal remains from archaeological sites. Students will develop practical skills in the identification of fauna encountered in archaeological sites. Students will develop skills in the application of Geographic Information Systems to archaeology.
P 18 200-level ANTH points or 108 points
R ARCH 303
SC Arts and Music
Note: May not be credited together with ANTH 310 passed in 2010, 2011 or ARCH 310 passed in 2015.

ANTH 330 New Zealand Archaeology
S1 0.15 EFTS OL, OC 18 points
Examination of past and recent research in archaeology of the New Zealand region (North, South, Stewart, Chathams and Subantarctic Islands), from initial human settlement until the recent past.
P 18 200-level ANTH or 108 points
R ARCH 301
SC Arts and Music

ANTH 331 The Emergence of Agriculture: an Archaeological Journey
S2 0.15 EFTS OL, OC 18 points
Understanding the emergence of world agriculture from an archaeological perspective. Detailed case examples will be given from China, the Near East, Europe, the Americas and the Pacific.
P 18 200-level ANTH points or 108 points
R ARCH 303
SC Arts and Music
Note: May not be credited together with ANTH 307 passed in 2011 or 2012.

ANTH 332 Anthropology of Money
S1 0.15 EFTS OL, OC 18 points
An introduction to the anthropological understanding of money, drawing on contemporary case studies from Indigenous (often non-cash) societies, globalising industrial societies, and classical ethnographies of money.
P 18 200-level ANTH points or 108 points
SC Arts and Music

ANTH 336 Special Topic
NO (2022) 0.15 EFTS OL, OC 18 points
An advanced anthropological study of religion and the supernatural, providing critical, cross-cultural and comparative perspectives of human belief systems.
P 18 200-level ANTH points or 108 points
SC Arts and Music

ANTH 338 Anthropology of Religion and the Supernatural
S2 0.15 EFTS OL, OC 18 points
Archaeological perspectives on how people in the past inhabited and changed the world around them. Students will develop skills in the application of Geographic Information Systems to archaeology.
P 18 200-level ANTH points or 108 points
R ARCH 303
SC Arts and Music
Note: May not be credited together with ANTH 310 passed in 2010, 2011 or ARCH 310 passed in 2015.

ANTH 340 Conceiving Reproduction
S2 0.15 EFTS OL, OC 18 points
The social and cultural management of human reproduction. Features local and international anthropological studies of family formation, population control, trafficking, commodified fertility, adoption, surrogacy, and other reproductive technologies.
P 18 200-level ANTH points or 108 points
R ANTH 222
SC Arts and Music

ANTH 342 Anthropology of Health
NO (2021) 0.15 EFTS OL, OC 18 points
A global and cross-cultural exploration of the concepts of health, healing and illness. Exploration of the commodification, medicalisation, moralities and aesthetics of embodied health via a research essay.
P 18 200-level ANTH points or 108 points
R ANTH 223
SC Arts and Music
Note: May not be credited together with ANTH 310 passed in 2001 or 2002.

ANTH 343 Archaeological Practice
S2 0.15 EFTS OL, OC 18 points
Examination of archaeological practice in applied and theoretical contexts, including field archaeology and resource management, with case studies from throughout the world. Training is provided in archaeological surveying and mapping.
P ANTH 208 or ARCH 201
R ARCH 301
SC Arts and Music
Note: May not be credited together with ANTH 309 passed in 2002 or 2003.

ANTH 345 Rites of Passage: Death, Grief and Ritual
NO (2021) 0.15 EFTS OL, OC 18 points
An advanced anthropological analysis of responses to death and dying, drawing on cross-cultural case studies and relevant anthropological theories of grief, mourning and funerary practice.
P 18 200-level ANTH points or 108 points
R ANTH 225
SC Arts and Music

ANTH 346 Special Topic
NO 0.15 EFTS OL, OC 18 points
An advanced anthropological study of religion and the supernatural, providing critical, cross-cultural and comparative perspectives of human belief systems.
P 18 200-level ANTH points or 108 points
SC Arts and Music

ANTH 350 New Zealand Archaeology
S1 0.15 EFTS OL, OC 18 points
Examination of past and recent research in archaeology of the New Zealand region (North, South, Stewart, Chathams and Subantarctic Islands), from initial human settlement until the recent past.
P 18 200-level ANTH or 108 points
R ARCH 301
SC Arts and Music

ANTH 351 The Emergence of Agriculture: an Archaeological Journey
S2 0.15 EFTS OL, OC 18 points
Understanding the emergence of world agriculture from an archaeological perspective. Detailed case examples will be given from China, the Near East, Europe, the Americas and the Pacific.
P 18 200-level ANTH points or 108 points
R ARCH 303
SC Arts and Music
Note: May not be credited together with ANTH 307 passed in 2011 or 2012.
ANTH 405 Archaeological Excavation
N1 0.1667 EFTS OL, OC 20 points
Advanced practical study of archaeological excavation and laboratory processing.
P ARCH 201 or ANTH 208 and 72 300-level ANTH or ARCH points.
R ARCH 401
Note: Students intending to enrol must contact the Department by 16 December. Attendance at a field school in February is compulsory.

ANTH 409 Material Culture Studies
FY 0.1667 EFTS OL, OC 20 points
The study of cultural artefacts in archaeology and anthropology. Addresses practical problems of classification and laboratory analysis, as well as the interpretation of material symbolism, meaning and agency.
P 72 300-level ANTH or ARCH points.
R ARCH 402

ANTH 410 Special Topic
NO 0.1667 EFTS OL, OC 20 points
Recent research and current projects involving Polynesia, Micronesia and Melanesia.
P 72 300-level ANTH or ARCH points.
R ARCH 403, ANTH 403

ANTH 423 Bodies, Technologies and Medicines
NO (2021) 0.1667 EFTS OL, OC, DL 20 points
Anthropological analysis of what it means to be human in living and working with innovative medical technologies such as genetic testing, xenotransplantation, intensive care units, organ transplants and gender reassignment surgery.
P 72 300-level ANTH or ARCH points.
R ANTH 322 or 323
Note: May not be credited together with ANTH 411 passed in 2002-2004.

ANTH 424 The Anthropology of Evil
FY 0.1667 EFTS OL, OC, DL 20 points
A cross-cultural and historical investigation of beliefs and activities seen as manifestations of evil in the world, drawing on ethnographic research, historical studies, and anthropological theory.
P 72 300-level ANTH or ARCH points.

ANTH 425 Anthropology of Transnationalism and Diaspora
NO (2022) 0.1667 EFTS OL, OC, DL 20 points
Anthropological and transnationalist perspectives on the global study of migration and diaspora of persons and things, drawn on international ethnographic studies of migrants, refugees, sojourners, elites and other examples.
P 72 300-level ANTH points.

ANTH 426 Anthropology and the Past
NO 0.1667 EFTS OL, OC 20 points
Theoretical exploration of anthropological research into heritage, memory, history and archaeology. Students may select archaeology as part of the anthropology courses to study the role of memory in this research theme.
P 72 300-level ANTH or ARCH points.
R ARCH 404
LT BAppSc(Ps(Hons)), PGDipArts
Note: May not be credited together with ANTH 410 passed in 2012 or ARCH 410 passed in 2013.

ANTH 490 Dissertation
FY 0.5 EFTS OC 60 points
Supervised individual research on a topic in anthropology.
R ANTH 495, ARCH 490
LT BAppSc(Hons), PGDipArts

ANTH 495 Dissertation
FY 0.5 EFTS OC 60 points
Supervised individual research on a topic in archaeology.
R ANTH 490, ARCH 490
LT BAppSc(Hons), PGDipArts

APGE 480 Research Project
FY 0.3333 EFTS OL, OC, DP 40 points
A supervised research project on an approved topic.
LT PGDipAppSc

APGE 490 Dissertation
FY 0.5 EFTS OL, OC, DP 60 points
A supervised research dissertation on an approved topic.
LT BAppSc(Hons)

APGE 495 Master's Thesis Preparation
FY 0.3333 EFTS OL, OC, DP 40 points
Preparation of a thesis proposal/thesis committee.
Note: Normally taken by students in the years preceding a Master's degree by papers and thesis.
LT MAPSc

Applied Science
APPS 201 Materials: Properties and Applications
NO 0.15 EFTS OL, OC 18 points
Aspects of materials, including physical properties, structure, sustainability, manufacturing and use.
R 108 100-level points.
SC Science

APPS 499 Applied Science Work Experience
ES, FY 0.0417 EFTS OL, OC, DP 5 points
Approved work experience. Preparation of a detailed professional report on work experience in a suitable industry for the student's chosen major subject.
R 50 200-level points.
CLTE 460, FOSC 460
LT BAppSc, BAppSc(Hons), MAPSc
Note: Admission to this course is subject to approval from the Programme Co-ordinator of the student's major subject.

APPS 595 Commercialisation Project
N1, N2, N3 0.3333 EFTS OL, OC, DP 40 points
A student-initiated project for science/technology commercialisation comprising either a business plan, or a due diligence report on a science-based commercial venture.

APPS 597 Supervised Independent Study
FY, N1, N2, N3 0.3333 EFTS OL, OC, DP 40 points
A supervised independent study resulting in a piece of original work on a specific research question or an advanced critical analysis of existing, area-specific, literature and knowledge.

APPS 598 Workplace-based Project
N1, N2, N3 0.3333 EFTS OL, OC, DP 40 points
A student-initiated project in collaboration with a host organisation/institution comprising either a strategic plan, or an evaluation of a new science/technology-based initiative, within the host organisation/institution.

Aquaculture and Fisheries
AQFI 251 Principles of Aquaculture
S2 0.15 EFTS OL, OC, DP 18 points
An introduction to scientific, legislative, and market-driven challenges to farming organisms in aquatic systems.
R MAR 112 and (STAT 110 or 115) and 18 points from BIOL 112, 123, CELS 191, ECOL 111
R AQFI 351, MAR 440
SC Science

AQFI 301 Field Methods for Assessment of Fisheries and Aquatic Habitats
N1 0.15 EFTS OL, OC, DL 18 points
Application of advanced field methods and data analysis to assess the status of fisheries and aquatic habitats.
R AQFI 251 or 252, MARI 202
R AQFI 301, MARI 440
SC Science
Note: Prerequisites may be satisfied by appropriate industry or policy experience in aquaculture, fisheries, or marine science, if approved by the Programme Director.

AQFI 352 Fisheries Ecology
S1 0.15 EFTS OL, OC 18 points
An introduction to current practice of fisheries science and population biology in aquatic systems.
R 36 points from AQFI 251, MARI 202, STAT 210, ZOOL 221
R AQFI 252, MARI 425
SC Science

AQFI 421 Advanced Aquaculture and Fisheries
N1 0.1667 EFTS OL, OCDL 20 points
Current issues in aquaculture and fisheries with an emphasis on New Zealand, including biological and ecosystem considerations, cultivation, vital rates of populations, and management approaches and methods.

AQFI 450 Special Topic
NO 0.1667 EFTS OL, OC, DP 20 points
From time to time, staff may offer one-off specialised topics. Contact the department for details.

Art History and Visual Culture
ARTV 101 Introduction to Visual Culture
NO 0.15 EFTS OL, OC 18 points
An introduction to the study of visual culture in contemporary society addressing a range of topics, such as fashion, photography, advertising, celebrity, gender, the moving image and their interfaces.
R MFCO 104, VISC 101
SC Arts and Music

ARTV 102 Interpreting Artworks
NO 0.15 EFTS OL, OC 18 points
A close analysis of ways in which historically major individual artworks can have meaning, and a demonstration of a variety of theoretical, cultural, historical and aesthetic approaches to interpretation in art.
R ARTI 114
SC Arts and Music

ARTV 103 Art: Here and Now
NO 0.15 EFTS OL, OC 18 points
An introduction to historical and contemporary art through the rich cultural offerings of Dunedin. Features weekly field trips for first-hand study of art and meetings with local arts organisations and professionals.
R ARTI 112
SC Arts and Music

ARTV 201 History of Photography: Technology, Document, Art
NO 0.15 EFTS OL, OC 18 points
An interdisciplinary exploration of photography in its multiple manifestations (technology, mass media, and art form) that employs local repositories of historical photographs for classes and assignments.
R One 100-level ARTV, ARTV, HIST or VISC paper or 54 points.
R ARTV 301, VISC 201, 202, 302
SC Arts and Music
Note: May not be credited together with ARTH 221 passed in 2011 or VISC 201 passed before 2016.
ARTV 202  Theories and Debates

NO 0.15 EFTS OL, OC 18 points
Introduction to current debates, or a current debate, in the field of Visual Culture studies.

P One 100-level ARTH, ARTV or VISC paper or 54 points
R ARTV 302, VISC 203, 301, 303
SC Arts and Music

ARTV 203  Medieval Art

NO 0.15 EFTS OL, OC 18 points
The visual and cultural development of European art in the medieval period.

P One 100-level ARTH, ARTV or VISC paper or 54 points
R ARTH 212, 312, ARTV 303
SC Arts and Music

ARTV 204  Renaissance Art

S1 0.15 EFTS OL, OC 18 points
The visual and cultural development of European art in the Renaissance period from the early 1400s to the 1600s.

P One 100-level ARTH, ARTV or VISC paper or 54 points
R ARTH 214, 215, 315, ARTV 304
SC Arts and Music

ARTV 205  New Zealand Art in the Twentieth Century

NO 0.15 EFTS OL, OC 18 points
A survey of the history of the visual arts in New Zealand from the 1890s until the 1970s.

P One 100-level ARTH, ARTV or VISC paper or 54 points
R ARTH 217
SC Arts and Music

ARTV 206  Art in Japan

NO 0.15 EFTS OL, OC 18 points
An introduction to Japanese art in relation to its social and cultural contexts from the Asuka and Nara period to the present day.

P One 100-level ARTH, ARTV or VISC paper or 54 points
R ARTH 223
SC Arts and Music

ARTV 207  Contemporary Art

NO 0.15 EFTS OL, OC 18 points
Development of critical skills and research methods for navigating the complexities of contemporary art. Issues concerning art of the present in local and international contexts.

P One 100-level ARTH, ARTV or VISC paper or 54 points
R ARTV 225
SC Arts and Music

ARTV 230  Special Topic: Art and Fashion: 1900 to the Present

NO 0.15 EFTS OL, OC 18 points
Exploration of the oft-contentious relationship between art and fashion since the 1900s. Topics covered include the avant-garde and fashion, the runway show as performance art, and fashion exhibitions.

P One 100-level ARTV, ARTH, HIST or VISC paper or 54 points
R ARTV 230
SC Arts and Music

Note: May not be credited together with ARTH 218, 319 or ARTV 330 with the same content.

ARTV 301  History of Photography: Technology, Document, Art (Advanced)

NO 0.15 EFTS OL, OC 18 points
An interdisciplinary exploration of photography in its multiple manifestations (technology, mass media, and art form) that employs local repositories of historical photographs for classes and assignments.

P One 200-level ARTH, ARTV, HIST or VISC paper or 54 points
R ARTV 201, VISC 201, 202, 302
SC Arts and Music

Note: May not be credited together with ARTH 221 passed before 2011 or VISC 201 passed before 2016.

ARTV 302  Theories and Debates (Advanced)

NO 0.15 EFTS OL, OC 18 points
Introduction to current debates, or a current debate, in the field of Visual Culture Studies.

P One 200-level ARTH, ARTV or VISC paper or 54 points
R ARTV 202, VISC 203, 301, 303
SC Arts and Music

ARTV 303  Medieval Art (Advanced)

NO 0.15 EFTS OL, OC 18 points
The visual and cultural development of European art in the medieval period.

P One 200-level ARTH, ARTV, HIST or VISC paper or 54 points
R ARTH 219, 312, ARTV 203
SC Arts and Music

ARTV 304  Renaissance Art (Advanced)

S1 0.15 EFTS OL, OC 18 points
The visual and cultural development of European art in the Renaissance period from the early 1400s to the 1600s.

P One 200-level ARTH, ARTV, HIST or VISC paper or 54 points
R ARTH 214, 215, 315, ARTV 304
SC Arts and Music

Note for ARTV 305-306: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

ARTV 305  Gender Issues in Art

S2 0.15 EFTS OL, OC 18 points
An introduction to issues in feminist art historiography, examining representations of and by women, as well as the political contexts of art production and reception.

P One 200-level ARTH, ARTV, HIST or VISC paper or 54 points
R ARTH 314, 414, 405
SC Arts and Music

ARTV 306  Art in Crisis 1970-1985

S1 0.15 EFTS OL, OC 18 points
A critical study of international art practice and theory between 1970 and 1985, including installation, conceptual and performance art, and the emergence of postmodern, feminist and other alternative art practices.

P One 200-level ARTH, ARTV, HIST or VISC paper or 54 points
R ARTH 330, 420, ARTV 406
SC Arts and Music

ARTV 308  Totalitarian Art in Fascist Italy, Nazi Germany and the USSR

NO 0.15 EFTS OL, OC 18 points
A comparative interdisciplinary examination of the entanglement of art and politics in the visual culture (paintings, photography, political posters, propaganda exhibitions, film) and architecture of the European single-party states.

P One 300-level ARTH, ARTV or VISC paper or 54 points
R ARTH 324, 424, ARTV 309
Note: May not be credited together with ARTH 319 or ARTV 414 passed in 2006.

ARTV 403  Special Topic

NO 0.1667 EFTS OL, OC 20 points
A survey of European and North American painting movements in the long 19th century, focusing on the medium's transition from a public to a private art form.

P One 300-level ARTH, ARTV, HIST or VISC paper or 54 points
Note: May not be credited together with ARTH 319, ARTV 411 or ARTV 330 with the same content.


NO 0.1667 EFTS OL, OC 20 points
A critical study of international art practice and theory between 1970 and 1985, including installation, conceptual and performance art, and the emergence of postmodern, feminist and other alternative art practices.

P One 300-level ARTH, ARTV or VISC paper or 54 points
R ARTH 320, 420, ARTV 306

ARTV 408  Totalitarian Art in Fascist Italy, Nazi Germany and the USSR

NO 0.1667 EFTS OL, OC 20 points
A comparative interdisciplinary examination of the entanglement of art and politics in the visual culture (paintings, photography, political posters, propaganda exhibitions, film) and architecture of the European single-party states.

P One 300-level ARTH, ARTV or VISC paper or 54 points
R ARTH 324, 424, ARTV 308
Note: May not be credited together with ARTV 331 with the same content.

ARTV 409  Histories of Art

NO 0.1667 EFTS OL, OC 20 points
What is art history? What are its premises? Where did it come from? This paper examines the historical foundations of the discipline and the diverse range of contemporary methodological approaches.

P One 300-level ARTH, ARTV or VISC paper or 54 points
R ARTH 324, 424, ARTV 309
Note: May not be credited together with ARTV 319, ARTV 411 or ARTV 330 with the same content.

ARTV 431  Special Topic

NO 0.1667 EFTS OL, OC 20 points
A survey of European and North American painting movements in the long 19th century, focusing on the medium’s transition from a public to a private art form.

P One 300-level ARTH, ARTV, HIST or VISC paper or 54 points
Note: May not be credited together with ARTV 331 with the same content.

ARTV 490  Dissertation

NO 0.5 EFTS OL, OC, DP 60 points
A dissertation of up to 20,000 words on an approved research topic.

P One 300-level ARTH, ARTV or VISC points
R ARTH 470, 490
LT BA(tions), PGDipArts

ARTV 590  Research Dissertation

NO 0.5 EFTS OL, OC, DL 60 points
A supervised research dissertation of up to 20,000 words on an approved topic.

LT MA

Asian Studies

ASIA 101  Introducing Asia

S1 0.15 EFTS OL, OC 18 points
A multi-disciplinary introduction to the culture and society of Asian countries and regions, with an emphasis on East Asia.

SC Arts and Music

ASIA 201  Asian Popular Cultures

NO 0.15 EFTS OL, OC 18 points
An exploration of contemporary Asia through the analysis of popular culture, with a focus on the media's role in constructing transnational Asian modernities.

P 54 points
SC Arts and Music
AVME 716 Clinical Occupational Medicine  
NO (2021) 
0.25 EFTS OL, DL 30 points
Occupational noise; lighting and vision; radiation and electrical hazards at work; occupational lung disorders; occupational allergy; occupational cancer; occupational and environmental toxicology; exposure measurement; occupational diving and compressed air at work.

LT MOccMed, MAvMed, MHealSc, PGDipOccMed, PGDipHealSc, PGDipPcmSc

AVME 717 Medical Logistics in Aeromedical Transport  
NO (2021) 
0.25 EFTS OL, DL 30 points
Historical perspective; search and rescue; primary aeromedical retrieval; secondary aeromedical retrieval and transfer; logistics of long reach retrieval; tertiary aeromedical transport; logistics of international repatriation; essential pre-flight considerations; working as a team.

LT MAeroRT, MAvMed, MHealSc, PGCertiMed, PGDipAvMed, PGDipHealSc

AVME 718 Operational Aspects of Aeromedical Transport  
NO (2021) 
0.25 EFTS OL, DL 30 points
Overview of aeromedical transport worldwide; modes of medical transport; helicopters used for medical transport; safety in and around helicopters; F-W aircraft used for medical transport; aircraft safety; the risks of air travel; aeromedical equipment; communications and co-ordination; operational constraints and complications.

LT MAeroRT, MAvMed, MHealSc, PGCertiAvMed, PGDipAvRT, PGDipHealSc

AVME 719 Aeromedical Studies for Nurses and Paramedics  
S1 
0.25 EFTS OL, DL 30 points
The aviation environment; principles and theory of aeromedical care; air ambulance/aeromedical operations; risk management in aeromedical retrieval and transportation work; critical reflection.

R AVM 719
LT MAvMed, MHealSc, PGDipAvMed, PGDipHealSc
L Wellington

AVME 720 Clinical Analysis in Aeromedical Retrieval and Transport  
S2 
0.25 EFTS OL, DL 30 points
Critical analysis of an issue in flight nursing or aero/paramedical care; a personal programme of study based in critical evaluation of the student's own clinical role and working environment.

R AVM 720
LT MAvMed, MHealSc, PGDipAvMed, PGDipHealSc
L Wellington

AVME 721 Clinical Care in the Air  
S1 
0.25 EFTS OL, DL 30 points
Relating physiology, pathology and flight; general clinical concerns; cardiovascular patients; orthopaedic and trauma patients; burn patients; obstetric patients; aeromedical transport of children; miscellaneous conditions of concern; critical care in the air.

LT MAeroRT, MAvMed, MHealSc, PGDipAvRT, PGDipHealSc
L Wellington

AVME 722 Organisation of Aeromedical Systems  
S2 
0.25 EFTS OL, DL 30 points
Establishing an aeromedical service; administration of an aeromedical service; standards, quality and quality control; international differences in approach; insurance and travel assistance; personnel selection and training; medico-legal issues; military AME; major incident response.

LT MAeroRT, MAvMed, MHealSc, PGDipAvRT, PGDipAvMed, PGDipHealSc
L Wellington

AVME 723 Managing Occupational Medicine  
S2 
0.25 EFTS OL, DL 30 points
Disability assessment; workplace assessment; communication, consultation, and negotiation; risk assessment and risk communication; funding and management of occupational health; occupational medicine and the law; research and medical informatics in occupational medicine; setting up and running an occupational medicine programme; quality assurance in occupational medicine.

LT MOccMed, MAvMed, MHealSc, PGDipOccMed, PGDipPcmSc

AVME 724 Health and Industry  
S2 
0.25 EFTS OL, DL 30 points
Mining, nuclear power and other radiation work; agriculture and silviculture; chemical industries; international business; work in extreme environments and hazardous employment; petrochemical industries including oil and gas exploration; office work, general manufacturing and technical industrial health.

LT MOccMed, MAvMed, MHealSc, PGDipOccMed, PGDipPcmSc
L Wellington

AVME 726 Special Topic  
ES 
0.25 EFTS OL, DL 30 points
Supervised study in breadth and depth sufficient to submit a journal article for publication in an appropriate journal.

R AVME 726
LT MAvMed, MHealSc, PGDipHealSc
L Wellington

Note: Admission to this paper requires the specific approval of the Course Director.

AVME 780 Research Project  
ES 
0.25 EFTS OL, DL 30 points
A supervised research project up to 10,000 words involving the development, implementation and reporting of an original topic in the student's area of professional interest.

R AVME 780
LT MAvMed, MHealSc, PGDipAvRT, PGDipAvMed, PGDipOccMed
L Wellington

AVME 801 Occupational Medicine Epidemiology and Biostatistics  
S1 
0.25 EFTS OL, DL 30 points
Conducting a review; modern epidemiologic concepts and methods; critical appraisal; epidemiological study design; descriptive epidemiology; sampling and measurement; epidemiological analysis, inferential statistics, regression analysis.

LT MOccMed, MAvMed, MHealSc (Endorsed)
L Wellington

AVME 802 Vocational Rehabilitation  
S2 
0.25 EFTS OL, DL 30 points
Conducting a review, workers' compensation, work rehabilitation; graduated return to work; functional capacity evaluation; activity prescription; psychosocial obstacles to return to work; work and workplace assessment, disability assessment.

R REHB 706, REHX 706
LT MOccMed, MAvMed, MHealSc (Endorsed)
L Wellington

AVME 803 Specialist Aeromedical Retrieval  
S1 
0.25 EFTS OL, DL 30 points
Conducting a review; neonatal paediatric transfers; obstetric transfers; use of new technologies; burns and thermal injury; infectious diseases; remote medical assistance; expedition and remote area support; repatriation from conflict areas; advanced in-flight interventions; platforms for delivering tertiary level specialist care.

LT MAeroRT, MAvMed, MHealSc (Endorsed)
L Wellington
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 225 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
An overview of the historical development of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 226 Jesus in the New Testament
S2 0.15 EFTS OL, OC, DL 18 points
A study of the different portraits of Jesus in select New Testament documents, including discussion of various titles used for Jesus, Christological themes and the development of views about Jesus as this can be seen in the New Testament.

BIBS 227 Jesus in the New Testament (Advanced)
S2 0.15 EFTS OL, OC, DL 18 points
A study of the different portraits of Jesus in select New Testament documents, including discussion of various titles used for Jesus, Christological themes and the development of views about Jesus as this can be seen in the New Testament.

BIBS 228 Judaism in the Time of Jesus
S2 0.15 EFTS OL, OC, DL 18 points
An overview of the history and literature of Judaism from Alexander the Great to the fall of Masada (332 BCE-7 CE), focusing particularly on the Dead Sea Scrolls.

BIBS 229 Greek New Testament Exegesis 2
FY 0.15 EFTS OL, OC, DL 18 points
Issues in translation of New Testament Greek, including grammar and syntax, with reference to selected passages, translation and detailed exegesis of other Greek texts.

BIBS 230 Greek New Testament Exegesis 3
FY 0.15 EFTS OL, OC, DL 18 points
Translation and detailed exegesis of selected Greek texts against their historical background.

BIBS 231 The Gospels
NO 0.15 EFTS OL, OC, DL 18 points
A detailed introduction to the study of the Gospels, with exegesis of selected texts.

BIBS 232 The New Testament Epistles
NO 0.15 EFTS OL, OC, DL 18 points
A detailed introduction to the study of the Gospels, with exegesis of selected texts.

BIBS 233 Greek New Testament Exegesis
FY 0.15 EFTS OL, OC, DL 18 points
A reading-based beginners’ paper covering the basic elements of New Testament Greek grammar and vocabulary, designed to develop reading skills in New Testament Greek.

BIBS 234 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points

BIBS 235 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
An advanced overview of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 236 Jesus in the New Testament (Advanced)
S2 0.15 EFTS OL, OC, DL 18 points
A study of the different portraits of Jesus in selected New Testament documents, including discussion of various titles used for Jesus, Christological themes and the development of views about Jesus as this can be seen in the New Testament.

BIBS 237 God, Suffering and Justice (Advanced)
NO 0.15 EFTS OL, OC, DL 18 points
A detailed study of texts from the Hebrew Bible and related literature that wrestles with the problem of how God can be regarded as just in the face of the reality of suffering.

BIBS 238 Judaism in the Time of Jesus (Advanced)
S2 0.15 EFTS OL, OC, DL 18 points
An advanced overview of the history and literature of Judaism from Alexander the Great to the fall of Masada (332 BCE-7 CE), focusing particularly on the Dead Sea Scrolls.

BIBS 240 Special Topic
S1 0.1667 EFTS OL, OC, DL 20 points
A detailed study of the genre, argument and theology of the book of Job in the context of the scriptural canon and the religious thought of the ancient world.

BIBS 241 Hebrew Old Testament Exegesis 2
FY 0.15 EFTS OL, OC, DL 18 points
Detailed study of Hebrew language and syntax, with weekly language exercises. The translation and exegesis of selected passages.

BIBS 242 Special Topic
S2 0.1667 EFTS OL, DL 20 points
A detailed study of the genre, argument and theology of the book of Job in the context of the scriptural canon and the religious thought of the ancient world.

BIBS 243 Special Topic
S1 0.1667 EFTS OL, OC, DL 20 points
A detailed study of the genre, argument and theology of the book of Job in the context of the scriptural canon and the religious thought of the ancient world.

BIBS 244 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 245 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 246 Jesus in the New Testament (Advanced)
S2 0.15 EFTS OL, OC, DL 18 points
A detailed study of the prophecy books of the Old Testament, with special reference to the theological crisis of the destruction of the Temple (586 BCE) and the Babylonian exile.

BIBS 247 God, Land and Exile in the Hebrew Prophets
NO 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 248 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the prophecy books of the Old Testament, with special reference to the theological crisis of the destruction of the Temple (586 BCE) and the Babylonian exile.

BIBS 249 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 250 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 251 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 252 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 253 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 254 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 255 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 256 Jesus in the New Testament (Advanced)
S2 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 257 God, Suffering and Justice
NO 0.15 EFTS OL, OC, DL 18 points
A detailed study of texts from the Hebrew Bible and related literature that wrestles with the problem of how God can be regarded as just in the face of the reality of suffering.

BIBS 258 Judaism in the Time of Jesus
S2 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 259 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 260 Jesus in the New Testament (Advanced)
S2 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 261 Special Topic
S1 0.15 EFTS OL, OC, DL 18 points
A detailed study of the history of biblical hermeneutics, from early Christian and Jewish interpretation to contemporary critical approaches. This paper incorporates key hermeneutical approaches, concepts, issues, and terms.

BIBS 262 Special Topic
S2 0.1667 EFTS OL, DL 20 points
A detailed study of the genre, argument and theology of the book of Job in the context of the scriptural canon and the religious thought of the ancient world.

BIBS 263 Special Topic
S1 0.1667 EFTS OL, DL 20 points
A detailed study of the genre, argument and theology of the book of Job in the context of the scriptural canon and the religious thought of the ancient world.

BIBS 264 Special Topic
S2 0.1667 EFTS OL, DL 20 points
A detailed study of the genre, argument and theology of the book of Job in the context of the scriptural canon and the religious thought of the ancient world.

BIBS 265 Special Topic
S1 0.1667 EFTS OL, DL 20 points
A detailed study of the genre, argument and theology of the book of Job in the context of the scriptural canon and the religious thought of the ancient world.
Biochemistry

BIOC 192 Foundations of Biochemistry
An introduction to the structure and function of proteins as essential elements of life processes; principles of enzymology; introductory bioenergetics; conservation of the energy of food for body processes; digestion and catalysis of fats, proteins and carbohydrates; terminal pathways of oxidation, anaerobic and aerobic metabolism, mitochondrial metabolism; energy storage and utilisation; the molecular basis of disease; illustrative topics in metabolism.

P: CHEM 191
SC: Science

BIOC 221 Molecular Biology
S1: 0.15 EFTS, OL, OC 18 points

P: CELS 191, CHEM 191 and 36 further points
R: BIOC 211, 230, MELS 230, PHCY 231
RP: BIOC 192
RC: GENE 221
SC: Science

BIOC 222 Proteins in Industry and Medicine
S2: 0.15 EFTS, OL, OC 18 points
Proteins and their functions underpin all life processes. Exploration of the diversity of protein structure and how the shape of proteins determines function. Consideration of the medical and industrial use of proteins.

P: BIOC 212, CELS 191, CHEM 191 and 18 further points
R: BIOC 230, MELS 230, PHCY 231
RP: BIOC 221, GENE 221
RC: BIOC 223
SC: Science

BIOC 223 Cellular Biochemistry and Metabolism
S2: 0.15 EFTS, OL, OC 18 points
Metabolism provides the fuels and molecules for life. How metabolic processes are regulated and coordinated in animals. Human disease states that arise from metabolic imbalances.

P: BIOC 212, CELS 191, CHEM 191 and 18 further points
R: BIOC 230, MELS 230, PHCY 231
RP: BIOC 221
RC: BIOC 222
SC: Science

BIOC 352 Advanced Molecular Biology and Bioinformatics
S1: 0.15 EFTS, OL, OC 18 points

P: BIOC 192, 221
RP: One of BIOC 222, GENE 221, 222, 223
SC: Science

Note: In approved cases a 200-level GENE paper may be substituted for BIOC 192.

BIOC 353 Molecular Basis of Health and Disease
S2: 0.15 EFTS, OL, OC 18 points
Cell signalling: how signals are received and transmitted within cells. Steroid hormone and redox signalling. Regulation of growth, development and cell death. Diseases associated with aberrant cell signalling.

P: BIOC 222 or 223
RP: BIOC 221
SC: Science

Note: In approved cases BIOC 221 and BIOC 192 may be substituted for BIOC 222 or BIOC 223.

BIOC 360 Research Perspectives in Biochemistry
S1: 0.15 EFTS, OL, OC 18 points
Development of scientific ideas and application of the scientific method. Communicating science. Current research topics in Biochemistry.

PC: Two of BIOC 351, 352, 353, 354, 355
SC: Science

BIOC 461 Research Design and Analysis in Biochemistry
FY: 0.1667 EFTS, OL, OC, DP 20 points
A supervised project involving research and leading to the production of a research report.

R: BIOC 481
LT: PGDipSci

BIOC 462 Molecular Biology
S1: 0.1667 EFTS, OL, OC, DP 20 points

S2: 0.1667 EFTS, OL, OC, DP 20 points

BIOC 463 Contemporary Technologies in Biochemistry
S2: 0.1667 EFTS, OL, OC, DP 20 points

BIOC 464 Applied Biochemistry
S2: 0.1667 EFTS, OL, OC, DP 20 points

Note: Normally available only to Biochemistry MSc students.

BIOC 480 Research Project
FY: 0.3333 EFTS, OL, OC, DP 40 points
A supervised project involving research and leading to the production of a research report.

R: BIOC 481
LT: PGDipSci

BIOC 495 Master's Thesis Preparation
FY: 0.3333 EFTS, OL, OC, DP 40 points

LT: MSc

Bioethics

BITC 201 Bioethics and the Life Sciences
S1: 0.15 EFTS, OL, OC 18 points
Explores ethical issues within, and arising from, science and technology. Covers basic ethics in science, and the moral and social implications of life science for human life, particularly its earliest stages.

P: 126 points
SC: Arts and Music, Science

BITC 202 Animal Ethics
S1: 0.15 EFTS, OL, OC 18 points
An introduction to ethical theories as they apply to non-human animals and applied ethical questions arising from animal use.

P: 126 points
SC: Arts and Music, Commerce, Science

BITC 210 Special Topic
NO: 36 points
P: 15 points
SC: Arts and Music, Science

Note: Students who have not passed 36 points may be admitted with approval from the Director of the Bioethics Centre.

BITC 211 Bioethics and Film
NO: 0.15 EFTS, OL, OC 18 points
Biomedical issues arising within contemporary films - contemporary bioethical arguments relating to these issues will be discussed and critiqued.

P: 36 points
SC: Arts and Music, Science

Note: Students who have not passed 36 points may be admitted with approval from the Director of the Bioethics Centre.

Bioengineering

BIOE 401 Research Methods
FY: 0.1667 EFTS, OL, OC 20 points
Evaluation and application of research methods in Bioengineering.

R: CLTE 453, CLTX 453, DETE 401

BIOE 402 Special Topic: Regenerative Medicine and Stem Cells
FY: 0.1667 EFTS, OL, OC 20 points
Design for a medical/bioengineering application resulting in a product, system, process or communication outcome. Emphasis on materials, technology, instrumentation and interface for unmet bioengineering needs.

R: DETE 402
Note: Design paper offerings are currently being reviewed.

BIOE 404 Medical Devices and Technology
FY: 0.1667 EFTS, OL, OC 20 points

LT: MSc, PGDipAppSc, PGCertAppSc
Note: May not be credited together with BIOE 402 passed in 2016 or 2017.

BIOE 480 Research Project
FY: 0.3333 EFTS, OL, OC 40 points
A supervised project involving research and leading to the production of a research report.

LT: MAppSc, PGDipAppSc, PGCertAppSc

BIOE 495 Master's Thesis Preparation
FY: 0.3333 EFTS, OL, OC 40 points

LT: MSc

Prescriptions

Key:
1: first semester; 2: second semester; 3: each semester; FY: full year; SS: Summer School; N1-N: non-standard periods; ND: not offered in 2020; NO (2000): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).

See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
Bioethics Centre.

May be admitted with approval from the Director of the Bioethics Centre.

Note: Students who have not passed the normal prerequisite studies, genetic research.

Animal, longitudinal research, healthy volunteer research.

Complex and controversial areas of research theory and practice, including the use of deception, research involving animals, longitudinal research, healthy volunteer research studies, genetic research.

S1 0.125 EFTS OL, DL 15 points

Current issues in bioethics and medical law with reference to theories about actual and desirable relationship of law, morals, and the biomedical sciences.

PC (BITC 401 or BITX 401) and (LAWS 447 or 547 or 448 or 548)

R BITX 403

LT DipGrad, GDipBH, MBH, MHealSc, PGDipHealSc, PGCertHealSc

Note: (i) Admission requires approval from the Director of the Bioethics Centre. (ii) There is one residential weekend held in Dunedin. (iii) Seminars and lectures for BITC 401 are AV linked. However the residential weekend is not. There is an expectation that all students attend the residential weekend.

BITC 403

Issues in Law, Ethics and Medicine

S1 0.125 EFTS OL, DL 15 points

Current issues in bioethics and medical law with reference to theories about actual and desirable relationship of law, morals, and the biomedical sciences.

PC (BITC 401 or BITX 401) and (LAWS 447 or 547 or 448 or 548)

R BITX 403

LT DipGrad, GDipBH, MBH, MHealSc, PGDipHealSc, PGCertHealSc

Note: (i) Students who have not passed the normal prerequisites or corequisites may be admitted with approval from the Director of the Bioethics Centre. (ii) There is one residential weekend held in Dunedin. (iii) Seminars and lectures for BITC 403 are AV linked. However the residential weekend is not. There is an expectation that all students attend the residential weekend.

BITC 404

Ethics and Health Care

S1 0.25 EFTS OL, DL 30 points

The ethical dimensions of major areas of contention and themes in health care and its provision as well as in the beginning of end of life issues, resource allocation, animals and ethics, mental illness and ethics, new and emerging technologies, genetics and ethics.

P BITC 401 or BITX 401

R BITX 404

LT DipGrad, GDipBH, MBH, MHealSc, PGDipHealSc, PGCertHealSc

Note: (i) Admission requires approval from the Director of the Bioethics Centre. (ii) There are two residential weekends held in Dunedin. (iii) Seminars and lectures for BITC 405 are AV linked. However the residential weekends are not. There is an expectation that all students attend both residential weekends.

BITC 405

Bioethics in Clinical Practice

S2 0.25 EFTS OL, DL 30 points

Ethical issues arising at the heart of clinical practice concerning matters such as obtaining consent, holding confidences, maintaining professional boundaries and managing multiple roles.

P BITC 401 or BITX 401

R BITX 404

LT DipGrad, GDipBH, MBH, MHealSc, PGDipHealSc, PGCertHealSc

Note: (i) Admission requires approval from the Director of the Bioethics Centre. (ii) There are two residential weekends held in Dunedin. (iii) Seminars and lectures for BITC 405 are AV linked. However the residential weekends are not. There is an expectation that all students attend both residential weekends.

BITC 406

Health Research Ethics

S1 0.125 EFTS OL, DL 15 points

Basic ethical aspects of health research on human questions arising in research from conception, design and conduct, to dissemination of research results, the role and challenges of ethical review of research, Maori in research, and research in vulnerable populations.

P BITC 401 or BITX 401

R BITX 406

LT DipGrad, GDipBH, MBH, MHealSc, PGDipHealSc, PGCertHealSc

Note: Admission requires approval from the Director of the Bioethics Centre.

BITC 407

Advanced Health Research Ethics

S2 0.125 EFTS OL, DL 15 points

Complex and controversial areas of research theory and practice, including the use of deception, research involving animals, longitudinal research, healthy volunteer research studies, genetic research.

P BITC 406 or BITX 406

R BITX 407

LT DipGrad, GDipBH, MBH, MHealSc, PGDipHealSc, PGCertHealSc

Note: Students who have not passed the normal prerequisite may be admitted with approval from the Director of the Bioethics Centre.

BITC 412

Special Topic

NO 0.125 EFTS OC 15 points

LT DipGrad, GDipBH, MBH, MHealSc, PGDipHealSc, PGCertHealSc

Note: Admission requires approval from the Director of the Bioethics Centre.

BITC 790

MHealSc Dissertation

ES, FY 0.5 EFTS OC 60 points

A supervised dissertation of up to 20,000 words presenting the results of an original research project on a relevant topic in the student's area of interest within bioethics.

LT MHealSc

BITC 890

MBHL Dissertation

N1, N2, N3 0.4 EFTS OC 60 points

A supervised dissertation of up to 20,000 words presenting the results of an original research project on a relevant topic in the student's area of interest within bioethics and MBHL.

LT MBHL

Biological Anthropology

BioA 101 Introduction to Biological Anthropology

S2 0.15 EFTS OL, OC 18 points

An introduction to Biological Anthropology, focusing on the biocultural and evolutionary processes and how these have shaped who we are today.

R BIOA 201

SC Arts and Music, Science

Note: Students who have passed BIOA 201 are not permitted to take BIOA 101.

BioA 201 Biocultural Human Skeletal Biology

S1, SS 0.15 EFTS OL, OC 18 points

An introduction to human bioarchaeology, particularly evolutionary and comparative anatomy of the human body, what makes it unique among other primates, and why it varies among populations. Includes aspects of forensic anthropology.

P (One of BITC 401, ANTH 103, 106, BIOA 101, BIOI 112, CELS 191, HUBS 191, 192) and 36 further points) or 108 points

SC Arts and Music, Science

BioA 301 Biological Anthropology of the Human Skeleton

S1 0.15 EFTS OL, OC 18 points

Biological variation of the human skeleton. Application of the theory and methods of analysis used to study morphological and genetic variation and health in human skeletal remains excavated from archaeological sites.

P BIOA 201

SC Arts and Music, Science

BioA 401 Advanced Biological Anthropology

FY 0.1667 EFTS OL, OC 20 points

Advanced studies in biological anthropology, with a particular emphasis on human variation in the South Pacific and Southeast Asia – molecular and biocultural approaches.

P BIOA 301

Biomedical Sciences

BMED 4AF 4AF-GT entails supervisory laboratory projects involving original research and leading to the production of a thesis. Seminars, essays and a literature survey in areas of biomedical sciences that form the background to work undertaken in the research project.

BMED 4Af Research in Drugs and Human Health

N1 1.0 EFTS OC 120 points

LT BBiomedSci(Hons)

BMED 4BF Research in Functional Human Biology

N1 1.0 EFTS OC 120 points

LT BBiomedSci(Hons)

BMED 4DF Research in Infection and Immunity

N1 1.0 EFTS OC 120 points

LT BBiomedSci(Hons)

BMED 4DF Research in Molecular Basis of Health and Disease

N1 1.0 EFTS OC 120 points

LT BBiomedSci(Hons)

Botany

BTNY 201 Plant Functional Biology and Biotechnology

S1 0.15 EFTS OL, OC 18 points

The key cellular processes that facilitate plant growth and development; how these processes are regulated by the environment; how plants respond to stressful conditions; applications in conventional plant breeding, biotechnology and food production.

P One of BIOL 112, 113, 123, BTNY 111, CELS 191, ECOL 111, HUBS 191, 192, and 18 further points from Science Schedule C

R BTNY 221

SC Science

BTNY 202 Plant and Fungal Diversity

S2 0.15 EFTS OL, OC 18 points

Plant and fungal diversity with an emphasis on New Zealand species, the processes that drive species diversification, and methods for exploring and describing evolutionary relationships among species.

P One of BIOL 112, 113, 123, BTNY 111, CELS 191, ECOL 111, HUBS 191, 192, and 18 further points from Science Schedule C

R BTNY 223

SC Science

BTNY 203 Marine and Freshwater Botany

S2 0.15 EFTS OL, OC 18 points

The diversity, physiology and ecology of marine and freshwater plants, algae and cyanobacteria.

P One of (BIOL 112, 113, 123, BTNY 111, CELS 191, HUBS 191, 192) and one of (ECOL 111, MAR 112)

R BTNY 225

SC Science

BTNY 301 Plant Ecology

S1 0.15 EFTS OL, OC 18 points

Ecophysiological, systems, life-history and community perspectives on how plants respond to and influence their environment, across a range of terrestrial, freshwater and marine ecosystems.

P Two of BTNY 201, 202, 203, ECOL 211, 212, GENE 222, 223, GEGG 287, 290, MAR 202, STAT 210, ZOOL 221, 222, 223

SC Science
### Business Administration

**Note for BBDA 901-909:** This paper includes a compulsory on-campus component.

#### BBDA 901 Organisational Leadership and Change
- **Credit Points:** 0.1667 EFTS
- **Offered in:** OL, OC, DL
- **Prerequisites:** N1
- **Description:** The principles of leadership styles and success; how attitudes can impact on individual and organisational performance, corporate cultures; the principles of organisational change, how it is implemented and leading change.

#### BBDA 902 Organisational Psychology
- **Credit Points:** 0.1667 EFTS
- **Offered in:** OL, OC, DL
- **Prerequisites:** N1
- **Description:** The principles of organisational psychology, the role of emotional intelligence, the realities of group dynamics and group behaviour, intergroup conflict and cooperation.

#### BBDA 903 Globalisation and International Trade
- **Credit Points:** 0.1667 EFTS
- **Offered in:** OL, OC, DL
- **Prerequisites:** N1
- **Description:** Critical issues in the operation of multi-national businesses, including currency hedging, biodiversity, security, sustainability, tax havens, risk, and changing geo-economic power.

#### BBDA 904 Contemporary Issues in Finance
- **Credit Points:** 0.1667 EFTS
- **Offered in:** OL, OC, DL
- **Prerequisites:** N1
- **Description:** An investigation of contemporary issues in micro-finance, examining Fin-Tech, behavioural finance, financial regulation, finance and monetary policy and emerging market finance.

#### BBDA 905 Research Methodology I
- **Credit Points:** 0.3333 EFTS
- **Offered in:** OL, OC, DL
- **Prerequisites:** N1
- **Description:** The research process from the theories of research epistemologies through generating research ideas and developing a research design.

#### BBDA 906 Research Methodology II
- **Credit Points:** 0.3333 EFTS
- **Offered in:** OL, OC, DL
- **Prerequisites:** N1
- **Description:** The practice of undertaking research from selecting a methodology through primary data collection and using secondary data, including statistics and big-data analysis.

### Requirements

**Note for BBDA 901-909:** This paper includes a compulsory on-campus component at Shanghai Jiao Tong University.

**Key:**
- **S1:** first semester
- **S2:** second semester
- **E1:** each semester
- **FY:** full year
- **SS:** Summer School
- **N1-6:** non-standard periods
- **ND:** not offered in 2020
- **NO:** (20XX): not offered in 2020 to 20XX
- **OL:** offered, expected to be offered in the year noted
- **DL:** Paper supported by online learning management system
- **OC:** Paper is available on campus
- **PC:** Paper is available by Distance Learning
- **RP:** Recommended concurrent study
- **SC:** Schedule C
- **OL, OC, DL:** Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin)
- **OL, OC, DL, DP:** A range of statistical tools from basic descriptive statistics to the more advanced methods available to support business analysis and decision making.

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### Buddhist Studies

**See minor subject requirements (page 98)**
BMBA 507 Accounting
N1, N2, N4, N6 0.125 EFTS OL, OC, DL, DP 15 points
The basis of measurement and valuation used in financial and management accounting, and views on the different accounting approaches to support business decisions.
LT DipliBusAdmin, MBA, PGDipHealMgt, MHealSc, PGDipFLM, MFBLM

BMBA 508 Investment and Global Financial Markets
N1, N3, N5, N6, N7 0.125 EFTS OL, OC, DL, DP 15 points
International financial markets, corporate governance, the time value of money, capital asset pricing models, and financial planning and risk management.
LT DipliBusAdmin, MBA, PGDipHealMgt, MHealSc, PGDipFLM, MFBLM

BMBA 509 Strategic Planning for International Markets
N1, N3, N5, N6 0.125 EFTS OL, OC, DL, DP 15 points
The integration of strategic business functions and processes by which business leaders prepare their firms for growth, and typical problems faced in planning for business growth.
LT DipliBusAdmin, MBA, PGDipHealMgt, MHealSc, PGDipFLM, MFBLM

BMBA 510 Leading Sustainable Enterprises
N1, N2, N5 0.125 EFTS OL, OC, DL, DP 15 points
Concepts and approaches to provide an appreciation of sustainability and sustainable development in relation to business, and the legal, institutional, national and global contexts of sustainability.
LT DipliBusAdmin, MBA, PGDipHealMgt, MHealSc, PGDipFLM, MFBLM

BMBA 511 Operational Excellence
N1, N4, N6 0.125 EFTS OL, OC, DL, DP 15 points
Key management decisions in areas of operations strategy, supply chain configuration and quality management, and techniques to analyse operational implications in different business sectors.
LT DipliBusAdmin, MBA, PGDipHealMgt, MHealSc, PGDipFLM, MFBLM

BMBA 512 International Business
N1, N2, N4 0.125 EFTS OL, OC, DL, DP 15 points
Business organisations in a global context, and the diverse approaches of firms and companies in various global markets and locations.
LT DipliBusAdmin, MBA, PGDipHealMgt, MHealSc, PGDipFLM, MFBLM

BMBA 513 Strategy Implementation
N1, N3, N5 0.125 EFTS OL, OC, DL, DP 15 points
The success factors relating to strategy implementation, the importance of sales and cash flow management, and the skills required to execute a strategic plan and present under pressure.
LT DipliBusAdmin, MBA, PGDipHealMgt, MHealSc, PGDipFLM, MFBLM

BMBA 525 MBA International Exchange Papers
ES 0 EFTS OC, DP 30 points
This component of the MBA programme is a grouping of approved elective papers.
LT MBA

BMBA 530 Business Project
NO 0.25 EFTS OC, DL, DP 30 points
The application of knowledge and skills acquired on the DipliBusAdmin programme to a specific business problem.
LT DipliBusAdmin, PGDipHealMgt, MHealSc

BMBA 535 MBA International Exchange Papers
NO 0.125 EFTS OC, DP 60 points
This component of the MBA programme is a grouping of approved elective papers.
LT MBA

BMBA 540 MBA Business Project
NO 0.375 EFTS OL, OC, DL, DP 45 points
The application of knowledge and skills acquired on the MBA programme to a specific business problem.
LT MBA

BMBA 550 MBA Elective Papers
N1, N2, N3, N4 0.5 EFTS OC, DL, DP 60 points
This component of the MBA programme is a grouping of approved elective papers.
LT MBA

BMBA 560 MBA Elective Papers
NO 0.25 EFTS OC, DL, DP 30 points
This component of the MBA programme is a grouping of approved elective papers.
LT MBA

BUSC 510 General Management Concepts
N1, N2 0.125 EFTS OC 15 points
Introduction to the latest concepts and practices in the different general management areas including finance for non-financial managers, marketing management, communication skills, and strategic management.
R BUSC 515 LT PGCertEM, PGDipEM

BUSC 511 Strategic Thinking
N1, N2 0.125 EFTS OC 15 points
Gives participants the knowledge and skills to help make their organisations more competitive, and to provide a planning format that can guide the formulation and implementation of competitive business strategies.
LT PGCertEM, PGDipEM

BUSC 512 Enhancing Leadership
N1, N2 0.125 EFTS OC 15 points
The current theory and implications for good leadership, including the characteristics of high-quality leadership. Team leadership, leading the performance of subordinates, understanding corporate culture and leading organisational change will be examined.
LT PGCertEM, PGDipEM

BUSC 513 Marketing – Creating Value For Customers
N1, N2 0.125 EFTS OC 15 points
The role, function and scope of marketing as it exists within the firm and also as it relates to other employees and stakeholders, including the process and issues involved in developing and implementing a marketing plan.
LT PGCertEM, PGDipEM

BUSC 516 Managing People and Performance
N1, N2 0.125 EFTS OC 15 points
Current models of strategic Human Capital management, rewards systems, performance management, training and development, employment law and human rights.
LT PGCertEM, PGDipEM

BUSC 518 Innovation and Entrepreneurship
N1, N2 0.125 EFTS OC 15 points
The current theory and implication for corporate entrepreneurship strategies including product development and new venture planning. Strategic innovation, opportunity recognition, protection of intellectual property and understanding innovation and entrepreneurship culture will be examined.
LT PGCertEM, PGDipEM

BUSC 520 The Art of Labour Negotiations
N1, N2 0.125 EFTS OL, OC 15 points
An intensive, experience-based paper looking at collective bargaining, philosophy of labour law, conventions and ethics, strategies and tactics, practices and procedures. Participants will work through all of the processes in an intensive week of hands-on bargaining.
LT PGCertEM, PGDipEM

BUSC 523 Corporate Sustainability
N1, N2 0.125 EFTS OL, OC 15 points
An intensive paper looking at sustainability and business in general, climate change, emissions trading, carbon and ecological footprints. The participants will work through key aspects in measuring and managing for sustainability.
LT PGCertEM, PGDipEM

BUSC 524 Project Management
N1, N2 0.125 EFTS OL, OC 15 points
An intensive paper looking at a systematic presentation and analysis of the approaches, techniques and tools used in project management.
LT PGCertEM, PGDipEM

BUSC 590 Business Project in Executive Management
N1 0.25 EFTS OL, OC 30 points
Students work with clients to understand their business and prepare a report to a real business problem. Both the ability to manage the project process and final report are marked.
LT MBA
Note: CELS 199 may be taken only by students approved by the Course Coordinator. To be eligible for approval, students must have enrolled in CELS 191 in the first semester of the same academic year and failed the paper with a D or F result overall but passed the laboratory assessment; in addition, students must have passed at least one 18 point paper in the first semester.

Chaplaincy

See programme requirements (page 67).

Chemistry

CHEM 111 Chemistry: Molecular Architecture
S2 0.15 EFTS OL, OC 18 points
An introduction to modern structural chemical science covering: states of matter: gas, liquid, solid, solutions, atomic structure; chemical bonding; stereochemistry, isomerism, conformational analysis; methods of structural determination: spectroscopy (electronic absorption, infrared, nuclear magnetic resonance), mass spectrometry, colloids.
SC Science

Note: It is strongly recommended that students enrolling in CHEM 111 have a minimum of 14 credits in NCEA Level 3 Chemistry (or equivalent).

CHEM 150 Concepts in Chemistry
S5 0.15 EFTS OL, OC, DL 18 points
Introduction to the core ideas and methods of chemistry, recommended for students with limited chemistry backgrounds. Topics include stoichiometry, equilibria, thermochemistry, redox, acid-base chemistry and main group and organic chemistry.
SC Science

Notes: (i) Students who have achieved 14 credits of NCEA level 2 chemistry or more, or any credits of NCEA level 3 chemistry (or their equivalents) will need Head of Department approval to enrol in the course. (ii) CHEM 150 cannot be credited to a degree if CHEM 191 or CHEM 191 has been passed previously. (iii) No other Summer School paper may be taken concurrently with CHEM 150.

CHEM 191 The Chemical Basis of Biology and Human Health
S1, S5 0.15 EFTS OL, OC, DP 18 points
An introduction to the concepts of chemistry underlying important processes in biology and human health, including chemical bonding, energetics, kinetics, equilibria and solubility, properties of water and solutions, acids, bases, complexation and electron transfer, mechanisms of organic reactions and properties of amino acids and carbohydrates.
R CHEM 112
SC Science

Notes: (i) It is strongly recommended that students enrolling in CHEM 191 have a minimum of 14 credits in NCEA Level 3 Chemistry (or equivalent). (ii) May only be taken at Summer School by students who were enrolled in CHEM 191 in the first semester of the previous year, and passed the lab requirements but failed the paper as a whole.

CHEM 201 Physical Chemistry and its Applications
S1 0.15 EFTS OL, OC 18 points
Fundamental physical chemical and its application to chemical processes. Includes spectroscopy, quantum mechanics, thermodynamics, and kinetics.
P CHEM 111 or 191 (with a grade of at least B)
RP MATH 151 or 160 or 170
SC Science

CHEM 202 Organic Chemistry
S2 0.15 EFTS OL, OC 18 points
Introduction to organic synthesis, the synthesis of carbon frameworks and selective manipulation of functional groups. Stereochemical and structural features of synthesis and the structural characterisation of organic compounds.
P CHEM 111 or 191
RP CHEM 111, 191
SC Science

CHEM 203 Main Group and Coordination Chemistry
S2 0.15 EFTS OL, OC 18 points
Principles of main group chemistry illustrated by the chemistry of the hydrides and organometallic compounds of the Main Group elements. Basic coordination chemistry emphasising structure and bonding in coordination complexes. An introduction to lanthanides and to symmetry in chemistry.
P CHEM 111 or 191 or 112
RP CHEM 111 and (CHEM 191 or 112)
SC Science

CHEM 205 Biological Chemistry
S1 0.15 EFTS OL, OC 18 points
Bioenergetics of metabolism at a molecular level. Metal ion coordination chemistry and its applications in biological systems. Chemistry of amino acids and peptide formation. Chemistry of nucleic acids, phosphate esters and enzyme reactions.
P CHEM 111 or 191 or 112
RP CHEM 111 and (CHEM 191 or 112)
SC Science

CHEM 206 Analytical Chemistry
S2 0.15 EFTS OL, OC 18 points
Fundamentals of quantitative analysis, including mass spectrometry, spectroscopy, electrochemistry, and separation methods. Applications of analytical chemistry are highlighted through examples in marine, forensic, environmental, and health-related fields.
P 18 100-level CHEM points and at least 72 further points
RP STAT 110 or 115
SC Science

CHEM 301 Physical Chemistry
S1 0.15 EFTS OL, OC 18 points
Principles underlying chemical structure, chemical bonding and quantum mechanics, spectroscopy, surface chemistry and colloids and electrochemistry.
P 18 200-level CHEM points
RP CHEM 201
SC Science

CHEM 302 Organic Chemistry
S2 0.15 EFTS OL, OC 18 points
Application of the principles of organic chemistry to an understanding of why organic compounds react as they do, to develop the ability to predict the course of a chemical reaction to allow for the design of controlled and selective chemical transformations.
P CHEM 202
SC Science

CHEM 303 Inorganic and Organometallic Chemistry
S1 0.15 EFTS OL, OC 18 points
Concepts of bonding, coordination chemistry, solid state structure and multinuclear NMR will be used to predict and rationalise the synthesis, structure and reactivity of inorganic and organometallic compounds.
P CHEM 202 or 203
RP CHEM 202, 203
SC Science

CHEM 304 Environmental Chemistry
S2 0.15 EFTS OL, OC 18 points
Chemistry of the lithosphere, atmosphere, and hydrosphere. Fate, transport, and biogeochemical cycling of inorganic and organic chemicals among the compartments of the Earth.
P 18 100-level CHEM points
R CHEM 204
RP CHEM 201
SC Science

CHEM 305 Biological Chemistry
S1 0.15 EFTS OL, OC 18 points
Application of fundamental chemistry principles to an understanding of chemical reactions and molecular structure in biological systems.
P 18 200-level CHEM points
RP CHEM 205
SC Science

Prescriptions

Key:

S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1: non-standard period; ND: not offered in 2020; NO (2000): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OP: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; PR: Required; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C: Location paper is taught at or, from (if no location mentioned, paper is taught at, or, from, Dunedin).

See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
CHEM 306 Forensic Chemistry
S2 0.15 EFTS OL, OC 18 points
Application of modern chemical analysis to practical scientific and technical situations, with particular emphasis on producing evidence for use in the judicial system.

P FORS 201 or 18 200-level CHEM points
SC Science

CHEM 371 Special Topic
NO 0.15 EFTS OC 18 points
Fundamentals of synthetic laboratory research including synthesis and separations of material, quantitative analysis, electrochemistry, and separation methods.
P 54 200-level CHEM points and at least 72 further points
SC Science

CHEM 390 Critical Readings in Chemistry
FY 0.15 EFTS OC, DP 18 points
An introduction to the concepts and practice of research methodology and analysis through critical assessment of published literature, attendance at departmental seminar presentations and a research project.

SC Science

CHEM 461 Topics in Advanced Chemistry
FY 0.1667 EFTS OL, OC 20 points

CHEM 462 Topics in Advanced Chemistry
FY 0.1667 EFTS OL, OC 20 points

CHEM 463 Topics in Advanced Chemistry
FY 0.1667 EFTS OL, OC 20 points

CHEM 464 Topics in Advanced Chemistry
FY 0.1667 EFTS OL, OC 20 points

CHEM 480 Research Project
FY 0.3333 EFTS OC 40 points
A supervised project involving research and leading to the production of a research report.
R CHEM 481
LT PGDipSci

CHEM 490 Dissertation
FY 0.5 EFTS OC 60 points
A supervised project involving original research and leading to the production of a dissertation.
LT BSc(Hons), PGDipSci

CHHE 701 Community Child Health
ES 0.2 EFTS OL, DL 30 points
Community aspects of child health and child health services.
R CHIK 701
LT DCH, MHealSc, PGDipHealSc

Note: A compulsory paper for DCHM, may also be taken by other approved health professionals.

CHHE 702 Clinical Attachment in Paediatrics
ES 0.3 EFTS OL, DL, DP 90 points
Develops clinical knowledge, skills and attitudes concerning paediatrics and child health to a postgraduate level appropriate for a general practitioner with a special interest in children. Topics covered include neonatal paediatrics and general paediatrics in inpatient and outpatient settings.
R CHIK 702
LT DCH

Note: A compulsory paper for DCHM, may also be taken by other approved medical graduates; every student must hold a current six-month clinical position in a medical paediatric department of an approved New Zealand hospital.

Chinese

CHIN 131 Introductory Chinese 1
S1 0.15 EFTS OL, OC 18 points
An introductory course in reading, writing, speaking and listening to Chinese for students with no previous knowledge of the language. The paper takes an integrated approach to the skills of language acquisition and includes basic material on the cultural heritage of the Chinese people.

R CHIN 101 or CHIN 132 or any other more advanced Chinese language paper
SC Arts and Music

Note: This paper is for beginners only and is not available to students who have passed NCEA Level 2 or 3 (or equivalent) in Chinese. For further information, contact the Department of Languages and Cultures (languages@otago.ac.nz)

CHIN 132 Introductory Chinese 2
S2 0.15 EFTS OL, OC 18 points
A continuation of CHIN 131, further developing students' basic language skills in reading, writing, speaking and listening at an elementary level. The paper takes an integrated approach to the skills of language acquisition and includes basic material on the cultural heritage of the Chinese people.

R CHIN 101 or 131
R CHIN 102 or CHIN 231 or any other more advanced Chinese language paper
SC Arts and Music

Note: You may be able to take this paper without the prerequisite if you can demonstrate the required ability via Special Permission as part of paper selection on the Review and Submit page. This request together with any documentation you provide or request for the transfer of credit(s) will then be submitted for approval.

Note for CHIN 231-232: If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.

CHIN 231 Intermediate Chinese 1
S1 0.15 EFTS OL, OC 18 points
The development of skills in Chinese language to an intermediate level, with equal emphasis on speaking, listening, reading, and writing. Students will be introduced to basic types and features of Chinese written discourse and cultural themes.

R CHIN 132
R CHIN 232 or any other more advanced Chinese language paper
SC and Music

CHIN 232 Intermediate Chinese 2
S2 0.15 EFTS OL, OC 18 points
A continuation from CHIN 231 of communicative language study.

R CHIN 231
R CHIN 334 or any other more advanced Chinese language paper
SC and Music

CHIN 241 Contemporary Chinese Society
S1 0.15 EFTS OL, OC 18 points
An introduction to the socio-cultural dynamics of China's transformation, drawing on anthropological perspectives to illuminate how critical issues such as urbanisation, religion, and gender are shaped by China's past, its present, and global forces. Taught in English.

R 18 points
SC and Music

CHIN 242 Screening Chinese Cinemas
NO (2021) 0.15 EFTS OL, OC, DL 18 points
Examination of Chinese cinematic practices – blockbusters, controversial documentaries and digital microcinema – with a focus on its contribution to world cinema. No knowledge of Chinese language is required.

R 18 points
SC Arts and Music

CHIN 243 Reading Chinese Literature in the World
S1 0.15 EFTS OL, OC 18 points
An introduction to modern Chinese literature by exploring its contribution to world literature and its thematic and stylistic relations with other literatures. No knowledge of Chinese language is required.

R 36 points
P CHIN 240, 343
SC and Arts

Note: At least one 100-level CHIN or ENGL paper is highly recommended.

CHIN 244 Writing China: Texts, Ideas and History
NO (2021) 0.15 EFTS OL, OC 18 points
A cultural-historical approach to examining the transformations of the Chinese culture of writing in the modern world. The course is taught in English. No previous knowledge of Chinese is required.

R 36 points
P CHIN 344
SC and Arts

CHIN 250 Practical Chinese: Chinese/English Translation
S2 0.15 EFTS OL, OC 18 points

R 36 points
SC and Arts

Note for CHIN 334-335: If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.

CHIN 334 Advanced Chinese 1
S1 0.15 EFTS OL, OC 18 points
An extension of the communicative approach seeking to develop linguistic skills appropriate to students' future career and social needs.

R CHIN 232 or 212
R CHIN 331 or CHIN 335 or any other more advanced Chinese language paper
SC and Music

CHIN 335 Advanced Chinese 2
S2 0.15 EFTS OL, OC 18 points
An extension of the communicative approach seeking to develop linguistic skills appropriate to students' future career and social needs.

R CHIN 334
R CHIN 331
SC and Music

CHIN 342 Screening Chinese Cinemas
NO (2021) 0.15 EFTS OL, OC, DL 18 points
Examination of Chinese cinematic practices – blockbusters, controversial documentaries and digital microcinema – with a focus on its contribution to world cinema. No knowledge of Chinese language is required.

R 18 200-level CHIN, MFCO, VISC points
R CHIN 242, CHSX 242, 342
SC Arts and Music

CHIN 343 Reading Chinese Literature in the World
S1 0.15 EFTS OL, OC 18 points
An introduction to modern Chinese literature by exploring its contribution to world literature and its thematic and stylistic relations with other literatures. No knowledge of Chinese language is required.

R 18 200-level CHIN or ENGL points
R CHIN 243, 204
SC Arts and Music

CHIN 344 Writing China: Texts, Ideas and History
NO (2021) 0.15 EFTS OL, OC 18 points
A cultural-historical approach to examining the transformations of the Chinese culture of writing in the modern world. The course is taught in English. No previous knowledge of Chinese is required.

R 18 200-level CHIN or HIST points
R CHIN 244
SC Arts and Music

Note: You may be able to take this paper without the prerequisite if you can demonstrate the required ability via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.
Christian Thought and History

CHTH 102 The History of Christianity
S2 0.15 EFTS OL, OC, DL 18 points
A survey of the history of Christianity from 100 AD to the present day: from early formation to recent contexts in Nazi Germany, Soviet Russia and North America.
R CHTH 101, CHTX 101, 102
SC Arts and Music, Theology

CHTH 111 Doing Theology
S1 0.15 EFTS OL, OC, DL 18 points
What is theology? How do we do it, and why? Exploring Christian thinking on Jesus Christ, God, the Trinity, salvation, creation, and the last things.
R CHTH 111
SC Arts and Music, Theology

CHTH 131 God and Ethics in the Modern World
S1 0.15 EFTS OL, OC, DL 18 points
An introduction to Christian ethics in the modern world with particular attention to the major cultural shifts that have shaped contemporary thinking about God, ethics, religion and law.
R CHTH 131
SC Arts and Music, Theology

CHTH 206 The Reformation
NO 0.15 EFTS OL, OC, DL 18 points
The sixteenth century Reformation broke apart western Christendom. By focusing on powerful forces and intriguing personalities, this paper explores why and how that happened, and what it meant for the western world.
R P CHTH 300
SC Arts and Music, Theology

CHTH 213 Issues in Theology
S2 0.15 EFTS OL, OC, DL 18 points
A special topic focusing on central issues and debates in Systematic Theology. (Currently: The Trinity)
R One of CHTH 101, 111, 131, CHTX 101, 102, 111, 131
SC Arts and Music, Theology

CHTH 217 Special Topic
NO 0.15 EFTS OL, OC, DL 18 points
An investigation of the Māori religious worldview and Māori engagement with Christianity.
R 36 100-level points
SC Arts and Music, Theology
Note: May not be credited together with CHTH 317 passed in 2019.

CHTH 218 The Person and Work of Christ
S1 0.15 EFTS OL, OC, DL 18 points
Who is Jesus and what is his significance? Considers Christian thinking about the person and work of Jesus from the early church to the present day.
R One of CHTH 101, 102, 111, 131, CHTX 101, 102, 111, 131
SC Arts and Music, Theology

CHTH 224 Theology and the Environment
NO 0.15 EFTS OL, OC, DL 18 points
An examination of public theology's contribution to social, environmental and ethical issues, such as poverty, family violence, human trafficking, and environmental stewardship.
R CHTH 211, 218, 311
SC Arts and Music, Theology

CHTH 231 Christianity, War and Violence
S2 0.15 EFTS OL, OC, DL 18 points
A systematic examination of the meaning of morality and the foundations of ethics in Scripture; an analysis of Christian conceptions of morality from various perspectives; an examination and analysis of particular ethical issues surrounding Christian involvement in war and response to war and violence.
R 36 100-level points
SC Arts and Music, Theology

CHTH 233 Public Theology: Faith in the Public Square
S1 0.15 EFTS OL, OC, DL 18 points
A critical study of the nature of Christian theology as public discourse: aims and methods, challenges and possibilities.
R 36 100-level points
SC Arts and Music, Theology

CHTH 235 Special Topic
S2 0.15 EFTS OL, OC, DL 18 points
An exploration of the relationship between Christian theology and Science, including investigation of historical debates and issues of current concern.
R 36 100-level points
SC Arts and Music, Theology

CHTH 305 The Roots of Public Theology
NO 0.15 EFTS OL, OC, DL 18 points
The biblical and patristic roots of public theology; the contribution to public theology by thinkers and activists from the 16th-20th century.
R One of CHTX 217, CHTX 414
SC Arts and Music, Theology

CHTH 306 The Reformation (Advanced)
NO 0.15 EFTS OL, OC, DL 18 points
The sixteenth century Reformation broke apart western Christendom. By focusing on powerful forces and intriguing personalities, this paper explores why and how that happened, and what it meant for the western world.
R P One 200-level CHTH or CHTX paper
SC Arts and Music, Theology
CHTH 322 Citizenship, Democracy and Discipleship
No EFTS OL, OC, DL 18 points
Examination of the relationship between Christian discipleship and democratic citizenship, with particular attention to the biblical and theological principles that support robust civic engagement by Christians.

P One 200-level CHTH or CHTX paper
R CHTH 422
SC Arts and Music, Theology

CHTH 323 Theology and Human Well-being
No 0.15 EFTS OL, OC, DL 18 points
An investigation of Christian understandings of what it is to be human and their implications for human well-being in contemporary society.

P One 200-level CHTH paper
R CHTH 423
SC Arts and Music, Theology

Note: May not be credited together with CHTH 215 or CHTH 315 passed before 2013.

CHTH 324 Theology and the Environment
N1 0.15 EFTS OL, OC, DL 18 points
Engaging with biblical, historical and contemporary theological reflections on nature, aspirations and theology of sixteenth and modern culture.

P 18 200-level points
R CHTH 224
SC Arts and Music, Theology

CHTH 331 Christianity, War and Violence (Advanced)
S2 0.15 EFTS OL, OC, DL 18 points
A systematic examination of the meaning of morality and the justification of violence in Scripture; an analysis of Christian conceptions of morality from various perspectives; an examination and analysis of particular ethical issues surrounding Christian involvement in and responses to war and violence.

P 18 200-level points
R CHTH 231, CHTH 231, 331
SC Arts and Music, Theology

CHTH 333 Public Theology: Faith in the Public Square (Advanced)
S1 0.15 EFTS OL, OC, DL 18 points
A critical study of the nature of Christian theology as public discourse: aims and methods, challenges and possibilities.

P One 200-level CHTH or CHTX paper
R CHTH 233, 413, CHTH 413, 333
SC Arts and Music, Theology

Note: May not be credited with CHTH 313 or CHTX 411 passed in 2009.

CHTH 335 Special Topic
S2 0.15 EFTS OL, OC, DL 18 points
An exploration of the relationship between Christian theology and Science, including investigation of historical debates and issues of current concern.

P 36 200-level points
SC Arts and Music, Theology

Note: May not be credited together with CHTH 335 passed in 2018.

CHTH 403 The Puritans: Working out the English Reformation
S2 0.1667 EFTS OL, DL 20 points
The nature, aspirations and theology of sixteenth and seventeenth-century English Puritans in their historical context, including those Puritans who moved to New England to build a city on a hill.

LT BTheol(Hons), BA(Hons), PG DipTheol, PG DipArts

CHTH 405 The Roots of Public Theology
NO 0.1667 EFTS OL, OC, DL 20 points
Biblical and patristic roots of public theology; the contribution to public theology by thinkers and activists from the 16th-20th century.

P One 200-level CHTH or CHTX paper
R CHTH 305, CHTX 305

CHTH 414 The Theology of Søren Kierkegaard (Advanced)
S1 0.1667 EFTS OL, OC, DL 20 points
An examination of the theology of Søren Kierkegaard considering both his account of the individual before God and his profound critiques of Christendom, the Church, and modern culture.

P One 300-level CHTH or CHTX paper
R CHTH 314, CHTX 314, 414

Note: May not be credited together with CHTH 313 or CHTH 411 passed in 2005 or CHTH 316 or CHTH 430 passed in 2009 or CHTH 316 or CHTH 412 passed in 2011.

CHTH 415 Reconciliation, Christian Ethics and Public Theology (Advanced)
NO 0.1667 EFTS OL, OC, DL 20 points
The challenges posed by social reconciliation in different countries in recent times, and their relevance to Christian Ethics and Public Theology.

R CHTH 319
LT BA(Hons), PG DipArts, PG CertChap, PG DipChap, MChap, PG DipFBLM, MBLM, BTheol(Hons), PG DipTheol, MTheol, PG DipMin, MMin

Note: This paper includes a compulsory intensive course in Auckland

CHTH 416 The Theology of Bonhoeffer
NO 0.1667 EFTS OL, OC, DL 20 points
A close reading of selected texts from Dietrich Bonhoeffer’s corpus concerning his account of ‘what Christianity really is, or, indeed who Christ really is, for us today’.

LT BTheol(Hons), BA(Hons), PG DipTheol, PG DipArts

Note: May not be credited together with CHTH 430 or CHTX 430 passed in 2010, 2012 or 2014.

CHTH 420 Public Theology and Social Justice (Advanced)
S1 0.1667 EFTS OL, OC, DL 20 points
An examination of public theology’s contribution to social justice, through case studies of contemporary public issues, such as poverty, family violence, human trafficking, and environmental stewardship.

R CHTH 320
LT BA(Hons), PG DipArts, PG CertChap, PG DipChap, MChap, PG DipFBLM, MBLM, BTheol(Hons), PG DipTheol, MTheol, PG DipMin, MMin

CHTH 422 Citizenship, Democracy and Discipleship (Advanced)
NO 0.1667 EFTS OL, OC, DL 20 points
Examination of the relationship between Christian discipleship and democratic citizenship, with particular attention to the biblical and theological principles that support robust civic engagement by Christians.

P One 300-level CHTH or CHTX paper
R CHTH 322

CHTH 423 Theology and Human Well-being (Advanced)
NO 0.1667 EFTS OL, OC, DL 20 points
An investigation of Christian understandings of what it is to be human and their implications for human well-being in contemporary society.

R CHTH 323
LT BA(Hons), PG DipArts, PG CertChap, PG DipChap, MChap, PG DipFBLM, MBLM, BTheol(Hons), PG DipTheol, MTheol, PG DipMin, MMin

SC Theology

Note: May not be credited together with CHTH 215 or CHTH 315 passed before 2013.

CHTH 490 Dissertation
NO 0.5 EFTS OL, DL 60 points
Supervised individual research on a topic in Christian thought and history.

R CHTH 490
LT BA(Hons), BTheol(Hons), PG DipArts, PG Dip Theol

CLAS 108 Classical Art and Archaeology: Of Heroes, Gods and Men
S1 0.15 EFTS OL, OC 18 points
An introductory study of Classical art and archaeology, examining both the ancient Greek and Roman worlds.

SC Arts and Music

CLAS 109 Roman Social History: Slaves, Gladiators, Prostitutes
S1 0.15 EFTS OL, OC 18 points
A study of ancient Roman social life, with particular emphasis on the marginalised (or so-called ‘invisible’) lower classes, including slaves, gladiators, prostitutes and bandits.

R CLAS 224
SC Arts and Music

CLAS 230 Special Topic
NO 0.15 EFTS OC 18 points
P (18 CLAS, GREK or LATN points) or 54 points
SC Arts and Music

CLAS 232 Love and War in Graeco-Roman Literature
S1 0.15 EFTS OL, OC 18 points
A survey of major authors of Greece and Rome from Homer to Juvenal, featuring narratives of love and war.

P (18 CLAS, GREK or LATN points) or 54 points
SC Arts and Music

CLAS 238 Fantasies, Phobias and Families in Graeco-Roman Myth
S1 0.15 EFTS OL, OC 18 points
Examines mythic figures from a psychological perspective and their role as models for positive and negative social relationships.

P (18 CLAS, GREK or LATN points) or 54 points
SC Arts and Music

Note for CLAS 240, 240, 330, 331, 337: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

CLAS 240 The Classical World in the Movies
SS 0.15 EFTS OL, OC 18 points
A study of the mythology, history, warfare, literature, art, archaeology and culture of ancient Greece and Rome in ancient literary and artistic evidence, and as depicted in movies and on television.

P (18 CLAS, GREK or LATN points) or 54 points
SC Arts and Music

CLAS 241 Alexander the Great
S2 0.15 EFTS OL, OC 18 points
A study of the conquest of Persia by Alexander the Great, exploring in particular the military, political and social issues of his reign and campaigns.

P (18 CLAS, GREK or LATN points) or 54 points
R CLAS 334
SC Arts and Music

CLAS 242 Living and Dying in Classical Athens
S1 0.15 EFTS OL, OC 18 points
A study of social life in fifth-century BC Athens. Topics include the Greek family and the role of law, literature and political power in Athenian life.

P (18 CLAS, GREK or LATN points) or 54 points
R CLAS 332
SC Arts and Music

CLAS 330 Special Topic
NO 0.15 EFTS OC 18 points
Examines the legend of the Trojan War from a variety of perspectives, analysing the archaeological and historical evidence, the poems of Homer, and Troy's reception in modern culture.

P 18 200-level CLAS, GREK or LATN points
SC Arts and Music

CLAS 331 Research Methods in Classical Studies
NO 0.15 EFTS OL, OC 18 points
An overview of modern approaches to primary source material and of the skills required to undertake research through a number of case studies.

P 18 200-level CLAS, GREK or LATN points
SC Arts and Music

Prescriptions
CLAS 337 Murder and Corruption in Ciceronian Rome
S2 0.15 EFTS OL,OC 18 points
Exploration of the violent and corrupt politics of the Late Roman Republic through an examination of Cicero's speeches in the senate and law courts.
P 18 200-level CLAS, GREK or LATN points
R CLAS 437
SC Arts and Music
CLAS 340 Love, Death and the Good Life: Socrates and Plato
S1 0.15 EFTS OL, OC 18 points
A study of the philosophy of Socrates and Plato. Topics covered include love, death, the soul, virtue, knowledge, happiness, and the nature of reality.
P 18 200-level CLAS, GREK or LATN points or 18 200-level PhilPhil points or one of (GEND 201, 208, POLS 202, 208, 233, or PSYC 204)
R CLAS 440
SC Arts and Music
CLAS 341 After Alexander: The Struggle and the Chaos
NO 0.15 EFTS OL, OC 18 points
A study of the successors to Alexander. Topics covered include Alexander's death, the Diadoch Wars, Alexander's generals, polygamy, and the destruction of empires.
P 18 200-level CLAS, GREK or LATN points
R CLAS 441
SC Arts and Music
CLAS 342 Ancient Greek Religion: Myth, Ritual and Belief
NO 0.15 EFTS OL, OC 18 points
A study of the stories told by the ancient Greeks about their gods, and the ways in which these deities were worshipped in their religious system.
P 18 200-level CLAS, GREK or LATN points
R CLAS 442
SC Arts and Music
CLAS 343 Archaeology and the Fall of the Roman Empire
NO 0.15 EFTS OL, OC 18 points
A study of the archaeological evidence for the collapse and disappearance of the Roman Empire, and of ancient and modern interpretations of these events.
P 18 200-level CLAS, GREK or LATN points
R CLAS 443
SC Arts and Music
CLAS 344 From Augustus to Nero: Scandal and Inconsistency in Imperial Rome
S1 0.15 EFTS OL,OC 18 points
A study of the Julio-Claudian emperors, examining literary texts and coinage, with a particular emphasis on the development of the Roman imperial and dynastic power.
P 18 200-level CLAS, GREK or LATN points
R CLAS 444
SC Arts and Music
CLAS 345 Tales of Troy: From Homer to Hollywood
S2 0.15 EFTS OL,OC 18 points
An examination of the legend of the Trojan War from a variety of perspectives, analysing the archaeological and historical evidence, the poems of Homer, and Troy's reception in modern culture.
P 18 200-level CLAS, GREK or LATN points
R CLAS 445
SC Arts and Music
Note: May not be credited together with CLAS 330 passed in 2017 or 2018.
CLAS 380 Directed Study in Ancient Greek or Latin Language
ES 0.15 EFTS OL, OC, DP 18 points
Intensive study of an ancient Greek or Latin literary work in the original language, culminating in an extended research essay on a related topic.
P GREK 212 or LATN 212
SC Arts and Music
Note: Enrolments for this paper require approval from the Head of Department. Please contact the department before selecting this paper.
CLAS 437 Cicero and Roman Oratory
S2 0.1667 EFTS OL,OC 20 points
Cicero's speeches, their persuasive techniques, and the role of oratory in Roman society.
P 72 300-level CLAS, GREK or LATN points
R CLAS 337
Note: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.
CLAS 440 Advanced Studies in Socrates and Plato
S1 0.1667 EFTS OL,OC 20 points
An advanced study of the philosophy of Socrates and Plato. Topics covered include love, death, the soul, virtue, knowledge, happiness, and the nature of reality.
P 72 300-level CLAS, GREK or LATN points or 36 PhilPhil points at 200-level or above.
R CLAS 340
CLAS 441 Advanced Studies in Alexander's Successors
NO 0.1667 EFTS OL,OC 20 points
An advanced study of the decades after Alexander's death. Topics covered include historical sources, military tactics, chronology, Hellenistic kingship, ancient coinage.
P 72 300-level CLAS, GREK or LATN points
R CLAS 341
CLAS 442 Advanced Studies in Ancient Greek Religion
NO 0.1667 EFTS OL,OC 20 points
An advanced study of the stories told by the ancient Greeks about their gods, and the ways in which these deities were worshipped in their religious system.
P 72 300-level CLAS, GREK or LATN points
R CLAS 342
CLAS 443 Archaeology, History and the End of Rome
NO 0.1667 EFTS OL,OC 20 points
An advanced investigation into the relationship between contemporary perspectives on the end of the Roman Empire and the archaeological and historical sources.
P 72 300-level CLAS, GREK or LATN points
R CLAS 343
CLAS 444 From Augustus to Nero: Advanced Studies
S1 0.1667 EFTS OL,OC 20 points
An advanced study of the literary and numismatic sources that document the rise to power of the Julio-Claudian emperors.
P 72 300-level CLAS, GREK or LATN points
R CLAS 344
LT BA(Hons), PGDipArts
CLAS 460 Special Topic
NO 0.3333 EFTS OL,OC 20 points
A special topic in Ancient Greek or Latin literature
P 72 300-level CLAS, GREK or LATN points
R CLAS 345
LT BA(Hons), PGDipArts
Note: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.
CLAS 480 Research Paper
ES 0.1667 EFTS OL,OC 20 points
Supervised research on an approved topic in Classical Studies, Greek or Latin.
P 72 300-level CLAS, GREK or LATN points
LT BA(Hons), PGDipArts
CLAS 490 Dissertation
FY, N1 0.5 EFTS OL,OC 60 points
Supervised research on an approved topic in Classical Studies, Greek or Latin.
P 72 300-level CLAS, GREK or LATN points
R CLAS 480
LT BA(Hons), PGDipArts
CLAS 590 Research Dissertation
N1, N2 0.5 EFTS OC, DL 60 points
A supervised research dissertation of up to 20,000 words on an approved topic.
LT MA

Clinical Dentistry
CLDN 910 Research Evaluation and Design
N1 0.5 EFTS OL,OC 60 points
Scientific basis of dental research, design and completion of a research protocol.
LT DCInDent
CLDN 911 Research Evaluation and Design
N1 0.25 EFTS OL,OC 60 points
LT DCInDent
CLDN 920 Clinical Practice – Research Evidence
N1 0.5 EFTS OL,OC 60 points
Critical evaluation of the scientific evidence for clinical practice; development of clinical competencies in specialist disciplines of clinical dental practice.
LT DCInDent
CLDN 921 Clinical Practice – Research Evidence
N1 0.25 EFTS OC 60 points
LT DCInDent

Cognitive Behaviour Therapy
COBE 401 Cognitive-Behaviour Therapy
NO 2021 0.5 EFTS OL, DL, 60 points
Application of Cognitive-Behaviour Therapy to common mental health disorders, anxiety, depression, substance abuse and psychotic disorders. Participants are required to be employed by a DHB, PHO or NGO in a supervised clinical mental health setting.
LT MHealSc, PGDipHealSc, PGDipHealSc
L Wellington
Note: Admission to COBE 401 in any year is subject to approval. Please contact Maria Fitzmaurice (maria.fitzmaurice@otago.ac.nz) for more information.
COBE 404 Advanced Topics in Cognitive Behaviour Therapy
NO 2021 0.2 EFTS OC, 24 points
Advanced Cognitive Behaviour Therapy training in assessment and interventions with complex cases in mental health and addictions.
LT COBE 401
MHealSc, PGDipHealSc
Note: We anticipate to offer the COBE 404 postgraduate paper in 2018. However this paper is subject to final approval from Ministry of Health (MOH) To Pou Mental Health Clinical Training Agency. (i) Students who have not completed the normal prerequisite may enrol in the paper with the approval of the Head of the Department of Psychological Medicine, Wellington, according to ability and qualifications. This approval will be granted only to applicants who already have training in cognitive behaviour therapy that is equal to or exceeds the content, level and value of COBE 401. (ii) The paper includes three residential block courses in Wellington, each one week in duration. (iii) Students must be working at least 0.6 FTE in a mental health setting in order to have access to patients to complete practical work.

Cognitive Science
COGS 495 Master’s Thesis Preparation
FY 0.2 EFTS OC, 24 points
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master’s degree by papers and thesis.
LT MSc
COGS 515 Special Topic
FY 0.2 EFTS OC, 24 points
LT MSc

Communication Studies
See Arts programme requirements (page 54) and minor subject requirements (page 98).
Community Health Care

CMHC 201 Human Health Across the Lifespan
S1 0.15 EFTS OL, OC 18 points
A foundational introduction to human health and development across the lifespan integrating the basic sciences, health psychology, ethics and communication.
R Hubs, Hubs, SC Arts and Music, Science

CMHC 211 Disability and Health I
S2 0.15 EFTS OL, OC 18 points
Understanding the perspectives of disabled people and people living with long-term conditions and the health and social support systems they will need to access. Relevant to generic non-professional roles within the wider healthcare industry.
R Educ 105 and 90 further points, SC Arts and Music

CMHC 301 Applied Aspects of Human Health
S2 0.15 EFTS OL, OC 18 points
Approaches a selection of key health issues, integrating basic sciences, health psychology, ethics and communication.
R CMHC 201, SC Arts and Music

CMHC 311 Disability and Health II
S1 0.15 EFTS OL, OC 18 points
Covers working collaboratively with disabled people and people living with long-term conditions and how to assist them to navigate the health and social support system. Relevant to generic non-professional roles within the wider healthcare industry.
R CMHC 211, SC Arts and Music

Computational Modelling

COMO 101 Modelling and Computation
S2 0.15 EFTS OL, OC 18 points
An introduction to mathematical and computational modelling with applications in science, engineering, biomedicine and industry. Topics include the translation of observations into mathematical models, and the use of simulation and numerical methods to evaluate and apply the models.
R COMO 103, SC Science

COMO 204 Differential Equations
S2 0.15 EFTS OL, OC 18 points
Ordinary differential equations for modelling physical and other phenomena. Complementary mathematical approaches for solving ordinary differential equations, including analytical methods, graphical analysis and numerical techniques.
P MATH 170, R MATH 262, SC Science

Computer and Information Science

COMP 101 Foundations of Information Systems
S1, SS 0.15 EFTS OL, OC 18 points
Introduction to information systems for the management and exploitation of data and information, and to relational databases.
R BSN5 106, SC Arts and Music, Commerce, Science

COMP 111 Information and Communications Technology
S2, SS 0.15 EFTS OL, OC 18 points
Explores fundamental components of ICT and related issues. Examines the influences and impacts ICT has and may have in the future. Students will apply widely-used software applications to perform real-world business activities.
SC Arts and Music, Commerce, Science

COMP 112 Web Development and Digital Media
S1 0.15 EFTS OL, OC 18 points
An introduction to client-side Web technologies including HTML, CSS, and digital media. Provides practical skills in building well-engineered Web sites and the creation and manipulation of digital images.
SC Arts and Music, Commerce, Science

COMP 120 Practical Data Science
ES 0.15 EFTS OL, OC 18 points
An introduction to the techniques used to prepare, integrate, manage and visualise complex data using modern software environments. Essential to students needing to manage data in science, business, or humanities.
SC Arts and Music, Commerce, Science

COMP 150 Practical Programming
S1 0.15 EFTS OL, OC 18 points
An introduction to the basic programming using the Python programming language, with an emphasis on practical topics. Suitable both for students who do not intend to major in Computer Science, and as preparation for COMP 160.
SC Arts and Music, Commerce, Science

COMP 160 General Programming
S2, SS 0.15 EFTS OL, OC 18 points
An introduction to the art and craft of computer programming and object-oriented design using Java. A first look at building graphical applications.
R COMP 103, RP COMP 150, SC Arts and Music, Commerce, Science

COMP 210 Information Assurance
S2 0.15 EFTS OL, OC 18 points
Security policy, access control techniques, biometrics, intruder monitoring, malicious code, communications security (cryptography), physical security, electronic forensics, mobile phone issues, and continuity and resiliency planning.
P 36 100-level points, R INFO 393, 403, SC Arts and Music, Commerce, Science

Note for COMP 270, 371-373, 390. Available only for the Information and Communications Technology endorsement for DipGrad.

COMP 270 ICT Fundamentals
S1 0.125 EFTS OL, OC, DP 15 points
An introduction to the ICT industry, including the study of two of the following topics: foundations of information systems, web design, computer programming and human-computer interaction.
LT DipGrad, SC Arts and Music, Commerce, Science

COMP 371 ICT Studio 1
S1 0.125 EFTS OL, OC, DP 15 points
An introductory ICT industry project. Teamwork on an industry-inspired, real-world problem.
PC COMP 270, LT DipGrad

COMP 372 ICT Studio 2
FY 0.125 EFTS OL, OC, DP 15 points
An intermediate ICT industry project. Teamwork on an industry-inspired, real-world problem.
PC COMP 371, LT DipGrad

COMP 373 ICT Studio 3
S2 0.125 EFTS OL, OC, DP 15 points
An advanced ICT industry project. Teamwork on an industry-inspired, real-world problem.
PC COMP 372, LT DipGrad, SC Arts and Music, Commerce, Science

COMP 390 ICT Industry Project
N1, N2 0.25 EFTS OL, OC, DL, DP 30 points
A student-led project in collaboration with a host organisation/institution comprising the support, development or planning of an ICT initiative or programme within the host organisation/institution.
R COMP 270, PC COMP 372, SC Arts and Music, Commerce, Science

Computer Science

COSC 212 Web Application Development
S2 0.15 EFTS OL, OC 18 points
Development of dynamic web content and web applications, including client-side and server-side technologies, database systems and web-authoring tools.
R COMP 112, 160, PC COMP 212, SC Arts and Music, Science

COSC 241 Programming and Problem Solving
S1 0.15 EFTS OL, OC 18 points
Programming in Java to solve real-world problems; abstract data types, lists, stacks, and trees, algorithm design.
R COMP 103 or 160, PC COMP 372, SC Arts and Music, Commerce, Science

COSC 242 Algorithms and Data Structures
S2 0.15 EFTS OL, OC 18 points
Programming in C, structured data types including hash tables, trees, and graphs; analysis of standard sorting and searching algorithms; greedy algorithms and dynamic programming.
R COSC 241, PC One COMP, MATH or STAT paper, SC Arts and Music, Commerce, Science
COSC 243 Computer Architecture and Operating Systems  
S1 0.15 EFTS OL, OC 18 points  
Digital logic and circuits, microprogramming, and assembler language concepts, characteristics of operating systems, file systems, and resource allocation; Unix and its variants.  
P COMP 160 or 103  
SC Arts and Music, Commerce, Science

COSC 244 Data-communications, Networks, Internet  
S1 0.15 EFTS OL, OC 18 points  
Fundamental aspects of communication between computing devices, networks, protocols, structure and use of the Internet, security and ethical issues.  
P COMP 160 or 103  
R TELE 202  
SC Arts and Music, Commerce, Science

COSC 301 Network Management  
S1 0.15 EFTS OL, OC 18 points  
Network addressing schemes; network design; and deployment; router configuration; installation and maintenance of the application server; network management protocols; network performance and reliability; secret and public key cryptography; digital signatures and authentication; security and privacy considerations.  
P COSC 244 or TELE 202  
R TELE 301  
RP COSC 243  
SC Arts and Music, Science

COSC 326 Effective Programming  
ES SS 0.15 EFTS OL, OC 18 points  
Effective programming design and reliable implementation of algorithms. Systematic verification. The requirements of maintainable software. Tools for software construction.  
P COSC 242  
SC Arts and Music, Science

COSC 341 Theory of Computing  
S1 0.15 EFTS OL, OC 18 points  
Finite state machines and Turing machines; limits to computation and effective procedures; recursive functions and predicates; notions of complexity, and completeness.  
P COSC 242, MATH 160  
SC Arts and Music, Science

COSC 342 Computer Graphics  
S1 0.15 EFTS OL, OC 18 points  
Display technology and algorithms, principles of modelling 3D, image synthesis from 3D models, texture, lighting and animation.  
P COSC 242, MATH 160  
SC Arts and Music, Science

COSC 343 Artificial Intelligence  
S1 0.15 EFTS OL, OC 18 points  
An introduction to modern AI representation systems and problem-solving techniques.  
P COSC 242  
SC Arts and Music, Science

COSC 344 Database Theory and Applications  
S1 0.15 EFTS OL, OC 18 points  
An introduction to fundamental database technology, including database theory, database design, and extensive practical work.  
P COSC 242  
R INFO 212  
SC Arts and Music, Science

COSC 345 Software Engineering  
FY 0.15 EFTS OL, OC 18 points  
The development of large-scale, reliable, and maintainable software systems.  
P COSC 242  
SC Arts and Music, Science

COSC 349 Cloud Computing Architecture  
S1 0.15 EFTS OL, OC 18 points  
The fundamental principles and technologies used to build cloud computing platforms and applications hosted in the cloud.  
P COSC 242  
SC Arts and Music, Science

COSC 360 Computer Game Design  
SS 0.15 EFTS OL, OC, DP 18 points  
An introduction to the interdisciplinary field of computer game design, with an emphasis on technical skills. Topics include game critique, game design, programming, visual and audio design, and interactive storytelling.  
P COSC 242  
SC Arts and Music, Science

COSC 402 Advanced Computer Networks  
S2 0.1667 EFTS OL, OC 20 points  
Interworking concepts; IP addressing; addressing resolution techniques; IP datagrams; IP encapsulation, fragmentation, and reassembly; TCP and UDP, the socket interface; IP routing, network mail, IP version 6, TCP/IP network planning and management; and IP.  
P COSC 440 or COSC 301 or TELE 301  
R TELE 402  
RP COSC 242

COSC 410 Logic for Artificial Intelligence  
NO 0.1667 EFTS OL, OC 20 points  
Classical propositional logic, metatheorems, semantics and models, proof theory, intuitionistic logic; belief change; proof theory; satisfaction in modal and first-order languages; automated reasoning algorithms and SAT-solvers.  

COSC 411 Combinatorial Game Theory  
NO 0.1667 EFTS OL, OC 20 points  
The theory of games of perfect information between two players without random elements, and algorithms for determining how to play them well.  

COSC 412 Cryptography and Security  
S2 0.1667 EFTS OL, OC 20 points  
Theory of cryptography including public key systems and its use in computer security. Consideration of cryptographic methods in the context of complexity theory.  

COSC 420 Neural Networks  
S1 0.1667 EFTS OL, OC 20 points  
Introduction to neural networks – computational tools inspired by the brain – which give a different perspective on the nature of computation and complex topics such as vision, language, learning and memory.  
R NEUR 420

COSC 421 Neural Models of Language  
NO 0.1667 EFTS OL, OC 20 points  
Introduction to models of how human language is implemented in the brain, drawing on research in linguistics, psychology, neuroscience and computational modelling.  
R NEUR 421

COSC 422 Computational Neuroscience  
NO 0.1667 EFTS OL, OC 20 points  
Introduction to basic methods of computational modelling of biological neurons and neural circuits.  
R NEUR 422

COSC 430 Advanced Database Topics  
S1 0.1667 EFTS OL, OC 20 points  
The theory and practice of database design and administration. Survey of research in the database field, such as data mining, multidimensional indexing, temporal databases, and distributed database architectures.  

COSC 431 Information Retrieval  
S1 0.1667 EFTS OL, OC 20 points  
Concepts, principles, and algorithms in information retrieval and text processing.  

COSC 440 Advanced Operating Systems  
S2 0.1667 EFTS OL, OC 20 points  
Enhance the concepts, principles, and algorithms in operating systems with real implementations.  

COSC 441 Concurrent Programming  
NO 0.1667 EFTS OL, OC 20 points  
Theory and practice of concurrent programming, including locks, transactional memory, and message passing, multicore and distributed systems; and specification and testing of protocols.  

COSC 450 Computer Vision and Graphics  
S1 0.1667 EFTS OL, OC 20 points  
Selected recent research topics in computer vision and computer graphics.  

COSC 470 Special Topic  
NO 0.1667 EFTS OL, OC 20 points  
Selected research topics in machine learning.

COSC 471 Approved Special Paper  
NO 0.1667 EFTS OL, OC 20 points  
An approved project on a topic in computer science.

COSC 480 Applied Project  
FY 0.3333 EFTS OL, OC 40 points  
A supervised project involving original research and leading to the production of a dissertation.  
LT MA, MAPSc, MSc, PGCertAppSc, PGDipAppSc, PGDipArts, PGDipSci

COSC 490 Dissertation  
FY 0.3333 EFTS OL, OC 40 points  
A supervised project involving original research and leading to the production of a dissertation.  
LT BA(Hons), BS(B(Hons), MA, MSc, PGDipArts, PGDipSci

Consumer Food Science
See Bachelor of Applied Science requirements (page 77) and minor subject requirements (page 98).

Continent Management
CTMG 401 Pathophysiology of Incontinence  
NO (2021) 0.25 EFTS OL, DL 30 points  
Epidemiology, anatomical and physiological concepts of urinary and faecal continence and incontinence. Diagnostic tests.  
R CTMG 401  
LT MHealSc, PGCertHealSc, PGDipHealSc

CTMG 402 Management for Continence  
NO (2021) 0.25 EFTS OL, DL 30 points  
Conservative and surgical treatments available, their rationale and efficacy. Establishing a continence clinic; the principles of assessing results.  
R CTMG 402  
LT MHealSc, PGCertHealSc, PGDipHealSc

Creative Non-Fiction Writing in Science
See Applied Science programme requirements (page 82).

Criminology
CRIM 201 Crime, Justice and Society  
S1 0.15 EFTS OL, OC 18 points  
Insights from criminology, social policy and sociology of crime into the study of key issues in crime, deviance and justice institutions.  
P SOC 103 or 108 points  
R SOC 206  
SC Arts and Music

Dance
DANC 101 Dance and Popular Culture  
S1 0.15 EFTS OL, OC 18 points  
An examination of the role of dance in popular culture in local and global contexts through integrated theory and choreographic exploration.  
SC Arts and Music
DANC 201 Contemporary Dance Fusions
NO (2021) 0.15 EFTS OL, OC 18 points
An examination of the choreographic processes, aesthetic fusions and artistic vision of key contemporary choreographers of the 20th and 21st centuries.
P: DANC 101 or THEA 153
R: DANC 301
SC: Arts and Music

DANC 204 Dance for Musical Theatre
S2 0.15 EFTS OL, OC 18 points
The artistic qualities and techniques of dance in musical theatre explored through integrated theory and practice.
P: DANC 101 or THEA 153
R: DANC 304, PERF 204, 304
SC: Arts and Music

DANC 301 Contemporary Dance Fusions
NO (2021) 0.15 EFTS OL, OC 18 points
An advanced study of metal, ceramic, polymer and glass technologies important in the practice of dental technology.
P: DANC 101 or THEA 153
R: DANC 304, PERF 204, 304
SC: Arts and Music

DANC 304 Dance for Musical Theatre
S2 0.15 EFTS OL, OC 18 points
The artistic qualities and techniques of dance in musical theatre explored through integrated theory and practice.
P: DANC 101 or THEA 153
R: DANC 304, PERF 204, 304
SC: Arts and Music

Data Science
See Bachelor of Applied Science requirements (page 77).

Dental Technology

DTEC 101 Dental Materials 1
FY 0.15 EFTS OC 18 points
The physical and biological properties of materials important in the practice of dental technology.
LT: BDentTech

DTEC 102 Dental Technology 1
FY 0.425 EFTS OL, OC 51 points
Tooth morphology and the design and construction of complete removable dentures.
LT: BDentTech

DTEC 103 Oral Health Sciences for Dental Technology
S1 0.125 EFTS OL, OC 15 points
An introduction to the structure and function of tissues in the oral region. Principles of microbiology, immunology and pathology with emphasis on their relevance to the practice of dental technology.
LT: BDentTech

DTEC 105 Dental Materials 3
FY 0.2 EFTS OL, OC 30 points
The physical and biological properties of materials important in the practice of dental technology with advanced study of ceramic and polymer technology.
P: CHEM 191, PHYS 191
LT: BDentTech

DTEC 201 Dental Materials 2
FY 0.15 EFTS OL, OC 18 points
An advanced study of metal, ceramic, polymer and glass technology important in the practice of dental technology.
P: DTEC 101 CHEM 191, PHYS 191
LT: BDentTech

DTEC 202 Dental Technology 2
FY 0.375 EFTS OL, OC 45 points
The design and construction of partial removable dentures.
P: DTEC 101, 102, 103
LT: BDentTech, BDentTech(Hons)

DTEC 203 Dental Technology 3
FY 0.375 EFTS OL, OC 45 points
The design and construction of orthodontic appliances and conservative restorations.
P: DTEC 101, 102, 103
LT: BDentTech, BDentTech(Hons)

DTEC 204 Applied Design for Orthodontics
FY 0.1 EFTS OL, OC 12 points
The design and construction of orthodontic and related appliances.
P: DTEC 101, 102, 103
R: DENT 213
LT: BDentTech

DTEC 205 Dental Materials 4
S1 0.05 EFTS OL, OC 6 points
An advanced study of metals important to the practice of dental technology.
P: DTEC 105
LT: BDentTech(Hons)

DTEC 301 Special Topic
N1 0.375 EFTS OL, OC 45 points
An introduction to the principles of research and critical literature evaluation followed by structured research exercises.
P: DTEC 201
LT: BDentTech

DTEC 302 Dental Technology 4
FY 0.375 EFTS OL, OC 45 points
The design and construction of complex appliances used in conservative restorations, maxillofacial reconstruction and implant restorations.
P: DTEC 201, 202, 203
LT: BDentTech, BDentTech(Hons)

DTEC 303 Practice Management
FY 0.1 EFTS OL, OC 12 points
The legal responsibilities, professional bodies, professional conduct and business management involved in operating a dental laboratory including one week of experiential placement in a dental laboratory or clinical dental laboratory.
P: (DTEC 201, 202, 203, 204) or (DTEC 102, 103, 105, 204, MART 205)
LT: BDentTech, BDentTech(Hons)

DTEC 401 Complete Denture Prosthodontics
N1 0.375 EFTS OL, OC 45 points
Treatment of patients who have no natural teeth with complete removable dentures.
LT: PGOpCDTech

DTEC 402 Partial Denture Prosthodontics
N1 0.375 EFTS OL, OC 45 points
Planning and management of patients requiring tooth replacement with removable prostheses.
LT: PGOpCDTech

DTEC 403 Dental Health
N1 0.25 EFTS OC 30 points
Knowledge and competencies necessary for the safe treatment of patients.
LT: PGOpCDTech

DTEC 490 Dental Technology Research 3
N1 1.0 EFTS OL, OC 120 points
Data collection and analysis with emphasis on statistical analysis for research in dental technology and biomaterials science. Overview of research techniques. Literature review, research proposal, research project and presentation of dissertation.
P: DTEC 301, 302, 303
LT: BDentTech(Hons)

DTEC 491 Dental Technology Research 1
S2 0.1 EFTS OL, OC 25 points
Data collection and analysis with emphasis on statistical analysis for research in dental technology and biomaterials science. Overview of research techniques. Preparation of research proposal with literature.
P: DTEC 105
LT: BDentTech(Hons)

DTEC 492 Dental Technology Research 2
N1 0.625 EFTS OL, OC 95 points
Further development of research proposal. Data collection and analysis. Completion of research project and presentation of dissertation.
P: DTEC 491
LT: BDentTech(Hons)

DTEC 501 Advanced Dental Materials Science
N1 0.5 EFTS OL, OC 60 points
Advanced scientific principles underpinning dental materials science, including methods of analysis, design and testing of dental materials.
LT: MDentTech, PGDipDentTech

DTEC 502 Advanced Fixed Prosthodontic Techniques
N1 0.25 EFTS OL, OC 30 points
Selected topics in advanced fixed prosthodontic techniques.
LT: MDentTech, PGDipDentTech

DTEC 503 Advanced Implant Prosthodontic Techniques
N1 0.25 EFTS OL, OC 30 points
Selected topics in advanced implant prosthodontic techniques.
LT: MDentTech, PGDipDentTech

DTEC 505 Topics in Advanced Dental Technology
N1 0.25 EFTS OL, OC 30 points
Selected topics in advanced dental technology.
LT: MDentTech, PGDipDentTech

Dental Therapy

DTHR 401 Dental Therapy Clinical Practice
NO 0.25 EFTS OC 30 points
Advanced understanding and practice of clinical dental therapy based on current scientific knowledge and evidence-based oral health care.
LT: PGDipDentTher

DTHR 402 Dental Therapy Management Practice
NO 0.25 EFTS OC 30 points
Co-ordination of knowledge of oral health care and public health to gain an understanding and skills in management and evaluation of oral health programmes for patient, community and population groups based on sound scientific, clinical outcome and financial bases.
LT: PGDipDentTher

DTHR 403 Dental Therapy Practice Project
NO 0.25 EFTS OC 30 points
Planning and carrying out of a project related to dental therapy practice, utilizing the knowledge and skills developed in papers DTHR 401, 402 and 404.
LT: PGDipDentTher

DTHR 404 Dental Public Health
NO 0.25 EFTS OL, OC 30 points
Advanced knowledge of oral health and oral health care in New Zealand and international contexts. Knowledge and understanding of the concepts and practice of dental public health and its role in New Zealand society, including the principles of the Treaty of Waitangi and the Ottawa Charter for Health Promotion. Introduction to oral health epidemiology and the planning of oral health services.
LT: PGDipDentTher

Dentistry

DENT 261 The Dentist and the Patient 1
FY 0.26 EFTS OL, OC 33 points
An introduction to the clinical procedures used for examination, diagnosis and the management of patients in clinical dental practice. Properties of biomaterials and their use for restorative procedures.
LT: BDS

DENT 262 Biomedical Sciences 1
FY 0.57 EFTS OL, OC 72 points
Biomedical sciences relevant to dentistry with particular emphasis on the structure and function of the craniofacial complex, oral and dental tissues and their interactions with the environment.
LT: BDS
DENT 263 The Dentist and the Community 1
FY 0.12 EFTS OL, OC 15 points
An introduction to ethics and communication in dentistry, public health issues related to dentistry, and the prevention of dental diseases.
LT BDS

DENT 361 The Dentist and the Patient 2
FY 0.6 EFTS OL, OC 72 points
An introduction to treatment planning, preventive and restorative management of patients with problems arising from dental caries, dental trauma or due to pathology of the pulp, periradicular or periodontium.
LT BDS

DENT 362 Biomedical Sciences 2
FY 0.3 EFTS OL, OC 36 points
Biomedical sciences relevant to dentistry with particular emphasis on disease processes, diagnosis and principles of management of medical and surgical conditions. Diseases of the oral region. Human growth and ageing.
LT BDS

DENT 363 The Dentist and the Community 2
S2 0.1 EFTS OL, OC 12 points
LT BDS

DENT 364 Dentistry in the New Zealand Context
S2 0.6 EFTS OL, OC 72 points
An introduction to clinical and community dentistry in the New Zealand setting and overview of the biomedical sciences that underpin dentistry.
R: DENT 361, 362, 363
LT BDS
Note: DENT 364 is available only for approved students admitted under the International Medical University Partnership Programme and having previously passed appropriate courses; students who pass the paper will be credited with the First, Second, and Third Year courses of the programme.

DENT 461 The Dentist and the Patient 3
FY 0.75 EFTS OL, OC 90 points
Comprehensive multi-disciplinary treatment planning, preventive, restorative, prosthodontic and surgical management of patients of all ages with dental problems arising from caries, trauma, malocclusion or other pathology of the oral tissues.
LT BDS

DENT 462 Biomedical Sciences 3
S1 0.15 EFTS OL, OC 18 points
Advanced biomedical sciences to underpin modern sophisticated management of dental diseases and diseases of the oral region.
LT BDS

DENT 463 The Dentist and the Community 3
S1 0.1 EFTS OL, OC 12 points
Health, promotion and education; health services and systems; ethics in public health and health research.
LT BDS

DENT 551 The Dentist and the Patient 4
FY 0.6 EFTS OL, OC 72 points
Contemporary evidence based clinical general dentistry involving delivery of general practice dentistry to an individual and the community.
R: DENT 560
LT BDS

DENT 552 Biomedical Sciences 4
FY 0.15 EFTS OL, OC 18 points
Research analysis. Completion of a research project and presentation of a research report.
R: DENT 560
LT BDS

DENT 553 The Dentist and the Community 4
FY 0.25 EFTS OL, OC 30 points
Clinical experience in a community placement with the provision of oral care that is both culturally acceptable and appropriate.
R: DENT 560
LT BDS

DENT 561 General Practice Dentistry for Honours
FY 0.5 EFTS OL, OC 72 points
Preparation for independent clinical practice involving the delivery of general practice dentistry to an individual and the community.
LT BDS(Hons)

DENT 563 Community Service Learning
FY 0.1667 EFTS OL, OC 24 points
Clinical service and experience in a community-based placement with the provision of oral care that is both culturally acceptable and appropriate.
LT BDS(Hons)

DENT 580 Dental Honours Research Project 1
N1 0.0833 EFTS OL, OC 12 points
Overview of research techniques. Preparation of research proposal with literature review.
LT BDS(Hons)

DENT 581 Dental Honours Research Project 2
FY 0.25 EFTS OL, OC 36 points
Data collection and analysis. Completion of research project and presentation of research report.
LT BDS(Hons)

Dentistry (oral Health)

DEOH 101 The Body and Its Environment
S2 0.125 EFTS OL, OC 15 points
An introduction to anatomy, physiology and nutrition of the human body relevant to clinical oral health practice. Principles of microbiology and immunology.
LT BOH

DEOH 102 The Oral Environment: Health and Disease
S1 0.125 EFTS OL, OC 15 points
The development and structure of oral and dental tissues and their interactions with the oral environment. Applied clinical anatomy.
LT BOH

DEOH 103 Oral Informatics
S1 0.125 EFTS OL, OC 15 points
The principles of acquisition, evaluation and use of information for oral health education, health service delivery, clinical practice and research. The use of computers and their broad applications including professional management.
LT BOH

Note: May be taken by other students with approval from the Dean of the Faculty of Dentistry.

DEOH 104 Clinical Oral Health Practice
FY 0.475 EFTS OL, OC 57 points
An introduction to the clinical procedures used for the treatment of patients in oral health therapy practice.
LT BOH

DEOH 201 Human Disease and Pharmacology
S1 0.117 EFTS OL, OC 14 points
The basis of human disease and its management relevant to the practice of dental hygiene and dental therapy. Understanding of disease processes and their implications for oral health therapists.
LT BOH

DEOH 202 Oral Health Therapy 1
FY 0.292 EFTS OC 35 points
The principles and practice of dental hygiene.
LT BOH

DEOH 203 Oral Health Therapy 2
FY 0.292 EFTS OC 35 points
The principles and practice of dental therapy.
LT BOH

DEOH 301 Community Oral Health and Oral Health Promotion
S1 0.125 EFTS OL, OC 15 points
Issues in improving the oral health of the population.
LT BOH

DEOH 302 Advanced Oral Health Therapy 1
FY 0.375 EFTS OL, OC 45 points
Advanced clinical dental hygiene practice.
LT BOH

DEOH 303 Advanced Oral Health Therapy 2
FY 0.375 EFTS OL, OC 45 points
Advanced clinical dental therapy practice.
LT BOH

DEOH 304 Applied Oral Health Research
FY 0.125 EFTS OL, OC 15 points
The principles of oral health research and critical literature evaluation. Development of a research project and presentation of a brief research report.
LT BOH

DEOH 501 Advanced Principles of Oral Health I
N1 0.5 EFTS OL, OC, DL 60 points
The development of an advanced level of knowledge, patient management, diagnostic and operative skills and social awareness within the scopes of dental hygiene and dental therapy practice.
LT MOH

DEOH 502 Advanced Principles of Oral Health II
N1 0.5 EFTS OL, OC, DL 60 points
The development, implementation and evaluation of an oral health promotion project for a specific group.
LT MOH

DEOH 580 Research Dissertation
N1 0.5 EFTS OL, OC, DL 60 points
Overview of research techniques. Preparation of research proposal, data collection and analysis, completion of research project and presentation of research dissertation.
LT MOH

Development Studies

DEVS 402 Development Policy and Practice
NO 0.1667 EFTS OL, OC 20 points
Approaches and methods used in development research and practice. Professional practice includes understanding the project cycle, donors, policy frameworks, and conducting research in cross-cultural contexts.
P 72.300-level points
LT MA, PGDipArts

Digital Humanities

DHUM 201 Digital Humanities: Method and Critique
S2 0.15 EFTS OC 18 points
An introduction to "digital humanities," understood as the application of computational methods for scholarly practice along with critical reflection on the technocultural transformations of both the humanities and humanities.
P 36 points

Drugs and Human Health

See Biomedical Sciences programme requirements (page 94).
### Ecology

**ECOL 111 Ecology and Conservation of Diversity**  
**S1** 0.15 EFTS OL, OC 18 points  
Species and population ecology: patterns of biodiversity; management of threatened species; evolution and environmental influences; how individuals interact with each other in populations, and with their physical environment.  
R: BIOL 114  
SC: Science  
Note: ECOL 111 is required for students taking Geology as a major or minor subject, and is recommended for students wishing to enter Marine Science studies at a later stage.

**ECOL 121 Ecology of Communities and Ecosystems**  
**S1** 0.15 EFTS OL, OC 18 points  
Focusses on how species interact, how these interactions build communities, how natural and human induced disturbances affect the integrity and sustainability of communities, and how an understanding of community and ecosystem-level processes can aid the restoration and management of natural areas for conservation.  
R: ECOL 111  
SC: Science  
Note: ECOL 111 may be taken as a corequisite by students who have already passed 72 points from Science Schedule C.

**ECOL 212 Ecological Applications**  
**S2** 0.15 EFTS OL, OC 18 points  
Putting ecology into practice: approaches in applied ecological science, developing a research programme, sampling and experimental design.  
R: ECOL 111, 211  
SC: Science

**ECOL 313 Ecology Field Course**  
**N1** 0.15 EFTS OL, OP, DP 18 points  
The techniques of field ecology; sampling strategies, design, procedures and equipment; an initiation to ecological research.  
R: ECOL 211, 212 and (STAT 110 or 115)  
SC: Science  
Notes: (i) This course is intended for third year students majoring in Ecology. However, other students may be admitted at the discretion of the Programme Co-ordinator. (ii) A compulsory field trip will be held prior to the beginning of the semester 10 – 16 February 2020.

**ECOL 314 Tropical Field Ecology**  
**N1** 0.15 EFTS OL, OP, DP 18 points  
The techniques of tropical field ecology; sampling strategies, design, procedures and equipment; an initiation to tropical ecological research.  
R: ECOL 211, 212 and (STAT 110 or 115)  
SC: Science  
Notes: (i) This paper is intended for third-year students majoring in Ecology or Zoology. (ii) This paper will include a compulsory field trip based on the topics.

**ECOL 411 Reading Ecology**  
**S1** 0.1667 EFTS OL, OP, DP 20 points  
This literature-based paper focuses on learning best practice for publication by reading the top-ranked journals in ecology. Workshops will cover: independent research, statistics, scientific writing, modelling and biodiversity conservation.

**ECOL 450 Special Topic**  
**NO** 0.1667 EFTS OC, DP 20 points  
An in-depth investigation, involving supervised research, data analysis and a literature review, on an aspect of tropical animal ecology in Borneo.  
R: ECOL 314

**ECOL 480 Research Project**  
**FY** 0.3333 EFTS OL, OC, DP 40 points  
A supervised project involving research and leading to the production of a research report.  
L: PG dipSci

**ECOL 490 Dissertation**  
**FY** 0.5 EFTS OL, OC, DP 60 points  
A supervised project involving original research and leading to the production of a dissertation.  
L: BSc(Hons), PG dipSci

**ECOL 495 Master's Thesis Preparation**  
**FY** 0.3333 EFTS OL, OC, DP 40 points  
L: Master's degree

### Economics

**ECON 112 Principles of Macroeconomics**  
**S1** 0.15 EFTS OL, OC 18 points  
Introduction to analysing the economy as a whole. Topics include the determination of national income, unemployment, inflation, interest rates and the exchange rate, as well as monetary and fiscal policy.  
P: BSNS 104 or 113  
R: ECON 212, 102, MANV 201  
SC: Arts and Music, Commerce, Science  
Note: Students with appropriate NCEA results may apply to the Department of Economics to have the prerequisite waived.

**ECON 201 Microeconomics**  
**S1** 0.15 EFTS OL, OC 18 points  
Provides a working knowledge of microeconomic theories with an emphasis on their application to business and public sector decision making.  
P: BSNS 104 or 113  
SC: Arts and Music, Commerce, Science

**ECON 202 Macroeconomics**  
**S2** 0.15 EFTS OL, OC 18 points  
Provides a working knowledge of macroeconomic theory and policy.  
P: BSNS 104 or 113 and ECON 112  
SC: Arts and Music, Commerce, Science

**ECON 206 The World Economy**  
**S2** 0.15 EFTS OL, OC 18 points  
The development of the world economy and ways in which different economies impinge on each other. Provides a broad perspective on the structure of the world economy and an introduction to some important current issues.  
P: (BSNS 104 or 113) and ECON 112  
SC: Arts and Music, Commerce, Science

**ECON 207 Environmental Economics**  
**S1** 0.15 EFTS OL, OC 18 points  
An introduction to the economic analysis of environmental problems associated with the use of depletable and renewable resources, policy instruments for dealing with such problems.  
P: BSNS 104 or 113  
R: PLAN 414  
SC: Arts and Music, Commerce, Science

**ECON 210 Introduction to Econometrics**  
**S1** 0.15 EFTS OL, OC 18 points  
Statistical and econometric techniques widely used in empirical work in economics and finance, including distribution theory and least squares regression. Computer-based tutorials emphasise practical applications of these techniques examined.  
P: (BSNS 102 or 112) or STAT 110  
R: FNC 203, STAT 210, 241  
SC: Arts and Music, Commerce, Science

**ECON 271 Intermediate Microeconomic Theory**  
**S1** 0.15 EFTS OL, OC, DP 18 points  
Presents an analytic approach to intermediate microeconomics. The emphasis is on the fundamental conceptual foundations of microeconomics, illustrating their application with concrete examples.  
P: (BSNS 104 or 113) and one of FINC 102, FINC 102, MATH 160, 170  
SC: Arts and Music, Commerce, Science

**ECON 301 Labour Economics**  
**NO (2021)** 0.15 EFTS OL, OC 18 points  
Labour markets, labour supply, labour demand, wage determination, inflation and unemployment. Specific New Zealand labour market issues are also addressed.  
P: ECON 201 or 271  
SC: Arts and Music, Commerce, Science

**ECON 302 International Trade**  
**S2** 0.15 EFTS OL, OC 18 points  
A theoretical and applied approach to explaining the pattern of international trade and the effects of government interventions through international trade policy.  
P: ECON 201 or 271  
SC: Arts and Music, Commerce, Science

**ECON 303 Economics of Developing Countries**  
**S1** 0.15 EFTS OL, OC 18 points  
Economic problems in developing countries. Topics covered include theories of economic growth, underdevelopment, basic needs, human development, education and population growth.  
P: ECON 201 or 271  
SC: Arts and Music, Commerce, Science

**ECON 306 Economics of Health and Education**  
**S2** 0.15 EFTS OL, OC 18 points  
The study of economic issues regarding the provision of, and demand for, health and education services.  
P: ECON 201 or 271  
SC: Arts and Music, Commerce, Science

**ECON 308 Public Economics**  
**S2** 0.15 EFTS OL, OC 18 points  
The role of government in society is examined using the tools and methods of microeconomics. Topics include welfare economics, public goods, externalities, optimal taxation and voting models.  
P: ECON 201 or 271  
SC: Arts and Music, Commerce, Science

**ECON 316 Open Economy Macroeconomics**  
**S1** 0.15 EFTS OL, OC 18 points  
Macroeconomic aspects of international economics, including the balance of payments, the foreign exchange market, the international monetary system, and the effectiveness of monetary, fiscal, and exchange-rate policies in an open economy.  
P: ECON 202  
PC: ECON 201 or 271  
SC: Arts and Music, Commerce, Science  
Note: May not be credited together with ECON 302 passed before 1994.

**ECON 317 Urban and Regional Economics**  
**S1** 0.15 EFTS OL, OC 18 points  
Applies methods of microeconomic analysis to understand urban and regional land development patterns. Analyses a variety of urban and regional public policy issues, such as regional economic development, land-use and transportation policy, and the provision of local public goods and services.  
P: ECON 201 or 271  
SC: Arts and Music, Commerce, Science  
Note: May not be credited together with ECON 350 passed before 2006.

**ECON 318 Behavioural Economics**  
**S1** 0.15 EFTS OL, OC 18 points  
People often make economic decisions that violate the standard assumptions of rationality and self-interest. This paper explores theories of such behaviour that incorporate evidence from psychology and other behavioural sciences.  
P: 18 200-level ECON points  
SC: Arts and Music, Commerce, Science  
Note: May not be credited together with ECON 383 passed in 2012, 2013, or 2014.
ECON 319 Game Theory
S2 0.15 EFTS OC 18 points
Examines strategic decision making with interacting decision makers. Topics include strategic form games, extensive form games, repeated games, games with incomplete information and evolutionary game theory.
P: ECON 201 or 271
SC Arts and Music, Commerce, Science
ECON 350 Special Topic
NO 0.15 EFTS OL, OC 18 points
P: ECON 201 or 271
SC Arts and Music, Commerce, Science
ECON 351 Special Topic
S2 0.15 EFTS OL, OC 18 points
P: ECON 201 or 271
SC Arts and Music, Commerce, Science
ECON 371 Microeconomic Theory
S2 0.15 EFTS OL, OC 18 points
The theory of consumer choice and the behaviour of the firm in a competitive setting.
P: ECON 201 or 271
SC Arts and Music, Commerce, Science
ECON 375 Econometrics
S2 0.15 EFTS OL, OC 18 points
Econometric theory and application of linear estimation and testing techniques in the context of multiple regression and simultaneous equation models.
P: (FINC 102 or FINQ 102 or MATH 160) and (ECON 210 or FINC 203 or STAT 210 or 241)
SC Arts and Music, Commerce, Science
ECON 376 Macroeconomic Theory
S1 0.15 EFTS OL, OC 18 points
A paper aimed at preparing Honours students for independent study in macroeconomics. The main topics covered will be the AS/AD paradigm, new classical macroeconomics, monetary and fiscal theory and policy.
P: ECON 202 and (ECON 270 or 271)
SC Arts and Music, Commerce, Science
ECON 377 Mathematical Economics
S2 0.15 EFTS OL, OC 18 points
The mathematical tools and concepts used in advanced economic theory. Integrates mathematics and economics to highlight the insights mathematics can bring to economic analysis.
P: ECON 202, 271
R ECON 270, 370
SC Arts and Music, Commerce, Science
ECON 402 Growth, Institutions and Development
NO (2021) 0.1667 EFTS OL, OC 20 points
Examines theoretical and empirical aspects of economic growth and development, with emphasis on the role of institutions and human capital.
P: ECON 375, 377
R ECON 428
RP ECON 376
ECON 403 Monetary Economics
S2 0.1667 EFTS OL, OC 20 points
Examines theoretical and empirical aspects of the role of money in the macroeconomy, New Classical and New Keynesian Economics and their implications for monetary policy.
P: ECON 375, 377
R ECON 426
RP ECON 376
ECON 404 International Economics
NO 0.1667 EFTS OC 20 points
Covers advanced topics in international trade (including intermediate goods trade, inter-temporal trade, increasing returns and new trade theory) and open-economy macroeconomics (including empirical tests of PPP, exchange-rate and currency-crisis models).
P: ECON 375, 377
R ECON 427, 430
RP ECON 371
ECON 405 The Economics of Natural Resources and Public Choice
NO 0.1667 EFTS OC 20 points
Covers advanced topics in natural resource economics (including dynamic optimisation of harvest/depletion rates, fisheries policy and multi-species modelling) and the economics of collective decision-making.
P: ECON 375
R ECON 431, 440
RP ECON 371
ECON 406 Labour and Population Economics
NO 0.1667 EFTS OC 20 points
Covers advanced topics in labour and population economics.
P: ECON 375
R ECON 442
ECON 407 Special Topic in Advanced Economics
S2 0.1667 EFTS OC 20 points
Covers advanced topics in macro and/or micro economics.
P: ECON 375, 377
RP: ECON 371, 376
ECON 410 Advanced Microeconomic Theory
S2 0.1667 EFTS OL, OC 20 points
Advanced analysis of microeconomic models of consumer choice, production theory, market equilibrium, and social choice and welfare.
P: ECON 377 or (ECON 270 and 371)
R ECON 401
ECON 411 Advanced Macroeconomic Theory
S1 0.1667 EFTS OL, OC 20 points
A modern approach to macroeconomic theory with an emphasis on the microeconomic foundation of macroeconomic models.
P: ECON 377 or (ECON 270 and 376)
R ECON 401
ECON 412 Macroeconometrics
S1 0.1667 EFTS OL, OC 20 points
Advanced time-series and nonstationary panel econometric techniques.
P: ECON 375
R ECON 490, 495
ECON 413 Microeconometrics
S1 0.1667 EFTS OL, OC 20 points
Advanced cross-sectional and panel econometric techniques.
P: ECON 375
R ECON 490, 495
ECON 480 Dissertation
FY 0.3333 EFTS OL, OC 40 points
A research dissertation of between 15,000 and 20,000 words. A research dissertation of between 8,000 and 12,000 words.
P: ECON 375
R ECON 485, 490, 492, 495
LT BA(Hons), BCom(Hons), BSc(Hons), PGDipArts, PGDipCom, PGDipSci
ECON 485 Master's Thesis Preparation
ES, FY 0.1667 EFTS OL, OC 20 points
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master’s degree by papers and thesis.
P: ECON 375
R ECON 485, 490, 492, 495
LT MA, MBus, MCom, MSc
ECON 492 Dissertation for Philosophy, Politics and Economics
FY 0.5 EFTS OF 60 points
A research dissertation of between 15,000 and 20,000 words. Cross-disciplinary dissertation topics are encouraged.
P: ECON 371 or 375 or 376
R ECON 480, 485, 490, 495
LT BA(Hons), PGDipArts
ECON 580 Research Dissertation
ES, N1, N2, N3 0.5 EFTS OL, OC 60 points
A research dissertation of between 15,000 and 20,000 words.
P: ECON 375, 377
R ECON 480, 490, 492
LT M Econ

Education
Note for EDCE 100-302: Compulsory for GradDipTchg Early Childhood Education students.
EDCE 300 Curriculum in Action
NO 0.15 EFTS OL, OC 18 points
Critical examination of integrated curriculum in action in early childhood settings in the context of Aotearoa.
LT GradDipTchg
EDCE 301 Ethics of Care and Curriculum for People Under Three
NO 0.15 EFTS OL, OC 18 points
As students analyse the ethics of care and curriculum for people under three, they will identify the components of effective professional experience for these young children.
R EDCR 202
LT GradDipTchg
EDCE 302 International Perspectives
NO 0.15 EFTS OL, OC 18 points
Deepening of understanding of learning in the early years through examination of the factors that influence early childhood education in both national and international contexts.
LT GradDipTchg
EDCE 303 Early Childhood: A Context for Learning
NO 0.15 EFTS OL, OC 18 points
Introduction to early childhood education in Aotearoa, development of an understanding of the early childhood curriculum, pedagogy and assessment to enhance the learning of all children.
LT GradDipTchg
Notes: (i) Compulsory for GradDipTchg Early Childhood Education students. (ii) Subject to approval, this paper will be offered during a non-standard period comprising February–March rather than as a full-year paper.
EDCR 101 Exploring Curriculum
S1 0.15 EFTS OL, OC 18 points
An exploration of early childhood curriculum, with a particular focus on Te Whāriki, the early childhood curriculum framework.
LT BEISL, BTHchg
L Dunedin, Invercargill
Note: Early Childhood Education students only.
EDCR 102 The Languages of Children
S2 0.15 EFTS OL, OC 18 points
An exploration of the meaning-making experiences of very young children as they begin to communicate with the world and those around them.
LT BEISL, BTHchg
L Dunedin, Invercargill
Note: Early Childhood Education students only.
EDCR 131 Introduction to English, Mathematics and Statistics
S2 0.15 EFTS OL, OC 18 points
Introduces teaching and learning in English and mathematics and statistics. Examines the ways in which language, literacy and number concepts are acquired and explores knowledge fundamental to English and mathematics and statistics understanding.
LT BEISL, BTHchg
L Dunedin, Invercargill
Note: TESOL, Te Pūkai Mātauranga o te Aro Rua (Primary Bicultural Education) and Primary Education students only.
EDCR 132 Music, Dance and Drama
S1 0.15 EFTS OL, OC 18 points
Introduces teaching and learning in music, dance and drama.
LT BEISL, BTHchg
L Dunedin, Invercargill
Note: TESOL, Te Pūkai Mātauranga o te Aro Rua (Primary Bicultural Education) and Primary Education students only.

Prescriptions
Key:
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-N: non-standard periods; NO: not offered in 2020; NO(20XX): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; RC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
EDCR 133 Health and Physical Education
S1 0.15 EFTS OL, OC 18 points
Introduces the aims, philosophy and content of health and physical education. Examines effective pedagogies and resources required for critical thinking and action through learning, curriculum sequences and practical experiences.
LT BEDS1, BTchg
L Dunedin, Invercargill
Note: Primary Education Te Poki Kātauaranga o te Ao Rua (Primary Bicultural Education) students only.

EDCR 152 He Kākano Noaioh FY 0.15 EFTS OL, OC 18 points
An exploration of kaupapa Māori education, second language acquisition; an introduction to Te Marautanga o Aotearoa; and a working knowledge of Te Aho Ataraki Marau mō te Reo Māori – Kura Auras.
LT BEDS1, BTchg
L Invercargill
Note: Te Poki Kātauaranga o te Ao Rua (Primary Bicultural Education) students only.

Notes for EDCR 201-202: (i) With approval from the Dean of the College of Education, the EICT and ELIT prerequisites may be waived for students with equivalent passes. (ii) Early Childhood Education students only.

EDCR 201 Weaving Curriculum S1 0.15 EFTS OL, OC 18 points
An investigation of Te Whāriki as a tool for weaving together the principles, strands, content knowledge and theoretical perspectives to create a curriculum for all children in Aotearoa/New Zealand.
P EDCR 101, 102 (ECT 198 or 199), (ELIT 198 or 199), (EMAT 197 or 198)
R EDUE 201
LT BEDS1, BTchg
L Dunedin, Invercargill

EDCR 202 People Under Three S1 0.15 EFTS OL, OC 18 points
A critical examination of how curriculum is constructed for very young learners in early childhood settings.
P (18 EDUC points or 108 points) and (EICT 198 or 199) and (ELIT 198 or 199) and (EMAT 197 or 198)
R EDUE 202
LT BEDS1, BTchg
L Dunedin, Invercargill

EDCR 203 Te Ohonga Ake o ngā Maraungata S2 0.15 EFTS OL, OC 18 points
An introduction to social sciences, learning and visual arts learning areas of the New Zealand curriculum.
P EDCR 131 and (EICT 198 or 199) and (ELIT 198 or 199)
R EDUP 203, 206, 207, 208
LT BEDS1, BTchg
L Dunedin, Invercargill
Note: TESOL, Primary Education Te Poki Kātauaranga o te Ao Rua (Primary Bicultural Education) students only.

EDCR 233 Social Sciences, Learning Languages and Visual Arts ES 0.15 EFTS OL, OC 18 points
An introduction to social sciences, learning and visual arts learning areas of the New Zealand curriculum.

EDCR 234 English S2 0.15 EFTS OL, OC 18 points
Theories and research for the analysis of teaching approaches, methodologies and resources for effective teaching and assessment in literacy learning in English.

EDCR 252 Te Pōpūke N1 0.15 EFTS OL, OC 18 points
Continued development of pedagogical knowledge of Te Marautanga o Aotearoa; introduction to and exploration of the contributing marau, application of effective teaching approaches and resources for teaching te reo Māori within Māori-medium and mainstream environments.

EDCR 254 Takangaā-i-wā, Ngā Reo, Toi Ataata S2 0.15 EFTS OL, OC 18 points
An introduction to social sciences, learning and visual arts learning areas of the New Zealand curriculum.

EDCR 301 Living Curriculum S1 0.15 EFTS OL, OC 18 points
Challenges students to explore what it means to utilise their knowledge of curriculum, pedagogical content knowledge, research, and theory to ‘live’ the curriculum in early childhood settings in Aotearoa/New Zealand.

EDCR 302 Debating Curriculum S2 0.15 EFTS OL, OC 18 points
Engages students in debate about the way in which early childhood curriculum is influenced by the historical, political, theoretical, ideological, cultural and social context both nationally and internationally.

EDCR 331 Advanced Mathematics and Statistics FY 0.15 EFTS OL, OC 18 points
Expects effective teaching practice and provides opportunities to demonstrate them in action.

EDCD 911 Doctor of Education Coursework N1, N2 0.25 EFTS OL, OC, DL 60 points
Engages students in critical reflection on their professional practice and prepares them for their thesis and research to practice portfolio research.

EDDE 300 The Teacher in Action NO 0.15 EFTS OL, OC 18 points
This professional experience paper examines the knowledge, skills and dispositions that underpin effective teaching practice and provides opportunities to demonstrate them in action.

EDDR 301 The Teacher as a Reflexive Practitioner NO 0.15 EFTS OL, OC 18 points
This professional experience paper focuses on increasing competence in putting into action the pedagogy, skills and dispositions for reflexive teaching.

EDDR 302 The Practice of Early Childhood Teaching N1 0.15 EFTS OL, OC 18 points
An introduction to professional, ethical, theoretical and pedagogical understandings, skills and dispositions important for early childhood teaching practice.

EDDR 303 Early Childhood Education students only.

EDDR 332 Curriculum in Context FY 0.15 EFTS OL, OC 18 points
An in-depth examination of the pedagogy and content of one chosen learning area (from EDCR 132, 133, 232 or 233). Broadly examines curriculum development and design through the analysis of current educational initiatives and approaches to school-wide curriculum implementation.

EDDR 334 English and TESOL FY 0.15 EFTS OL, OC 18 points
A critical examination of current educational initiatives and approaches to implementing curriculum from kaupapa Māori and kaupapa Pākehā perspectives.

EDDR 353 Whakauranga o ngā Maraungata S1 0.15 EFTS OL, OC 18 points
Engages students in debate about the way in which early childhood curriculum is influenced by the historical, political, theoretical, ideological, cultural and social context both nationally and internationally.

Note: Students must enrol for EDDC 911 twice: in the second half of the first year of study and the first half of the second year of study.

Note: TESOL, Primary Education Te Poki Kātauaranga o te Ao Rua (Primary Bicultural Education) students only.

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Note: Early Childhood Education students only.

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Refer to page I for more information.

Key

- FS: first semester
- SS: second semester
- ES: each semester
- FF: full year
- SF: Summer School
- NS: non-standard periods
- ND: not offered in 2020
- NO: not available in 2020
- PP: prerequisite
- C: corequisite
- DC: Distance Learning
- DE: departmental permission required
- R: restricted
- LT: limited to
- RP: recommended preparation
- SC: schedule
- L: location
- OL: on-campus
- OC: online
- DL: distance learning
- RP: recommended preparation
- EFTS: Equivalent Full-Time Student
EDSU 115  Exploring the Visual Arts Through Drawing and Painting
NO 0.15 EFTS  OL, OC, DP  18 points
How to make art works in drawing and painting media, with extension into a further media investigation. Develops an understanding of the relationships of art and artists to their historical and social settings. Allows students to explore and develop personal imagery in negotiated projects in visual arts practice.
R  EDUC 111

EDUC 101  Education and Society
S2 0.15 EFTS  OL, OC  18 points
An examination of the political, social, and cultural dimensions of contemporary education practice.
R  EDUC 131, EDUC 131
SC  Arts and Music
L  Dunedin, Invercargill

EDUC 102  Human Development
S1 0.15 EFTS  OL, OC  18 points
Lifespan development in its social contexts. A topic-based paper which includes the study of cultures, families within New Zealand, and disability.
R  EDUC 132, EDUC 132
SC  Arts and Music
L  Dunedin, Invercargill

EDUC 105  Disability Studies: An Introduction
S1 0.15 EFTS  OL, OC  18 points
An introduction to Disability Studies, which critically examines disability issues across a wide range of disciplines as well as different socio-cultural, political, economic, historical, legal, and educational contexts.
SC  Arts and Music

Note for EDUC 211, 230, 251-254, 259. With approval, students who have passed EDUC 105 prior to 2017 may be admitted without the normal prerequisite.

EDUC 211  The Institutions of Childhood
S1 0.15 EFTS  OL, OC  18 points
A critical examination of the ways in which political, cultural and educational contexts shape the institutions of childhood for young children.
P  EDUC 101 or 102 or 108 points
SC  Arts and Music
L  Dunedin, Invercargill

EDUC 230  Special Topic
S1 0.15 EFTS  OL, OC, DP  18 points
An introduction to education and children’s learning in the context of Aotearoa/New Zealand.
P  EDUC 101 or 102 or 108 points
SC  Arts and Music

EDUC 240  Education in Aotearoa/New Zealand
N1 0.15 EFTS  OL, OC, DP  18 points
An introduction to education and children’s learning in the context of Aotearoa/New Zealand.
SC  EDPR 240
SC  Arts and Music
Note: Limited to Study Abroad and Exchange students enrolled in initial teacher education programmes at approved partner institutions in their home countries.

EDUC 251  Education in New Zealand: Policy and Treaty Issues
S1 0.15 EFTS  OL, OC, DL  18 points
A critical examination of policy, school management and Treaty issues in New Zealand education with special focus on changes in the 1980s and 1990s.
P  EDUC 101 or 102 or 108 points
R  EDUC 251
SC  Arts and Music

EDUC 252  How People Learn
S1 0.15 EFTS  OL, OC  18 points
Develops understanding of models and principles of human learning applicable to a wide range of educational situations (from personal study and individual tutoring or counselling to whole-class teaching). Covers models of learning, motivation, individual and social differences, and assessment.
P  EDUC 101 or 102 or 108 points
R  EDUC 231
SC  Arts and Music
L  Dunedin, Invercargill

EDUC 253  Making Learning Happen
S2 0.15 EFTS  OL, OC  18 points
Means of facilitating classroom learning; conditions that foster learning; learning structures; resources; partnerships in learning.
P  EDUC 101 or 102 or 108 points
R  EDUC 257
SC  Arts and Music

EDUC 254  Family Resources, Culture, and Education
S1 0.15 EFTS  OL, OC  18 points
Explores the relationship between social class and family background and educational achievement/performance. Concentrates on the family in a cultural context and the link between family resources and education, focusing on the importance of social context for theories of student learning and educational achievement.
P  EDUC 101 or 102 or 108 points
SC  Arts and Music

EDUC 259  International Perspectives in Education
S2 0.15 EFTS  OL, OC  18 points
Schooling across cultural borders, theories of development, New Zealand’s trade/aid relations with less developed countries; postcolonial theory and Western and Indigenous knowledges; the politics of English language teaching in non-English speaking settings and global flows of students/teachers and educational ideas.
P  EDUC 101 or 102 or 108 points
SC  Arts and Music

EDUC 306  Guidance and Counselling
S2 0.15 EFTS  OL, OC  18 points
An introduction to selected counselling approaches.
P  One 200-level EDUC or PSYC paper
SC  Arts and Music

EDUC 307  Child Development
S2 0.15 EFTS  OL, OC  18 points
A critical, social context approach to the development of infants and children, focusing on sociocultural processes and on the social construction of childhood.
P  One 200-level EDUC or PSYC paper
SC  Arts and Music

EDUC 308  Future-Focused Literacies
S1 0.15 EFTS  OL, OC  18 points
A critical, socio-cultural view of literacy theories, practices and policies with implications for all educational settings.
P  One 200-level EDUC or PSYC paper
SC  Arts and Music

EDUC 311  Contemporary Understandings of Young Children as Learners
S1 0.15 EFTS  OL, OC  18 points
Advanced investigation into the issues and contexts that both enhance and constrain the learning of young children in educational settings.
P  One 200-level EDUC or SOCI paper
R  EDUC 331
SC  Arts and Music
L  Dunedin, Invercargill

EDUC 312  Children and Young People in History
S1 0.15 EFTS  OL, OC  18 points
Introduction to the histories of children and young people focusing on the modern era. The approach is thematic and comparative, examining both Western and non-Western settings, including societies such as New Zealand.
P  One 200-level EDUC paper
SC  Arts and Music
Note: May not be credited together with EDUC 331 passed in 2014 or 2015.

EDUC 313  Inclusive Education
S2 0.15 EFTS  OL, OC  18 points
Practical and philosophical issues supporting the inclusion of children and adults with disabilities in mainstream educational and community settings, supported by examples from education systems in New Zealand and elsewhere.
P  One 200-level EDUC, PSYC or SOCI paper
R  EDUT 368
SC  Arts and Music

EDUC 317  Information and Communication Technology in Education
NO 0.15 EFTS  OL, DL  18 points
Introduction to the use of information and communication technology in education. Pertinent theoretical, practical and curricular issues will be examined. Previous computing experience is not required. The Internet is used as the delivery system.
P  18 200-level EDUC points
R  EDUC 435, EDUX 435, 317
SC  Arts and Music

EDUC 318  Gender Issues in Education
S2 0.15 EFTS  OL, OC  18 points
Theoretical and research perspectives on gender issues in education with particular attention to how gender intersects with race, class and sexualities; how educational policies and practices address gender issues; and how discourse analysis is a useful analytical tool.
P  (EDUC 101 or one 100-level GEND, PSYC, SOCI or GOWK paper) and (one 200-level EDUC, GEND, PSYC, SOCI or GOWK paper)
SC  Arts and Music

EDUC 321  Educational Psychology
S2 0.15 EFTS  OL, OC  18 points
To examine, integrate, and apply theories of human development, learning, and assessment to the educational process.
P  EDUC 102 and one 200-level EDUC or PSYC paper
SC  Arts and Music
Note: May not be credited together with EDUC 331 passed in 2005-2012.

EDUC 331  Special Topic
NO 0.15 EFTS  OL, OC  18 points
P  One 200-level EDUC paper or equivalent as approved by the Dean of the College of Education
SC  Arts and Music

EDUC 335  Constructions of Learning in Education Settings
FY 0.15 EFTS  OL, OC  18 points
Critical examination of a range of key issues to identify pedagogy and practice in relation to diverse learners.
P  EDUC 252
R  EDUC 331
LT  BEG, BTchg, GradDipTchg
L  Dunedin, Invercargill

Notes: (i) TESOL, Te Pūkaki Mātaraunga o te Ao Rua (Primary Bicultural Education) and Primary Education students only. (ii) BEd (TESOL) students are exempt from the EDPR 332 corequisite.

Notes for EDUC 340-341: (i) Compulsory for GradDipTchg Early Childhood Education students. (ii) Subject to approval, this paper will be offered during a non-standard period comprising April -November rather than as a full-year paper.

EDUC 340  Theoretical Principles for Teaching and Learning
NO 0.15 EFTS  OL, OC  18 points
Engages with and challenges theories and beliefs pertaining to teaching and learning. It considers ideas about how people learn, human development, motivation, ability, agency, and assessment.
LT  GradDipTchg

EDUC 341  Teaching in Context: Culturally Relevant Tchg in Aotearoa
NO 0.15 EFTS  OL, OC  18 points
An exploration of what it means to teach in contemporary Aotearoa education settings, including considerations of Te Tiriti o Waitangi, culturally relevant curriculum and pedagogy, education for social justice and inclusion.
LT  GradDipTchg

EDUC 351  Research Methods in Education
NO 0.15 EFTS  OL, OC  18 points
Study of the theory, philosophy and practice of research in education, including a critical analysis of selected quantitative and qualitative methodologies and of historical, philosophical and sociological approaches to disciplined inquiry in education.
P  One 200-level EDUC, PSYC or SOCI paper
R  EDUC 407, EDUX 351, 407
SC  Arts and Music
Prescriptions

EDUC 401  Education in Historical Perspective
NO  0.1667 EFTS  OC  20 points
An introduction to the principles and practice of education history, with a comparative focus on New Zealand and other Western cultures, informed by social, cultural, gender and transnational histories.

P  54 300-level EDUC or EDUX points
Note: Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education.

EDUC 402  Current Issues in Education
S1  0.1667 EFTS  OL, DL  20 points
An introduction to graduate study and its required academic skills through discussion and critical evaluation of national and international trends in education.

LT  PGCertEdln, PGDipEdln, MEdln

EDUC 403  Perspectives on Teaching and Learning
S2  0.1667 EFTS  OL, DL  20 points
An exploration of current theory and research on learning and teaching relevant to a broad range of educational settings.

LT  PGDipEdln, MEdln

EDUC 407  Researching Educational Issues
NO  0.1667 EFTS  OL, DL  20 points
Study of the theory, philosophy and practice of research in education, including a critical analysis of selected quantitative and qualitative methodologies and of historical, philosophical, sociological and Maori preferred approaches to disciplinary inquiry in education.

P  54 300-level EDUC or EDUX points
R  EDUC 351, EDUX 351, 407
Note: Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education.

EDUC 411  Conceptualising and Designing Qualitative Educational Research
S1  0.1667 EFTS  OL, DL  20 points
Issues of research design and methodology for students who are studying policy, practice and professional issues in education.

R  EDUC 412
LT  PGDipEdln, MEdln

EDUC 412  Research Design and Methodology: Evidence-based Practice in Education
S1  0.1667 EFTS  OL, DL  20 points
Issues of research design, methodology and practice for researchers inquiring into professional practices of teaching and learning as they arise in education settings.

R  EDUC 411
LT  PGDipEdln, MEdln

Note for EDUC 421-423, 429, 431-432: Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education.

EDUC 421  Mathematics Education: Learning and Teaching
NO  0.1667 EFTS  OL, DL  20 points
Development of a critical and informed stance toward the student’s own practice and the context in which that practice is based.

P  54 300-level EDUC or EDUX points
R  EDUC 421

EDUC 422  Quantitative Research Methods in Education
NO  0.1667 EFTS  OL, OC  20 points
Provides training in the methods necessary for understanding and conducting quantitative research in education.

P  54 300-level EDUC or EDUX points

EDUC 423  Technology-enhanced Learning
P  0.1667 EFTS  OL, DL  20 points
Introduces various theoretical perspectives on the use of technology to enhance teaching and learning and discusses the practical issues resulting from this. Issues on knowledge construction and creation, and the culture of change, are also considered.

P  54 300-level EDUC or EDUX points
R  EDUC 423

EDUC 427  Qualitative Research
NO  0.1667 EFTS  OC  20 points
An introduction to the theory and practice of qualitative research. Students are guided through the key stages of conducting a qualitative research on an education topic of their choice.

P  54 300-level EDUC or EDUX points
Note: (i) Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education. (ii) This paper is normally available in alternate years.

EDUC 428  Special Topic
NO  0.3333 EFTS  OL, DL  40 points
Students will explore research issues, literature and methods. They will engage with researchable problems in an educational setting such as a school or cultural institution.

P  54 300-level EDUC or EDUX points
R  EDUC 428
LT  PGDipEdln
Note: (i) In order to complete this paper, students will be required to establish links with an educational setting such as a school or centre. (ii) Students must have completed an initial teacher education programme prior to enrolling in this paper. (iii) Students who have not passed the normal prerequisite or corequisite may be admitted with approval from the Dean of the College of Education.

EDUC 429  Special Topic 2
FY  0.1667 EFTS  OL, DL  20 points

P  54 300-level EDUC or EDUX points
R  EDUC 429

EDUC 431  Special Topic
NO  0.1667 EFTS  OL, DL  20 points

P  72 300-level EDUC or EDUX points

EDUC 432  Special Topic
NO  0.1667 EFTS  OL, DL  20 points

P  72 300-level EDUC or EDUX points
R  EDUC 432

EDUC 433  Special Topic
S2  0.1667 EFTS  OL, DL  20 points

P  54 300-level EDUC or EDUX points

EDUC 434  Youth Studies
NO  0.1667 EFTS  OL, OC  20 points
Young people in secondary education and their post-school transitions. The theoretical and practical understandings of conducting research with young people.

P  54 300-level EDUC or EDUX points
Note: (i) May not be credited together with EDUC 430 passed 2011 and (ii) This paper is normally available in alternate years.

EDUC 435  Introduction to Internet-based Learning
S2  0.1667 EFTS  OL, DL  20 points
Focusses on the use of the Internet and the World Wide Web as tools for teaching, learning, and research. Examines how teaching resources can be searched, gathered, and evaluated on the Internet. Ethical issues relating to use of the Internet are also discussed. The Internet is used as the delivery system.

P  54 300-level EDUC or EDUX points
R  EDUC 317, EDUC 317

Notes: (i) Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education. (ii) Not available to students who have already completed EDUC 413, which is an advanced paper that follows on from EDUC 435.

Note for EDUC 438-441: Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education.

EDUC 438  Leadership for Learning
P  0.1667 EFTS  OL, DL  20 points
A critical examination of theory, research and practice relating to leadership for learning in educational settings. Students will review a range of models, case studies and research findings. This paper uses print-based material and the Internet as the principal delivery systems.

P  54 300-level EDUC or EDUX points

EDUC 439  Strategic Educational Management
NO  0.1667 EFTS  OL, DL  20 points
A critical examination of contemporary literature and research on the theory and practice of strategic educational management across a range of education sectors. The Internet is used as one of the principal delivery systems.

P  54 300-level EDUC or EDUX points

EDUC 440  Critical Analysis of Teaching
NO  0.1667 EFTS  OL, DL  20 points
A critical examination of existing knowledge about effective teaching, reviewing a wide variety of models, case studies and research findings. This paper uses print-based material, video clips, and the Internet as the principal delivery systems.

P  54 300-level EDUC or EDUX points
R  EDUC 440

EDUC 441  Researching Personal Teaching Practice
NO  0.1667 EFTS  OL, DL  20 points
Introduction to disciplined inquiry into personal teaching practice utilising a range of research methodologies. Study of a disciplined, investigative inquiry into their teaching practices.

PC  One of EDUC 423, 440, EDUC 440, 423
R  EDUC 441

EDUC 442  Studies in Teacher Education, Development, and Learning
S1  0.1667 EFTS  OL, DL  20 points
Inquiry into teacher education in its international context, addressing issues of programme design, implementation, evaluation, and teacher educator development and learning.

LT  PGCertEdln, PGDipEdln, MEdln

EDUC 444  Pacific Education Issues: Culture, Identity, and Schooling
NO  0.1667 EFTS  OL, DL  20 points
Explores culture, identity, values, diaspora, politics, policy, epistemology, pedagogy, and ways of knowing as they impact on Pacific children’s experiences of schooling both in New Zealand and the Pacific region.

P  72 300-level EDUC or EDUX points
Note for EDUC 451, 453, 457, 459: Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education.

EDUC 451  Inclusive Education
NO  0.1667 EFTS  OL, DL  20 points
Inclusive education from the perspectives of children with special needs and those who support them throughout the education system.

P  54 300-level EDUC or EDUX points
R  EDUC 451

EDUC 453  Exercising Professional Leadership
NO  0.1667 EFTS  OL, DL  20 points
Examination of a range of contemporary issues which impact on effective educational leadership.

P  54 300-level EDUC or EDUX points
R  EDUC 453

EDUC 457  Pedagogy in Early Childhood Education
NO  0.1667 EFTS  OL, DL  20 points
Critically evaluates a range of pedagogical approaches to early childhood education, and explores how these approaches influence teachers’ thinking about children’s learning and development in the early years.

P  54 300-level EDUC or EDUX points
R  EDUC 457

EDUC 459  Equality, Diversity and Education
NO  0.1667 EFTS  OL, DL  20 points
Investigates theories of equality and applies them to poverty, gender, ethnicity, culture and ability. Critically addresses the question of why educators should be concerned about societal inequalities.

P  54 300-level EDUC or EDUX points

Key:
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; NO: not offered in 2020; NOXX: not offered, expected to be offered in the year noted; OLI: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin). See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
EDUC 461  The Construction of Curriculum in Early Childhood Education
FY 0.1667 EFTS OL, DL 20 points
Exploration of the construction of curriculum in early childhood education.

P 54 300-level EDUC or EDUX points
R EDUC 461

EDUC 462  Mentoring Teachers
S1 0.1667 EFTS OL, OC 20 points
Critical examination of mentoring practice related to professional growth of teachers at all levels.

P 54 300-level EDUC or EDUX points
R EDUC 462
Notes: (i) Students who have not passed the normal prerequisite may be admitted with approval from the Dean of the College of Education. (ii) May not be credited with EDUC 433 passed in 2011 or 2012.

EDUC 463  Issues in Literacy Education
NO 0.1667 EFTS OC 20 points
Current research-based knowledge about literacy, including understanding literacy in New Zealand.

P 54 300-level EDUC or EDUX points

EDUC 464  Writing for Publication in the Social Sciences
S1 0.1667 EFTS OL, OC 20 points
Students will be guided through the process of writing a journal article, reporting their own data, ready for submission by the end of the course.

P 72 300-level points
LT BA(Hons), PGDipTchg, PGDipArts, Med, MThgln, MA
Note: This paper is primarily intended for graduates in the social sciences.

EDUC 465  Science Education for Teachers
N1 0.1667 EFTS OL, OC 20 points
Examines and critiques science education in Aotearoa/New Zealand and the learning theories and key documents that underpin development as a member of the teaching profession.

LT Med, MThgln, PGDipTchg

EDUC 471  Teaching in a New Zealand Context
N1 0.25 EFTS OL 30 points
Examines and critiques the education system in Aotearoa and the learning theories and key documents that underpin development as a member of the teaching profession.

LT MThgln

EDUC 472  Primary Curriculum 1
N1 0.25 EFTS OL, OC 30 points
Engaging across curriculum learning areas and developing pedagogically appropriate teaching approaches.

LT MThgln
Note: Primary Education only.

EDUC 473  Evidence-based Inquiry (Primary)
N1 0.25 EFTS OL 30 points
Designing data-driven learning interventions and teaching strategies across curriculum learning areas that demonstrate decision-making skills, reflexive practice, effective use of ICT, personal teaching growth and development.

LT MThgln
Note: Primary Education only.

EDUC 474  Early Childhood Curriculum 1
N1 0.25 EFTS OL 30 points
Introduction to early childhood education in Aotearoa including curriculum, pedagogy and assessment for diverse children, families, and communities and the integration and implementation of quality curriculum.

LT MThgln
Note: Available only for the Early Childhood Education endorsement

EDUC 475  Evidence-based Inquiry (Early Childhood)
N1 0.25 EFTS OL 30 points
Designing and implementing evidence-based curriculum consistent with Te Whāriki and community-based aspirations for children's learning, demonstrating sound decision-making, reflexive practice, effective use of ICT, personal teaching growth and development.

LT MThgln
Note: Available only for the Early Childhood Education endorsement

EDUC 476  Diversity and Inclusion
Early Childhood
N1 0.25 EFTS OL, OC 30 points
Strategies, valuing identity and diversity for engagement with priority learners, gifted and talented learners, and learners with special needs.

LT MThgln

EDUC 477  Secondary Curriculum 1
N1 0.25 EFTS OL, OC 30 points
Engaging with specified curriculum learning areas and developing pedagogically appropriate teaching approaches.

LT MThgln
Note: Secondary Education only.

EDUC 478  Evidence-based Inquiry (Secondary)
N1 0.25 EFTS OL, OC 30 points
Designing data-driven learning interventions and teaching strategies in specified curriculum areas that demonstrate decision-making skills, reflexive practice, effective use of ICT, personal teaching growth and development.

LT MThgln
Note: Secondary Education only.

EDUC 480  Research Study
FY 0.3333 EFTS OL, OC, DL 40 points
Independent in-depth exploration of an educational issue, comprising either a review of relevant literature, or completion of a study approved by the Dean of the College of Education.

P 54 300-level EDUC or EDUX points
R EDUC 481, EDUC 480
LT BA(Hons), Med, PGDipArts

EDUC 495  Thought in Action
ES 0.1667 EFTS OL, DL 20 points
Students make explicit links between research, theory, and practice, reflecting on how their learning experiences continue to influence their practice.

PC EDUC 591 or 592
LT Medln

EDUC 572  Primary Curriculum 2
N1 0.25 EFTS OL 30 points
Extending and broadening curriculum knowledge and pedagogically appropriate teaching approaches across curriculum learning areas.

LT MThgln
Note: Primary Education only.

EDUC 573  Extended Evidence-based Inquiry (Primary)
N1 0.25 EFTS OL, OC 30 points
Extending the inquiry approach across curriculum learning areas for sustained teaching and learning engagement focused on professional and collaborative relationships, a learning culture which engages diverse learners, engagement with te reo Māori me ngā Tikanga-ā-iwi and pedagogically informed ICT use.

P EDUC 473, EICT 199, ELIT 199
LT MThgln
Note: Primary Education only.

EDUC 574  Early Childhood Curriculum 2
N1 0.25 EFTS OL, OC 30 points
Investigation of factors that influence quality professional practices in early childhood education nationally and internationally, including a particular focus on the ethics of care and curriculum for people under three.

LT MThgln
Note: Available only for the Early Childhood Education endorsement

EDUC 575  Extended Evidence-based Inquiry (Early Childhood)
N1 0.25 EFTS OL, OC 30 points
Designing and implementing effective curriculum for continuity, competence, and community, demonstrating sound reflexive decision-making, effective ICT usage and engagement with culturally competent practices.

P EDUC 475, EICT 199, ELIT 199, EMAT 197
LT MThgln
Note: Available only for the Early Childhood Education endorsement

EDUC 577  Secondary Curriculum 2
N1 0.25 EFTS OL, OC 30 points
Extending and broadening curriculum knowledge and pedagogically appropriate teaching approaches in specified curriculum areas.

LT MThgln
Note: Secondary Education only.

EDUC 578  Extended Evidence-based Inquiry (Secondary)
N1 0.25 EFTS OL, OC 30 points
Extending the inquiry approach in specified curriculum areas for sustained teaching and learning engagement focused on professional and collaborative relationships, a learning culture which engages diverse learners, engagement with te reo Māori me ngā Tikanga-ā-iwi and pedagogically informed ICT use.

P EDUC 478 and EICT 199 and ELIT 199 and (EMAT 196 or 197)
LT MThgln
Note: Secondary Education only.

EDUC 580  MEd Dissertation
N1 0.5 EFTS OL, OC, DL 60 points
A supervised research dissertation of up to 25,000 words on an approved topic.

P 54 300-level EDUC or EDUX points
R EDUC 580
LT MEd
Note: The duration of this paper is 12 months.

EDUC 590  Professional Practice Portfolio
N1 0.5 EFTS OL, DL 60 points
Aims at developing students’ professional skills as teachers. Students will engage in critical reflection on their professional practice by documenting their goals, growth, achievement, and professional attributes developed throughout the course of study.

P (EDUC 440 or EDUC 440) or (EDUC 423 or EDUC 423)
R EDUC 590
LT MThgln
Notes: (i) This duration of this paper is 12 months. (ii) Intake for the first semester only.

EDUC 591  Research Project
N1 0.3333 EFTS OL, DL 40 points
A supervised research dissertation of up to 15,000 words on an approved topic.

PC EDUC 411
LT Medln
Note: The duration of this paper is 12 months (50 weeks).

EDUC 592  Professional Inquiry
N1 0.3333 EFTS OL, DL 40 points
Development of professional skills as a teacher and engagement in critical reflection on professional practice by documenting goals, growth, achievement, and professional attributes developed throughout the course of study. Requires students to identify a need in their profession.

PC EDUC 412
LT Medln
Note: The duration of this paper is 12 months (50 weeks).

EICT 198  Essential ICT for Teaching
FY 0.025 EFTS O 3 points
Introduces practical information and communication technology skills in teaching and learning contexts.

LT BEdSt, BThg, GradDipTchg, MThgln
L Dunedin, Invercargill

EICT 199  ICT Competency Test
FY 0 EFTS OC 0 points
Students are required to demonstrate practical information and communication technology skills in teaching and learning contexts.

L Dunedin, Invercargill

ELIT 198  Essential Literacy for Teaching
S2 0.075 EFTS OL, OC 9 points
A basic course which explores aspects of standard English. Focuses on the development of accuracy and fluency in spoken and written language.

LT BEdSt, BThg, GradDipTchg, MThgln
L Dunedin, Invercargill

ELIT 199  Literacy Competency Test
FY 0 EFTS OL, OC 0 points
Students are required to demonstrate a professional standard of written language.

L Dunedin, Invercargill

EMAT 196  Mathematics Competency Test (Secondary Specialists)
NO 0 EFTS OL, OC 0 points
An understanding of the key skills, knowledge and vocabulary associated with mathematics to the upper band of Step 6 of TEC Adult Numeracy scale.

LT BEdSt, BThg, GradDipTchg, MThgln
## Electronics

### ELEC 253 Electronics: Introduction

**S1**
- 0.15 EFTS OL, OC 18 points
  - Components and AC circuits, phasers and complex numbers, simple filters and networks, resistors, transistor circuits, operational amplifiers, linear and switching power supplies. Digital electronics and microcontrollers.
  - Programming.
  - One of PHSI 110, 131, 132, and (MATH 160 or 170)
  - SC: Science

### ELEC 353 Analogue Electronics

**S1**
- 0.15 EFTS OL, OC 18 points
  - Theoretical and computer analysis of analogue electronic networks, transistor and operational amplifiers; time and frequency responses; passive and active filters; phase locked loops.
  - P: ELEC 253, MATH 170
  - RP: MATH 242
  - SC: Science

### ELEC 358 Digital Electronic Design

**S2**
- 0.15 EFTS OL, OC 18 points
  - P: ELEC 353
  - RP: COMP 150 or 160
  - SC: Science

### ELEC 361 Measurement and Analysis

**NO**
- 0.15 EFTS OL, OC 18 points
  - Laboratory projects that explore key ideas in modern electronics for collecting, transmitting, and processing information represented as electrical signals.
  - P: ELEC 253, PHYS 282
  - SC: Science

### ELEC 441 Linear Systems and Noise

**S1**
- 0.0833 EFTS OL, OC 10 points
  - An introduction to the “systems” approach to solving practical problems: generalised functions, the Fourier transform, sampling and the FFT, causality and the Kramer-Kronig relations, noise processes and matched filtering.
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 442 Digital Signal Processing

**NO**
- 0.0833 EFTS OL, OC 10 points
  - An introduction to digital signal processing for deterministic signals: discrete-time and linear time-invariant systems, difference equation description, the Z-transform, and advanced applications such as filter design.
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 443 Boundary Value Problems of Mathematical Physics

**NO**
- 0.0833 EFTS OL, OC 10 points
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 444 Logic Synthesis

**NO**
- 0.0833 EFTS OL, OC 10 points
  - Introduction to logic synthesis in FPGAs, followed by an overview of the implementation of algorithms in hardware, including the representation of data and signals.
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 445 Inverse Problems and Imaging

**S1**
- 0.0833 EFTS OL, OC 10 points
  - Classical and modern solution methods for inverse problems including image deblurring and analysis of experimental data.
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 446 Computational Inference

**NO**
- 0.0833 EFTS OL, OC 10 points
  - Advanced stochastic modelling and Monte Carlo strategies for implementing Bayesian inference with low-level, mid-level and high-level representations, aimed at estimation and prediction in physically-based inverse problems.
  - P: ELEC 445
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 457 Special Topic

**ES**
- 0.0833 EFTS OL, OC, DP 10 points
  - Advanced topics in modern electronics.
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 458 Special Topic

**ES**
- 0.0833 EFTS OL, OC, DP 10 points
  - Advanced topics in modern electronics.
  - LT: BSc(Hons), PDipSci, MSc, MAppSc

### ELEC 480 Research Project

**FY**
- 0.1667 EFTS OL, OC 20 points
  - A supervised project involving research and leading to the production of a research report.

### ELEC 490 Dissertation

**FY, N1**
- 0.3333 EFTS OL, OC 40 points
  - A supervised project involving original research and leading to the production of a dissertation.

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## Energy Management

### EMAN 201 Thermoprocesses 1

**S1**
- 0.15 EFTS OL, OC 18 points
  - Heat and work processes, the thermodynamic properties of fluids and gases, cyclic and non-cyclic processes, thermodynamic potentials and availability.
  - P: One of PHSI 110, 131, 132, and 191
  - PC: MATH 160
  - RP: PHYS 263
  - SC: Science

### EMAN 204 Energy Resources

**S2**
- 0.15 EFTS OL, OC 18 points
  - Economic, environmental and technical ranking of contemporary sources of energy including non-renewable and renewable resources. Energy storage, transportation, inter-conversion and end-use systems.
  - LT: BAppSc(Hons), MAppSc, MSc, PDipSci, PDipAppSc

### EMAN 301 Fluids and Heat Transfer

**S1**
- 0.15 EFTS OL, OC 18 points
  - Boundary layer theory in fluid flow; momentum transfer, dimensional analysis, correlations. Heat exchanger design and combustion technology including modelling and design.
  - P: EMAN 201
  - RP: MATH 203
  - SC: Science

### EMAN 308 Thermoprocesses 2

**S2**
- 0.15 EFTS OL, OC 18 points
  - Gas mixtures, psychrometry, air conditioning, compressed air processes, refrigeration and power cycles, combustion, emission and instrumentation.
  - P: EMAN 201
  - PC: MATH 160, 170
  - RP: MATH 203
  - SC: Science

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## Energy Science and Technology

See Sciences programme requirements (page 69).

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## English

### ENGL 120 Creative Writing: How to Captivate and Persuade

**S1**
- 0.15 EFTS OL, OC 18 points
  - Develops the ability to write expressively and persuasively across a range of creative modes and media, including print, social media and marketing.
  - SC: Arts and Music

### ENGL 121 English Literature: The Remix

**S1**
- 0.15 EFTS OL, OC 18 points
  - Books are made out of other books; well-known English literary works are placed alongside historic and contemporary works that respond to them.
  - SC: Arts and Music

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### Prescriptions

**Key**
- **S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1 & N2: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year listed; OL: Paper supported by online learning management system; OP: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; CR: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule; L: Location paper is taught at or from (if no location mentioned, paper is taught at, or from, Dunedin).

See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
ENGL 126 English for University Purposes  
S2 0.15 EFTS OL, OC 18 points  
A skills-based course for those seeking to improve their command of the English language for use in an academic context.  
R LING 121  
SC Arts and Music  
Notes: (i) Health Sciences First Year students must sit a compulsory English diagnostic test in late February. Students who do not pass the test will be required to enrol in ENGL 126. (ii) Students who complete Foundation Year in June and intend to enrol in Health Sciences First Year the next year should not select ENGL 126 in Semester 2 of the same year as Foundation Year.

ENGL 127 Effective Writing  
S2, SS 0.15 EFTS OL, OC 18 points  
Key concepts of effective writing in academic and professional contexts.  
SC Arts and Music, Science

ENGL 128 Effective Communication  
S1 0.15 EFTS OL, OC 18 points  
An introduction to the fundamentals of effective speaking and writing, exploring a variety of contexts in which language is used. Enables students to communicate more effectively in tutorials, labs and written assignments.  
Complements ENGL 127.  
R ENGL 124, SURV 113  
SC Arts and Music

ENGL 131 Controversial Classics  
S2 0.15 EFTS OL, OC 18 points  
A study of literary classics that have attracted controversy for reasons including political content, issues of morality/ obscenity, transgressing conventions of form, polemical works, questions of authorial identity and authenticity; controversies over prizes and literary merit.  
SC Arts and Music

ENGL 214 Medieval Literature 1  
S2 0.15 EFTS OL, OC 18 points  
A study of Chaucer and other Middle English authors.  
P One 100-level ENGL paper (excluding ENGL 126) or 36 points  
SC Arts and Music

ENGL 216 A Topic in English Language  
NO 0.15 EFTS OL, OC 18 points  
One 100-level ENGL paper (excluding ENGL 126) or LING 111 or 36 points  
SC Arts and Music

ENGL 217 Creative Writing: Poetry  
S2 0.15 EFTS OC DP 18 points  
Practical work in developing the skills necessary for composing and revising poetry.  
P One 100-level ENGL paper (excluding ENGL 126) or 36 points  
SC Arts and Music  
Note: ENGL 217 is a limited entry course. Students wishing to be considered for the class must submit their three best poems to Associate Professor Jacob Edmond (jacob. edmond@otago.ac.nz) by 1 May.

ENGL 218 Shakespeare: Stage, Page and Screen  
S1 0.15 EFTS OL, OC 18 points  
A study of Shakespeare as playwright and poet, with some attention given to the theatrical and cinematic reception of his plays.  
P One 100-level ENGL paper (excluding ENGL 126) or 36 points  
SC Arts and Music

ENGL 219 Poetry and Music  
NO 0.15 EFTS OL, OC 18 points  
A study of the relationship between poetry and music, including poetry as song, folk traditions, and performance.  
P One 100-level ENGL or MUSI paper (excluding ENGL 126) or 36 points  
SC Arts and Music

ENGL 220 Creative Writing: Reading for Writers  
S1 0.15 EFTS OL, OC 18 points  
A study of style and techniques of literary writers, with practical exercises in creative imitation and adaptation.  
P One 100-level ENGL paper (excluding ENGL 126) or 36 points  
SC Arts and Music

ENGL 222 Contemporary American Fiction  
S1 0.15 EFTS OL, OC 18 points  
A study of American fiction that traces the development of Post-Modernism.  
P One 100-level ENGL paper (excluding ENGL 126) or 36 points  
SC Arts and Music

ENGL 223 Fantasy and the Imagination  
SS 0.15 EFTS OL, OC 18 points  
An examination of fantasy literature, from Tolkien to Game of Thrones, and the interaction between the literary and the visual, by way of illustrations, dust jackets, stage-plays, videogames, TV and movies.  
P One 100-level ENGL paper (Excluding ENGL 126) or 36 points  
R ENGL 323  
SC Arts and Music

ENGL 227 Essay and Feature Writing  
NO (2021) 0.15 EFTS OL, OC 18 points  
A practical course developing the skills of rhetoric and persuasive writing, in a variety of popular essay genres, through regular workshopping, and the reading and analysis of non-specialist texts from a variety of media.  
P One 100-level ENGL paper (excluding ENGL 126) or 36 points  
SC Arts and Music

ENGL 228 Writing for the Professions  
S2 0.15 EFTS OL, OC 18 points  
An advanced course in writing, with an emphasis upon report writing and the practical skills needed in the workplace.  
P 36 100-level points from Arts and Music or Science Schedule C  
SC Arts and Music, Science

ENGL 233 Literary Theory From Words to Worldviews  
NO 0.15 EFTS OL, OC 18 points  
Examines a key literary text in relationship to a variety of critical methods, including new criticism, narrative theory; gender theory and feminism; postcolonialism; and psychoanalytical and cognitive approaches to literary study.  
P One 100-level ENGL paper (excluding ENGL 126, 128, 124) or 36 points  
SC Arts and Music

ENGL 240 Modernism: Joyce  
NO 0.15 EFTS OL, OC 18 points  
An intensive study of James Joyce’s Ulysses inquiring into selected aspects of Modernism.  
P 54 100-level points  
R ENGL 340  
SC Arts and Music

ENGL 241 Irish-Scotts Gothic and the Gothic as Genre  
NO 0.15 EFTS OL, OC 18 points  
Vampires, ghosts, and haunted homes: a study of the Gothic with particular reference to Irish-Scotts Gothic.  
P 54 100-level points  
R ENGL 341  
SC Arts and Music

ENGL 242 New Zealand Literature: Connecting Worlds  
S1 0.15 EFTS OC 18 points  
A study of New Zealand literature, focusing on the kinds of historical and contemporary connections New Zealand has to other regions, histories and cultures.  
SC Arts and Music

ENGL 243 Tartan Noir: Scottish Crime Fiction  
S2 0.15 EFTS OL, OC 18 points  
P One 100-level ENGL paper or 36 points  
SC Arts and Music  
Note: Cannot be credited together with ENGL 260 passed in 2013, 2014, 2015.

ENGL 250 Special Topic  
NO 0.15 EFTS OL, OC 18 points  
A special study of Irish literature written in English.  
P One 100-level ENGL paper (excluding ENGL 126) or 36 points  
SC Arts and Music

ENGL 251 Special Topic  
NO 0.15 EFTS OC 18 points  
An overview of representative genres of the modern graphic novel, considering sequential art in light of theories of reception, adaptation and representation.  
P 36 points  
SC Arts and Music  
Note for ENGL 311, 313, 315, 319, 327, 334, 335, 337, 340, 341, 350, 351, 368: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

ENGL 311 Renaissance Literature  
NO 0.15 EFTS OL, OC 18 points  
A study of major English authors in the sixteenth and seventeenth centuries from More to Milton.  
P 18 200-level ENGL points  
SC Arts and Music

ENGL 312 Literature in the Age of Invention  
NO 0.15 EFTS OL, OC 18 points  
A study of major innovations in prose, drama, and verse between 1660 and 1800, particularly the rise of the novel, in relation to colonial expansion and emerging industrialisation.  
P 18 200-level ENGL points  
SC Arts and Music

ENGL 313 Victorian Literature  
NO 0.15 EFTS OL, OC 18 points  
A study of Chaucer and other Middle English authors  
P 18 200-level ENGL points  
SC Arts and Music

ENGL 315 Medieval Literature 2  
NO 0.15 EFTS OL, OC 18 points  
A study of a range of twentieth and twenty-first-century poetry.  
P 18 200-level ENGL points  
SC Arts and Music

ENGL 320 Advanced Creative Writing  
S2 0.15 EFTS OL, OC 18 points  
An advanced workshop-based paper covering technical and professional aspects of creative writing.  
P 18 200-level ENGL points  
RP ENGL 217 or 220  
SC Arts and Music

ENGL 323 Fantasy and the Imagination (Advanced)  
SS 0.15 EFTS OL, OC 18 points  
An advanced examination of fantasy literature, from Tolkien to Game of Thrones, and the interaction between the literary and the visual, by way of illustrations, dust jackets, stage-plays, videogames, TV and movies.  
P 18 200-level ENGL points  
R ENGL 223  
SC Arts and Music

ENGL 327 The Essay: Creative Non-Fiction  
S1 0.15 EFTS OL, OC 18 points  
Researching and writing creative non-fiction aimed at a general audience, with an emphasis upon revision for publication.  
P 18 200-level ENGL points  
R SCOM 427  
SC Arts and Music

ENGL 332 Postcolonial Literatures  
S1 0.15 EFTS OC 18 points  
Twentieth-century literatures in English from Africa, Canada, the Caribbean, the South Pacific and India, emphasising the forms of cultural encounter and response arising from colonial expansion and from contemporary contexts of travel and writing.  
P 18 200-level ENGL points  
SC Arts and Music

**Entrepreneurship**

Notes for ENTR 411, 413, 414: (i) This paper includes a one-week on-campus component. (ii) The pre/corequisite may be waived for MEntr students. (iii) International students should enrol for the on-campus offering of this paper.

**ENTR 411 Introduction to Entrepreneurship**

N1 0.1667 EFTS OL, OC, DL 20 points An introduction to the concepts of entrepreneurship. Factors that lead towards entrepreneurial success and the skills and behaviours necessary to be a successful international entrepreneur.

**ENTR 412 Feasibility Analysis**

N1 0.1667 EFTS OL, OC, DL 20 points The techniques used to create and evaluate new concepts or new business opportunities. Feasibility analysis processes, including concept generation, concept screening and analysis.

**ENTR 413 Finance for Entrepreneurs**

N1 0.1667 EFTS OL, OC, DL 20 points Industry marketing principles, personal branding techniques, inbound marketing tactics, digital tools, planning and evaluation of marketing relevant to entrepreneurs, marketers and business owners.

**ENTR 414 Marketing and Selling**

N1 0.1667 EFTS OL, OC, DL 20 points Planning and managing growth in a new entity. Legal and ethical issues. Exit strategies.

Notes for ENTR 415, 413, 414: (i) This paper includes a one-week on-campus component. (ii) The pre/corequisite may be waived for MEntr, MSusBus, PGDipCom students. (iii) International students should enrol for the on-campus offering of this paper.

**ENTR 415 New Venture Strategy**

N1 0.1667 EFTS OL, OC, DL 20 points An applied entrepreneurship paper that explores the development of innovative business models and new ventures that are designed to provide sustainable social and environmental benefits.

**ENTR 420 Sustainable Entrepreneurship**

N1 0.1667 EFTS OL, OC, DL 20 points An applied entrepreneurship paper that explores the development of innovative business models and new commercial ventures within the field of science and technology.

**ENTR 421 Technology and Entrepreneurship**

N1 0.1667 EFTS OL, OC, DL 20 points An applied entrepreneurship paper that explores the development of innovative business models and new commercial ventures within the field of science and technology.

Notes: (i) This paper includes a one-week on-campus component. (ii) International students should enrol for the on-campus offering of this paper.

**English and Linguistics (single major subject)**

See Arts programme requirements (page 54).
ENTR 525 Business Project
N1, N2 0.5 EFTS OL, OC, OL 60 points
A project based paper in which students prepare a comprehensive report on the development of a new venture that is ready to attract external equity.
PC ENTR 415
LT MEntr
Note: International students should enrol for the on-campus offering of this paper.

Environment and Society
ENVI 111 Environment and Society
S1 0.15 EFTS OL, OC 18 points
Fundamentals of the Earth’s environmental systems; human impact on natural systems at global, national and regional scales. Environmental hazards, concerns and issues; ethical, legislative, economic, and political responses and constraints.
SC Arts and Music, Science

ENVI 211 Environmental History of New Zealand
S2 0.15 EFTS OL, OC 18 points
Historical overview of environmental impacts and human expectations from the first settlement of Aotearoa to the present.
P S4 points
SC Arts and Music, Science

ENVI 311 Understanding Environmental Issues
S2 0.15 EFTS OL, OC 18 points
An examination of contemporary environmental issues using concepts of scientific understanding, social, political and cultural construction and contestation, and intervention and transformation strategies.
P ENVI 111 or 108 points
SC Arts and Music

ENVI 312 Interdisciplinary Aspects of Climate Change
S2 0.15 EFTS OL, OC 18 points
The scientific basis for, impacts of, and law and policy responses to climate change.
P ENVI 111 or 108 points
SC Arts and Music

Environmental Management
See Applied Science programme requirements (page 79) and minor subject requirements (page 99).

Environmental Toxicology
See minor subject requirements (page 99).

Ethnomusicology
See minor subject requirements (page 99).

European Studies
EURO 101 Introduction to European Studies
NO 0.15 EFTS OL, OC 18 points
An introduction to the study of Europe, from Greek antiquity to the European Union. Discusses European notions of self, state and citizen, and how these have established the idea of Europe.
SC Arts and Music

EURO 202 The Culture of the European City
S1 0.15 EFTS OL, OC 18 points
The study of twentieth-century literary and film texts in the context of contemporary urban Europe, with particular reference to Paris, Prague, Berlin, Madrid, St Petersburg and Bucharest.
P Two 100-level ENGL, FREN, GERMAN, PORT or SPAN papers (excluding ENGL 126)
R EURO 302, COML 201
SC Arts and Music

EURO 302 The Culture of the European City
S1 0.15 EFTS OL, OC 18 points
The study of twentieth-century literary and film texts in the context of contemporary urban Europe, with particular reference to Paris, Prague, Berlin, Madrid, St. Petersburg and Bucharest.
P Two 200-level ENGL, FREN, GERMAN, PORT or SPAN papers
R EURO 202, COML 201
SC Arts and Music

EURO 304 Europe: Ideas and Nations
NO 0.15 EFTS OL, OC 18 points
An in-depth study of Europe since the Enlightenment. Discusses key thinkers who have shaped the idea of Europe.
P 72 points from Arts and Music Schedule C
SC Arts and Music
Note: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

Exercise and Sport Science
See Science programme requirements (page 69) and minor subject requirements (page 99).

Faith-based Leadership and Management
See programme requirements (page 67).

Film and Media Studies
See Arts programme requirements (page 54) and minor subject requirements (page 100).

Finance
FINC 102 Business Mathematics
ES 0.15 EFTS OC 18 points
An integrated treatment of mathematics (algebra, matrices, calculus, optimisation) and modelling techniques, with an emphasis on applications.
P FINQ 102, MATH 102, 160, QUAN 102
SC Commerce

Note for FINC 202-203: MATH 170 will be accepted as an alternative to FINC 102 or FINQ 102 when that paper has already been passed or where a student is enrolled for both a BCom and another degree for which MATH 170 is required.

FINC 202 Investment Analysis and Portfolio Management
ES 0.15 EFTS OL, OC 18 points
P (BSNS 102 or 112) and (BSNS 108 or 114) (each passed with a grade of at least C+)
R FINQ 102 or FINC 102
SC Commerce

FINC 203 Financial Data Analysis
S1 0.15 EFTS OL, OC 18 points
A second course in business statistics with an emphasis on data analysis in finance problems.
P BSNS 102 or 112 (passed with a grade of at least C+),
PC FINC 102 or FINQ 102
R ECON 210, STAT 210, 241
SC Commerce

FINC 204 Personal Finance
SS 0.15 EFTS OL, OC 18 points
Principles and techniques for handling personal financial decisions. Topics include savings and investment considerations, personal risk management, use and cost of credit, financing alternatives, retirement, estate and tax planning.
P Any six papers
SC Commerce

FINC 302 Applied Investments
S1 0.15 EFTS OL, OC 18 points
Techniques for empirical testing and practical application of investment theory.
P FINC 202
SC Commerce

FINC 303 Financial Management
S2 0.15 EFTS OL, OC 18 points
Uses finance cases to develop the tools and analytical skills necessary to make financial decisions.
P FINC 202 and (ACCT 233 or ACFI 201 or FINC 206)
SC Commerce

FINC 304 Financial Markets and Institutions
S1 0.15 EFTS OL, OC 18 points
The operations of the New Zealand banking system and capital markets and the management of financial institutions.
P One of ACCT 233, ACFI 201, FINC 202, 206
R ACFI 304
SC Commerce

FINC 305 International Financial Management
S1 0.15 EFTS OL, OC 18 points
Introduction to multinational enterprise and financial management including operation of foreign exchange markets, methods of hedging foreign exchange risks, overseas financing and investment decisions and international working capital management.
P One of ACCT 233 or ACFI 201 or FINC 206
R ACFI 305
SC Commerce

FINC 306 Derivatives
S2 0.15 EFTS OL, OC 18 points
A comprehensive analysis of the properties of options and futures, offering a no-arbitrage theoretical framework within which all derivatives can be valued and hedged.
P FINC 202
SC Commerce

FINC 308 Financial Econometrics
NO 0.15 EFTS OL, OC 18 points
Aspects of distribution theory and regression analysis, and an applied study of time series modelling techniques and forecasting.
P FINC 203 or STAT 210 or 241 or ECON 210
R STAT 241
SC Commerce

FINC 309 Financial Modelling
NO 0.15 EFTS OL, OC 18 points
A study of simulation, model building techniques and linear programming techniques designed for students who will be working in finance and/or desire to study quantitative modelling.
P FINC 203 and (FINC 206 or ACFI 201)
R FINC 206
SC Commerce

FINC 310 Fixed Income Security Analysis
S2 0.15 EFTS OL, OC 18 points
An introduction to the products, risks, valuation and portfolio management of fixed income securities.
P FINC 202 and (FINC 102 or FINQ 102 or QUAN 102)
R ACFI 201
SC Commerce

FINC 399 Special Topic
NO 0.15 EFTS OL, OC 18 points
A topic agreed by student and tutor.
P FINC 302
SC Commerce

FINC 402 Advanced Corporate Finance
S1 0.1667 EFTS OL, OC 20 points
Aspects of finance theory and policy and international financial management. Includes directed reading and seminars related to corporate financial management.
P RP FINC 303
FOSC 111 Food Principles
S1 0.15 EFTS OL, OC 18 points
An introduction to scientific and social aspects of food including global trends in food production for health and well-being, food choice, sensory properties, and issues in food safety and sustainability.
SC Science

FOSC 112 Introduction to Food Marketing
S2 0.15 EFTS OL, OC 18 points
An introduction to the marketing environment, customer types, buyer behaviour, market segmentation and product, pricing, distribution and promotion issues in the context of domestic and international food markets.
R FOSC 307, MANV 101, MART 101, 112, 205, MARX 205
SC Science

FOSC 201 Food Systems 1
S1 0.15 EFTS OL, OC 18 points
Detailed study of the chemical, biochemical and physical characteristics of food components. Their measurement, and the interactions between components, are used to describe the compositional changes that occur in foods from harvest to consumption.
P 72 100-level points
SC Science
Note: For students not taking Consumer Food Science or Food Science as a major or minor subject, the prerequisite is (FOSC 111 or CHEM 191) and 36 further 100-level points.

FOSC 202 Food Systems 2
S2 0.15 EFTS OL, OC 18 points
Detailed study of the physical, biochemical and chemical characteristics common to food groups. A description of the technology associated with the production of commonly eaten food products is presented and related to changes in composition.
P One of CELS 191, 199, CHEM 111, 191, FOSC 111 and 72 further points
SC Science

FOSC 213 Sensory Science
S2 0.15 EFTS OL, OC 18 points
Perception and measurement of sensory qualities found in consumer products. Selecting appropriate sensory methods, experimental design, data analysis and interpretation. Applications of sensory methods in research and the food industry.
P STAT 110 or 115 and 72 further points
SC Science

FOSC 301 Food Chemistry, Structure and Function
S2 0.15 EFTS OL, OC 18 points
Physical chemistry of food disersions, colloid and surface chemistry, food component interactions, food functionality, release of flavour and bioactive compounds, digestion and structure, enzymatic reactions that create structure and flavour.
P FOSC 201 and (CHEM 111 or 191) and (FOSC 202 or 213)
SC Science

FOSC 302 Food Preservation and Processing
S1 0.15 EFTS OL, OC 18 points
Methods of processing and preserving food, processing equipment used, the effect on food quality; and biotechnology in the food industry. Emerging technologies in food preservation.
P FOSC 201
SC Science

FOSC 304 Food Science Project
ES, FY 0.15 EFTS OL, OC, DP 18 points
Individual project work on an aspect of consumer food science.
P FOSC 201 and two of FOSC 202, 213, MIRC 221
R FOSC 311
SC Science

FOSC 306 Advanced Sensory Science
S1 0.15 EFTS OL, OC 18 points
Understanding and applying the principles of descriptive analysis. Advanced methods of data collection and analysis for consumer data. Applications of sensory science in the food industry and research settings.
P FOSC 213 or 206
SC Science

FOSC 308 Food and Consumers
S2 0.15 EFTS OL, OC 18 points
Why do people eat what they do and how might we impact upon these choices? These are the questions explored in this paper, which provides an interdisciplinary review of food choice.
P 54 200-level points

FOSC 309 Consumer Food Science Project
ES, FY 0.15 EFTS OL, OC, DP 18 points
Individual project work on an aspect of consumer food science.
P FOSC 201 and 202 and 213
R FOSC 311

FOSC 311 Food Product Development
FY 0.3 EFTS OL, OC 36 points
The technical problem-solving phase of food product development set in a simulated industrial research and development situation.
P (FOSC 112 or MART 112) FOSC 201, 202, 213
R FOSC 304, 309
SC Science

Note for FOSC 401-405, 421-425: Admission subject to approval from the Head of the Department for first or second semester occurrence.

FOSC 401 Topics in Advanced Food Science 1
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BSc(Hons), PGDipSci, MSc

FOSC 402 Topics in Advanced Food Science 2
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BSc(Hons), PGDipSci, MSc

FOSC 403 Topics in Advanced Food Science 3
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BSc(Hons), PGDipSci, MSc

FOSC 404 Topics in Advanced Food Science 4
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BSc(Hons), PGDipSci, MSc

FOSC 405 Topics in Advanced Food Science 5
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BSc(Hons), PGDipSci, MSc

FOSC 421 Topics in Advanced Consumer Food Science
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BSc(Hons), PGDipSci, MSc, PC(P) CertAppSci, PDipAppSci, MAppSci
FORS 401 Application of Forensic Science
NO (2021) 0.1667 EFTS OL, OC 20 points
Detailed treatment of recent advancements in analytical science and how the new technologies are validated and implemented in the forensics, including biosecurity, food authentication and criminal forensics.

Forensic Biology

FORS 201 Forensic Biology
SS 0.15 EFTS OL, OC 18 points
An introduction to forensic biology. Trace and contact evidence, DNA, body fluids, traumatology, forensic entomology, toxicology and fibre analysis.
P 54 points
SC Science

French

FREN 105 Intensive French for Beginners
SS 0.15 EFTS OL, OC 18 points
An introduction to French for students with little or no previous knowledge of the language. The paper takes an integrated approach to the skills of language acquisition, focusing on practical survival skills.
R FREN 101, 131, 132 or any other more advanced French language paper
SC Arts and Music

FREN 131 Introductory French 1
S1 0.15 EFTS OL, OC 18 points
An advanced-beginner level communicative paper for students with some previous knowledge of French. 
R FREN 101, 105, 132 or any other more advanced French language paper
SC Arts and Music
Notes: (i) Students who have passed FREN 105 may be admitted to FREN 131 on a case-by-case basis. (ii) This paper is for beginners only and is not available to students who have passed NCEA Level 2 or 3 (or equivalent) in French. For further information, contact the Programme Coordinator (languages@otago.ac.nz).

FREN 132 Introductory French 2
S2 0.15 EFTS OL, OC 18 points
An advanced-beginner level communicative paper for students with some previous knowledge of French.
P FREN 101 or 105 or 131
R FREN 102 or 132 or any other more advanced French language paper
SC Arts and Music
Note: May be offered for Summer School, pending approval.

FREN 232 Intermediate French
S1 0.15 EFTS OL, OC 18 points
Written and oral French consolidating ground already acquired. The objectives are vocabulary expansion, a sound knowledge of language structures and the ability to communicate in French.
P FREN 101 or 102 or 131
R FREN 111 or 231 or 333 or any other more advanced French language paper
SC Arts and Music
Notes: (i) The prerequisite does not apply to students who have had more than three years of schooling in French. (ii) If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.

FREN 233 French for Professional Purposes
S2 0.15 EFTS OL, OC 18 points
A practical language paper focusing on professional situations (business, law, commerce).
P FREN 111 or 232
R FREN 231
SC Arts and Music

FREN 250 Crossroads in French Cultural Space
S1 0.15 EFTS OL, OC 18 points
An intermediate-level exploration of the contemporary French cultural landscape through a variety of genres, such as literature, drama and film.
P 36 100-level points
R FREN 350
SC Arts and Music

FREN 333 Advanced French 1
S1 0.15 EFTS OL, OC 18 points
An extension of the communicative approach seeking to develop linguistic skills appropriate to students' future career and social needs.
P FREN 211 or 232
R FREN 311, 331, 334 or any other more advanced French language paper
SC Arts and Music

FREN 334 Advanced French 2
S2 0.15 EFTS OL, OC 18 points
An extension of the communicative approach seeking to develop linguistic skills appropriate to students' future career and social needs.
P FREN 333
R FREN 211 or 331 or 335 or any other more advanced French language paper
SC Arts and Music

FREN 335 Advanced French 3
S1 0.15 EFTS OL, OC 18 points
An extension of the communicative approach seeking to develop linguistic skills appropriate to students' future career and social needs.
P One of FREN 221, 311, 331, 335
R FREN 321, 332, 336
SC Arts and Music

FREN 336 Advanced French 4
S2 0.15 EFTS OL, OC 18 points
An extension of the communicative approach seeking to develop linguistic skills appropriate to students' future career and social needs.
P One of FREN 221, 311, 331, 335
R FREN 321, 332
SC Arts and Music

FREN 341 Topics in French
S2 0.15 EFTS OL, OC 18 points
Topics in French language and culture, taught and examined in French.
P FREN 211 or 232
SC Arts and Music

FREN 350 Crossroads in French Cultural Space (Advanced)
S1 0.15 EFTS OL, OC 18 points
An advanced exploration of the contemporary French cultural landscape through a variety of genres, such as literature, drama and film.
P 36 200-level points
R FREN 250
SC Arts and Music

FREN 441 Advanced Topics in French
ES 0.1667 EFTS OL, OC 20 points
Topics in French language and culture, taught and examined in French.
P FREN 415

FREN 451 Studies in French
ES 0.1667 EFTS OC, DP 20 points
Studies in French language and culture undertaken at a partner university in France or Canada.
LT BA(Hons), PGDipArts

FREN 452 Studies in French 2
ES 0.1667 EFTS OC, DP 20 points
Studies in French language and culture undertaken at a partner university in France or Canada.
LT BA(Hons), PGDipArts

FREN 490 Dissertation
FY, N1 0.15 EFTS OC 60 points
A dissertation on an approved and individually supervised research topic in French, of up to 15,000 words if written in French, or 20,000 words if written in English.
LT BA(Hons), PGDipArts

FREN 590 Research Dissertation
N1, N2 0.5 EFTS OC, DL 60 points
A supervised research dissertation of up to 20,000 words on an approved topic, written in French or English.
LT MA

Food Service Management

See minor subject requirements (page 100).

Forensic Analytical Science

FORS 201 Analytical and Forensic Science
S1 0.15 EFTS OL, OC 18 points
An introduction to analytical techniques in modern forensic science. The analysis of physical and biological evidence and the role of science in the judicial system.
P CELS 191 and CHEM 191 and 54 further points from Science Schedule C
SC Science

FORS 301 Analytical Forensic Biology
S2 0.15 EFTS OL, OC 18 points
Forensic applications of biological information, particularly DNA, and its integration with other biological evidence. Emphasis on the practical rigour required for such analyses, and estimation of error and uncertainty in forensic data, and the statistical interpretation of such data.
P FORS 201
RP GENE 222
SC Science

FORS 422 Topics in Advanced Consumer Food Science 2
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BAppGSc(Hons), PGDipSci, MSc, PGCertAppSci, PGDipApplPhy, MAppSci

FORS 423 Topics in Advanced Consumer Food Science 3
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BAppGSc(Hons), PGDipSci, MSc, PGCertAppSci, PGDipApplPhy, MAppSci

FORS 424 Topics in Advanced Consumer Food Science 4
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BAppGSc(Hons), PGDipSci, MSc, PGCertAppSci, PGDipApplPhy, MAppSci

FORS 425 Topics in Advanced Consumer Food Science 5
ES, FY 0.1667 EFTS OL, OC 20 points
Any two modules (each worth 10 points) from a selection of modules offered, subject to availability.
P 72 300-level points
LT BAppGSc(Hons), PGDipSci, MSc, PGCertAppSci, PGDipApplPhy, MAppSci

FORS 460 Cooperative Education Programme
N1, N2, N3 0.1667 EFTS OL, OC, DP 20 points
Industry-based project.
R APPS 499
Note: Admission subject to approval from the Head of Department.

FORS 480 Research Project
ES, FY 0.1667 EFTS OL, OC, DP 20 points
A supervised project involving research and leading to the production of a research report.
LT PGDipApplPhy, PGDipSci
Note: Admission subject to approval from the Head of Department.

FORS 490 Dissertation
FY 0.5 EFTS OL, OC, DP 60 points
A supervised project involving original research and leading to the production of a dissertation.
LT BAppGSc(Hons), BSc(Hons), PGDipSci

FORS 495 Master’s Thesis Preparation
FY, N1 0.3333 EFTS OL, OC, DP 40 points
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master’s degree by papers and thesis.
R FORS 496
LT MSc, PGDipSci

Prescriptions
Functional Human Biology

See Biomedical Sciences programme requirements (page 94)

Gender Studies
GEND 101 Gender in Everyday Life
S1 0.15 EFTS OL, OC 18 points
Explores the social relationships between women and men in the family, popular culture, education, workplaces and other everyday settings, focusing on New Zealand examples from past and present.
SC Arts and Music

GEND 102 Bodies, Sexualities and Selves
S1 0.15 EFTS OL, OC 18 points
Experiences of bodies, identity and the connections between them, in contemporary and historical settings, using New Zealand and international examples.
SC Arts and Music

GEND 201 Introduction to Feminist Theory
S2 0.15 EFTS OL, OC 18 points
An exploration of aspects of feminist theory in the context of selected topics.
P One of GEND 101, 102, POLS 110, PHIL 103 or 54 points
SC Arts and Music

GEND 205 Gender and the Media
S2 0.15 EFTS OL, OC 18 points
Explores societies’ constructions of gender as formative of, and reproduced by, media, and how that process is subject to change.
SC Arts and Music

GEND 206 Gender, Work and Consumer Culture
S2 0.15 EFTS OL, OC 18 points
Explores the relationships between gender, paid and unpaid work, and cultures of consumption.
SC Arts and Music

GEND 207 Masculinities
S1 0.15 EFTS OL, OC 18 points
A critical exploration of the social construction of masculinity, drawing upon a range of approaches from feminism, sociology and cultural theory. New Zealand masculinities are considered within an historical and international context.
SC Arts and Music

GEND 208 Governing Bodies
S2 0.15 EFTS OL, OC 18 points
A critical exploration of the relationship between feminism, state power and issues of gender, sexuality and family, drawing upon approaches from feminism, political theory, criminology, and critical legal studies.
P One of GEND 101, 102, PHIL 103, POLS 110 or 54 points
SC Arts and Music

GEND 209 Critical Victimology
S1 0.15 EFTS OL, OC 18 points
The emergence of victimology within the field of criminology, the evolution of different victimological perspectives, and the relationship between victims of crime and the criminal justice system.
P GEND 101 or 102 or SOCI 103 or 54 points
R GEND 309
SC Arts and Music

GEND 210 Gender, Crime and Justice
NO (2021) 0.15 EFTS OL, OC 18 points
Feminist criminological approaches, controversies, debates around gender and justice, and critical examination of traditional and alternative responses.
P 18 100-level GEND or SOCI points or 54 points
R GEND 309
SC Arts and Music

GEND 234 Special Topic
NO 0.15 EFTS OL, OC 18 points
A special topic in Gender Studies.
P GEND 101 or 102 or 108 points
SC Arts and Music

GEND 305 Gender and the Media
S2 0.15 EFTS OL, OC 18 points
Explores societies’ constructions of gender as formative of, and reproduced by, media, and how that process is subject to change.
P 18 200-level GEND or SOCI points or 108 points
R GEND 205
SC Arts and Music

GEND 306 Gender, Work and Consumer Culture
S2 0.15 EFTS OL, OC 18 points
Explores the relationships between gender, paid and unpaid work, and cultures of consumption.
SC Arts and Music

GEND 307 Masculinities
S1 0.15 EFTS OL, OC 18 points
A critical exploration of the social construction of masculinity, drawing upon a range of approaches from feminism, sociology and cultural theory. New Zealand masculinities are considered within a historical and international context.
P 18 200-level GEND or SOCI points or 108 points
R GEND 207
SC Arts and Music

GEND 310 Gender, Crime and Justice
NO (2021) 0.15 EFTS OL, OC 18 points
Feminist criminological approaches, contemporary debates around gender and justice, and critical examination of traditional and alternative responses.
P 18 200-level GEND or SOCI points or 108 points
R GEND 210
SC Arts and Music

GEND 311 Interventions in Sexual Violence
S1 0.15 EFTS OL, OC 18 points
Exploration of theoretical and empirical work that looks for a solution to the problem of sexual violence.
SC Arts and Music

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<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>Gender in Everyday Life</td>
<td>GEND 101</td>
<td>S1 0.15 EFTS OL, OC 18 points</td>
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<tr>
<td>Bodies, Sexualities and Selves</td>
<td>GEND 102</td>
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<tr>
<td>Introduction to Feminist Theory</td>
<td>GEND 201</td>
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<td>Gender and the Media</td>
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</tr>
<tr>
<td>Gender, Crime and Justice</td>
<td>GEND 210</td>
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<td>Special Topic</td>
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<tr>
<td>Gender and the Media</td>
<td>GEND 305</td>
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<td>Gender, Work and Consumer Culture</td>
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<td>Masculinities</td>
<td>GEND 307</td>
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<tr>
<td>Gender, Crime and Justice</td>
<td>GEND 310</td>
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<tr>
<td>Interventions in Sexual Violence</td>
<td>GEND 311</td>
<td>S1 0.15 EFTS OL, OC 18 points</td>
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</table>

General Practice
GENX 702 Sexual and Reproductive Health
NO (2021) 0.25 EFTS OL, DL, DP 30 points
Principles of reproductive health care over the life cycle in different settings (e.g. adults, adolescents, travellers, MSM, early pregnancy). Topics include STIs, epidemiology, screening, prevention and treatment, contraception, sexual abuse, legislation and ethics.
R GENX 702
LT PGCert, PGCertPhC, PGDipPhC, PGCertPhH, PGDipNursPPHP, MHealSc, PGCertIPPhC
Note: Includes residential period/s.

GENX 704 Te Tāhauara: Māori Health
S1 0.25 EFTS OL, DL 30 points
A theory and practice paper particularly suitable for those working in primary health care. Includes historical, social and political contexts for Māori health including the Treaty of Waitangi, current Māori health status and priorities, concepts and models of health and well-being, frameworks for assessment and intervention, and Māori health initiatives and models for primary care delivery.
R GENX 704
LT PGCert, PGCertPhC, PGDipPhC, PGCert, PGCertNursPhC, PGDipNursPPHP, MHealSc, PGCertIPPhC
Note: Includes residential period/s.
GENA 708 Supervised Research Project
ES, FY 0.25 EFTS OL, DL 30 points
In approved circumstances, individual students can undertake a supervised research project after showing necessity on the previous paper supervision from either Department of General Practice, Dunedin or Department of Primary Health Care, Wellington.
R GENX 708

GENA 709 Long-term Condition Management
NO (2021) 0.25 EFTS OL, DL 30 points
Principles of effective long-term condition management, including models of care, practice-based resources, cultural competence, patient self-management, early detection, impact of chronic conditions, and end-of-life care.
R GENX 709, NURS 427, NURX 427
LT PCertGP, PCertGenHealSc, PCertPhC, PGDipGP, PGDipPhC, PGDipHealSc, PGDipPhPh
Notes: Includes residential period/s.

GENA 710 Mental Health and Illness in Primary Care
NO (2021) 0.25 EFTS OL, DL 30 points
Recognition, assessment and management of common mental health disorders in primary care.
R GENA 710
LT PCertGP, MHealSc, PCertPhC, PGDipGP, PGDipHealSc, PCertPhPh
Notes: (i) Includes residential period/s.; (ii) Students must hold a recognised qualification as a health professional and be currently employed in a primary health care setting.

GENA 711 Long-term Condition Management (Advanced)
NO 0.25 EFTS OL, DL 30 points
Principles of ongoing, culturally appropriate long-term condition management, including implementation of patient self-management approaches, integrated care, information technology, complexity approaches, population-based approaches, and change management processes.
P (GENA 709 or GENA 709) or (NURS 427 or NURX 427)
R NURS 428, NURX 428, GENA 711
LT PCertGP, PCertGenHealSc, PCertPhC, PGDipGP, PGDipHealSc, PGDipPhPh
Notes: Includes residential period/s.

GENA 713 Travel Medicine 1: Introductory Concepts
S1 0.25 EFTS OL, DL, DP 30 points
An overview of Travel Medicine as a specialty area of practice covering the principles of preparing the intending traveller with a focus on prevention, and a detailed knowledge of vaccine preventable illness and travel vaccines.
R GENA 713, 715
LT PCertGenHealSc, PCertPhC, PGDipGP, PCertPhPh, PGDipPhPh, PCertPhPh
L Wellington
Notes: Includes residential period/s.

GENA 714 Travel Medicine 2: Applied Concepts
S2 0.25 EFTS OL, DL, DP 30 points
Specific clinical concerns of travellers with special needs and specific clinical contexts, applying the principles from Travel Medicine 1.
P GENA 713 or GENA 713
R GENA 714, 715
LT PCertGenHealSc, PCertPhC, PGDipGP, PCertPhPh, PGDipPhPh
L Wellington
Notes: Includes residential period/s.

GENA 717 Generalist Medical Echocardiography
FY 0.25 EFTS OL, DL, DP 30 points
Principles of generalist-performed echocardiography, its application to medical diagnosis and management, especially in an emergency or rural setting, to more accurately diagnose and appropriately manage medical problems.
PC GENA 718
R GENA 717
LT PCertCPU, PGDipRPhP
Notes: (i) Prerequisite or corequisite: Antigene Ultrassound Solutions physics course. (ii) Includes three 5-residential periods.

GENA 718 Generalist Medical Ultrasonic
FY 0.25 EFTS OL, DL, DP 30 points
Principles of generalist-performed ultrasonic, its application to medical diagnosis and management, especially in an emergency or rural setting, to more accurately diagnose and appropriately manage medical problems.
P GENA 717 or GENA 717
R GENA 718
LT PCertCPU, PGDipRPhP
Notes: (i) Prerequisite or corequisite: Antigene Ultrassound Solutions physics course. (ii) Includes three 5-residential periods.

GENA 719 Tropical Infectious Disease
S1 0.25 EFTS OL, DL, DP 30 points
Overview of the key concepts of tropical infectious diseases. Students will gain a good general understanding of tropical infectious diseases, their epidemiology, diagnosis and management.
R GENA 719
LT PCertGP, PCertPhC, PCertGenHealSc, PGDipGP, PGDipPhC, PGDipPhPh, PCertPhPh
L Wellington
Notes: Includes residential period/s.

GENA 720 Refugee and Migrant Medicine
S2 0.25 EFTS OL, DL, DP 30 points
Health needs of refugee and migrant populations relevant to primary care practice. Health issues confronting health professionals working in developing countries.
LT PCertGP, PCertPhC, PGDipGP, PGDipPhC, PGDipPhPh, PCertPhPh
L Wellington
Notes: Includes residential period/s.

GENA 723 Trauma and Emergencies in Rural Settings
S1 0.25 EFTS OL, DL, DP 30 points
The management of trauma, medical and surgical emergencies in the rural setting. Includes immediate, intermediate and continuing care for the injured or critically ill patient.
R GENA 730, GENX 722
LT PCertRPhP, PGDipGP, PGDipPhC, PGDipPhPh
Notes: Includes one period of residential study.

GENA 724 The Context of Rural Hospital Medicine
S1 0.125 EFTS OL, DL, DP 15 points
The context of clinical care in rural hospitals in relation to the person and profession of the doctor, the hospital and the community.
R GENA 723, GENX 724
LT PCertRPhP, PGDipGP, PGDipPhC, PGDipPhPh

GENA 725 Communication in Rural Hospital Medicine
S1 0.125 EFTS OL, DL, DP 15 points
Clinical skills, knowledge and values required in the rural hospital setting for psychiatry, palliative care, and communication with patients in New Zealand’s bicultural and multicultural society.
R GENA 723
LT PCertRPhP, PGDipGP, PGDipPhC, PGDipPhPh

GENA 726 Obstetrics and Paediatrics in Rural Hospitals
NO (2021) 0.125 EFTS OL, DL, DP 15 points
The management of paediatrics, neonatal care, and obstetric and gynaecological emergencies in a rural hospital setting.
R GENA 721, 722
LT PCertGP, PGDipGP, PGDipPhC, PGDipPhPh
Note: May not be taken by students who have passed both GENA 721 and GENA 722.

GENA 727 Surgical Specialities in Rural Hospitals
N1 0.125 EFTS OL, DL, DP 15 points
The management of common surgical problems appropriate to be managed in a rural hospital setting. Includes general, vascular surgery, urology, urology, vascular surgery, urology, urology, and ENT.
R GENA 722
LT PCertGP, PGDipGP, PGDipPhC, PGDipPhPh
GENA 824 Ethics in General Practice
S2 0.125 EFTS OL, DL, DP 15 points
Code of practice, medico-legal obligations and practical ethical conundrums in general practice.
R GENA 824
LT PG CertGenPh, PG CertPHC, PG DipGP, PG DipHeaSc, PG DipPhG, PG DipRPH, M HeaSc
Note: May be taken by other approved students.

GENA 825 Culture, Health and Society
NO 0.125 EFTS OL, DL, DP 15 points
The cultural context of medicine and other healing modalities and the meanings that illness experiences have for people in those contexts.
R GENA 825
LT PG CertGenPh, PG CertPHC, PG DipGP, PG DipHeaSc, PG DipPhG, PG DipRPH, M HeaSc

GENA 826 Special Topic
NO 0.125 EFTS OL, DL, DP 15 points
This course is taught on a topic of relevance in general practice. The topic and content vary, taught by tutors to the department and by department staff.
R GENA 826

Note for GENA 826, 827, 828: Students will normally have completed a research methods paper before being admitted to the programme of study or be able to present evidence of appropriate research experience in a research degree or in major research projects.

GENA 827 Health Sciences Research Portfolio
Full-time, Part-year
NO 0.5 EFTS OL, DL 120 points
A 40,000-word research portfolio representing independent research under supervision, forming a coherent, related collection of work associated with a specified research topic or area of specialisation in the Health Sciences.
LT MGP, MPHCh, M TrAvMed

GENA 828 Health Sciences Research Portfolio
Part-time, Part-year
NO 0.25 EFTS OL, DL 120 points
A 40,000-word research portfolio representing independent research under supervision, forming a coherent, related collection of work associated with a specified research topic or area of specialisation in the Health Sciences.
LT MGP, MPHCh, M TrAvMed

GENA 829 Health Sciences Research Portfolio
(1/3)
NO 0.25 EFTS OL, DL 90 points
A 30,000-word research portfolio representing independent research under supervision, forming a coherent, related collection of work associated with a specified research topic or area of specialisation in the Health Sciences.
LT MGP, MPHCh, M TrAvMed

Note: Students normally complete research methods papers worth 30 points before commencing research for the portfolio.

General Practice for Dentistry

GDPD 701 General Practice I
N1 0.5 EFTS OC 60 points
Principles of dental care and how these relate to comprehensive delivery of general practice dentistry.
LT PG DipClinDent

GDPD 702 General Practice II
N1 0.5 EFTS OC 60 points
Clinical practice combined with self-directed special topics designed to allow upgrading of general practice dentistry skills.
LT PG DipClinDent

GDPD 730 General Practice PG DipClinDent
Special Topics
N1 0.5 EFTS OC 60 points

GDPD 801 General Practice I
NO 0.5 EFTS OL, OC 60 points
Principles of dental care and how these relate to comprehensive delivery of general practice dentistry.
LT MDS

GDPD 802 General Practice II
NO 0.5 EFTS OL, OC 60 points
Clinical practice combined with self-directed special topics designed to allow upgrading of general practice dentistry skills.
LT MDS

GDPD 803 General Practice III
NO 0.5 EFTS OL, OC 60 points
Clinical practice combined with self-directed advanced topic designed to allow upgrading of general practice dentistry skills.
LT MDS

GDPD 830 General Practice MDS Special Topics
NO 0.5 EFTS OL, OC 60 points

GDPD 880 General Practice Dissertation
NO 0.5 EFTS OL, OC 60 points
Supervised research presenting the results of an original research project on a relevant topic in the student’s area of interest within dentistry.
R GDPD 881
LT MDS

Genetics

GENE 221 Molecular and Chemical Genetics
S1 0.15 EFTS OL, OC 18 points
Mutations; genetic analysis in bacteria; mobile genetic elements; genetic analysis of regulatory circuits; DNA cloning and sequencing in genetic analysis; comparative microbial genomics; genetics and evolution of viruses of eukaryotes.
P CELS 191 and CHEM 191 and 36 further points
R GENE 221
RC BIOC 221
SC Science

GENE 222 Genes, Chromosomes and Populations
S2 0.15 EFTS OL, OC 18 points
Eukaryote genomes and genome evolution, phylogenetics, cytogenetics and chromosomes; extensions of Mendelian genetics; genetic mapping in eukaryotes; genes in populations, quantitative genetics.
P CELS 191 and 90 further points
RP GENE 221, BIOC 221
SC Science

GENE 223 Developmental and Applied Genetics
S2 0.15 EFTS OL, OC 18 points
Developmental genetics of bacteria, yeast, animals and plants; mutant screens to investigate gene function; applications of genetically engineered plants and animals in biotechnology; safety and regulation of GE organisms.
P CELS 191 and 90 further points
RP GENE 221, BIOC 221
SC Science

GENE 312 Evolutionary Genetics
S2 0.15 EFTS OL, OC 18 points
P Two of GENE 221, 222, ZOOL 222
SC Science

Note: In approved cases, another 200-level biological sciences paper may be substituted for one of GENE 221, 222, ZOOL 222.

GENE 313 Medical Genetics
S2 0.15 EFTS OL, OC 18 points
P GENE 221, 222, 223
SC Science

Notes: (i) In approved cases, another 200-level biological sciences paper may be substituted for one of GENE 221-223.
(ii) This paper includes additional non-streamed lab time that does not appear in the timetable. Please contact the department for further details.

GENE 314 Developmental Genetics
S2 0.15 EFTS OL, OC 18 points
P GENE 223 and (GENE 221 or 222)
SC Science

Note: This paper includes additional non-streamed lab time that does not appear in the timetable. Please contact the department for further details.

GENE 315 Genomes
S1 0.15 EFTS OL, OC 18 points
Genome content and genetic elements within genomes. Genome variation and its effects within and between species. How genomes influence phenotype. Bioinformatic methods used for analysis of genomes.
P Two of GENE 221, 222, BIOC 221
R GENE 311
SC Science

Notes: (i) GENE 222, BIOC 221 strongly recommended. (ii) In approved cases another paper from the Science schedule may be substituted for one of these papers.

GENE 360 Extension Topics and Research Skills
FY 0.15 EFTS OL, OC, DP 18 points
Guided work and assignments in literature research, evaluation and criticism of published papers, essay writing and data analysis.
SC Science

GENE 411 Current Topics in Genetics
S1 0.1667 EFTS OL, OC, DP 20 points

GENE 412 Current Topics in Genetics
S2 0.1667 EFTS OL, OC, DP 20 points

GENE 480 Research Project
FY, N1 0.3333 EFTS OL, OC, DP 40 points
A supervised project involving research and leading to the production of a research report.
LT PG DipSci, PG DipAppSci

GENE 490 Dissertation
FY, N1 0.5 EFTS OL, OC, DP 60 points
A supervised project involving original research and leading to the production of a dissertation.
LT BAppSc(Hons), BSc(Hons), PG DipSci

GENE 495 Master’s Thesis Preparation
FY, N1 0.3333 EFTS OL, OC, DP 40 points
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master’s degree by papers and thesis.
LT MSc

Geographic Information Systems
See Applied Science programme requirements (page 77) and minor subject requirements (page 100).

Geography

GEOG 101 Physical Geography
S1 0.15 EFTS OL, OC 18 points
An introduction to the geographic study of the Earth’s environmental systems, with particular emphasis on the nature of energy, landforms, vegetation, surficial materials and water. Includes laboratory studies, tutorials and field work.
SC Arts and Music, Science

Key
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; RC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information. (Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers)
GEOG 102 Human Geography
S2 0.15 EFTS OL, OC 18 points
An introduction to human geography which emphasises population, cultural and human behavioural issues, resource society and economic development and settlement systems. Includes laboratory studies, tutorials and field work.
SC Arts and Music, Science

GEOG 210 Social Geography
S2 0.15 EFTS OL, OC 18 points
Geographical aspects of major social issues facing modern Western society.
P GEOG 102 or 108 points
R GEOG 381
SC Arts and Music, Science

GEOG 212 Transformations in Developing Countries
NO (2021) 0.15 EFTS OL, OC 18 points
A critical study of major rural and urban development issues and problems in developing countries.
P GEOG 102 or 108 points
R GEOG 382
SC Arts and Music, Science

GEOG 214 Economic Geography of the Post-World War II Era
S1 0.15 EFTS OL, OC 18 points
An examination of the key spatial economic processes and trends which have both characterised and shaped the post-World War II world.
P GEOG 102 or 108 points
R GEOG 374
SC Arts and Music, Science

GEOG 215 Urban Geography
NO (2021) 0.15 EFTS OL, OC 18 points
The urbanisation process; cities as part of an urban system; how social relations help shape patterns of land use and urban form; equity and power in the urban environment.
P GEOG 102 or 108 points
R GEOG 384
SC Arts and Music, Science

GEOG 216 Resource Evaluation and Planning
S1 0.15 EFTS OL, OC 18 points
Geographical aspects of decision-making processes for resource planning and management.
P GEOG 102 or 108 points
SC Arts and Music, Science

GEOG 219 Special Topic
S2 0.15 EFTS OL, OC 18 points
P GEOG 102 or 108 points
R GEOG 328
SC Arts and Music, Science

GEOG 228 Uneven Development in Contemporary India
S1 0.15 EFTS OL, OC 18 points
The major economic, political and social processes and trends which have both characterised and shaped India in the post-colonial period.
P GEOG 102 or 108 points
R GEOG 328
SC Arts and Music, Science

GEOG 276 Geographies of Contestation, Action and Change
NO (2021) 0.15 EFTS OL, OC 18 points
Geographies of contestation and action and how groups from the local to global scales have initiated processes and practices to create alternative, more sustainable and equitable futures.
P GEOG 102 or 108 points
R GEOG 376
SC Arts and Music, Science

GEOG 280 Research Methodology in Human Geography
S1 0.15 EFTS OL, OC, DP 18 points
An introduction to methodology and field research as practised in human geography.
P GEOG 101, 102
SC Arts and Music, Science

GEOG 281 Topics in Physical Geography
NO (2021) 0.15 EFTS OL, OC 18 points
An occasional paper on topics of interest; laboratories as required.
P GEOG 101
SC Arts and Music, Science

GEOG 282 Climate Change: Present and Future
NO (2021) 0.15 EFTS OL, OC 18 points
Principles of meteorology; with particular reference to climate variations; twentieth-century climate change; estimates of future climate; laboratories as required.
P GEOG 101
R GEOG 388
SC Arts and Music, Science

GEOG 283 Climate Change: The Past
NO (2021) 0.15 EFTS OL, OC 18 points
Character and definition of the Quaternary period; dating methods, a review of proxy data sources, geomorphology and climate change, Quaternary environments of the Southern Hemisphere; laboratories as required.
P GEOG 101 or EDCS 111
R GEOG 389
SC Arts and Music, Science

GEOG 284 Soils and the Environment
NO (2021) 0.15 EFTS OL, OC 18 points
The characteristics and structure of soils; nutrient systems; human impact on soils; laboratories as required.
P GEOG 101
R GEOG 390
SC Arts and Music, Science

GEOG 286 Climatology
S2 0.15 EFTS OL, OC 18 points
Climates over different surfaces, micro and local climates; urban climates; laboratories as required.
P GEOG 101
R GEOG 392
SC Arts and Music, Science

GEOG 287 Plants, People and the Environment
S2 0.15 EFTS OL, OC 18 points
Historical biogeography of plants; plant adaptations and vegetation dynamics; world biome types; plants and society; human impacts on vegetation.
P GEOG 101
R GEOG 393
SC Arts and Music, Science

GEOG 288 Rivers and Runoff
NO (2021) 0.15 EFTS OL, OC 18 points
Precipitation, runoff and floods; laboratories as required.
P GEOG 101
R GEOG 394
SC Arts and Music, Science

GEOG 289 Geomorphology
S1 0.15 EFTS OL, OC 18 points
Sediment transport, sedimentology and geomorphology of rivers, evolution of river systems and river management; laboratories as required.
P GEOG 101
R GEOG 395
SC Arts and Music, Science

GEOG 290 Field Research Methods (Science)
FY 0.15 EFTS OL, OC, DP 18 points
An introduction to field research in geography.
P GEOG 101, 102
SC Arts and Music, Science

GEOG 298 Coastal Geomorphology
NO (2021) 0.15 EFTS OL, OC 18 points
Processes responsible for the development of coasts; how coastal landforms develop and change.
P GEOG 101
R GEOG 398
SC Arts and Music, Science

GEOG 299 Freshwater Resources: Monitoring and Management
NO (2021) 0.15 EFTS OL, OC 18 points
Physical and human processes affecting water quality of rivers, groundwater and wetlands.
P GEOG 101
R GEOG 399
SC Arts and Music, Science

GEOG 328 Uneven Development in Contemporary India
S1 0.15 EFTS OL, OC 18 points
The major economic, political and social processes and trends which have both characterised and shaped India in the post-colonial period.
P 54 GEOG points
R GEOG 228
SC Arts and Music, Science

GEOG 374 Economic Geography of the Post-World War II Era
S1 0.15 EFTS OL, OC 18 points
An examination of the key spatial economic processes and trends which have both characterised and shaped the post-World War II world.
P 54 GEOG points
R GEOG 214
SC Arts and Music, Science

GEOG 376 Geographies of Contestation, Action and Change
NO (2021) 0.15 EFTS OL, OC 18 points
Geographies of contestation and action and how groups from the local to global scales have initiated processes and practices to create alternative, more sustainable and equitable futures.
P GEOG 280 or 108 points of which at least 18 points must be at 200-level
R GEOG 276
SC Arts and Music, Science

GEOG 378 Geographies of the South Pacific
NO 0.15 EFTS OL, OC 18 points
An exploration of contemporary debates in geography with an emphasis on their expression in South Pacific contexts.
P 54 GEOG points
R GEOG 278
SC Arts and Music, Science

GEOG 379 Special Topic in Human Geography
S2 0.15 EFTS OL, OC 18 points
Topics of current interest in human geography; tutorials, field and practical work as required.
P GEOG 102 or 108 points
SC Arts and Music, Science

GEOG 380 Field Research Studies
FY 0.15 EFTS OL, OC, DP 18 points
Field research methods, analytical techniques and report writing.
P GEOG 280 or 290
SC Arts and Music, Science

GEOG 381 Social Geography
S2 0.15 EFTS OL, OC 18 points
Geographical aspects of major social issues facing modern Western society.
P GEOG 102 or 108 points
R GEOG 210
SC Arts and Music, Science

GEOG 382 Transformations in Developing Countries
NO (2021) 0.15 EFTS OL, OC 18 points
A critical study of major rural and urban development issues and problems in developing countries.
P 54 GEOG points
R GEOG 212
SC Arts and Music, Science

GEOG 384 Urban Geography
NO (2021) 0.15 EFTS OL, OC 18 points
The urbanisation process; cities as part of an urban system; how social relations help shape patterns of land use and urban form, equity and power in the urban environment.
P 54 GEOG points
R GEOG 215
SC Arts and Music, Science
An occasional paper on a topic of current interest to staff.

An occasional paper on a topic of current interest to staff.

An occasional paper on a topic of current interest to staff.

An occasional paper on a topic of current interest to staff.

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GEOL 401 Current Topics and Advanced Methods in Geoscience
FY 0.1667 EFTS OL, OC 20 points
Contemporary views and important recent advances in geoscience research. Advanced methods and techniques in field- and laboratory-based geoscience research including research planning, scientific writing and presentation of findings.
R GEOL 402, 403
GEOL 402 Advanced Research Methods in Geoscience 1
S2 0.0833 EFTS OL, OC 10 points
Advanced methods and techniques in field- and laboratory-based geoscience research, including research planning, scientific writing and presentation of findings.
R GEOL 401
GEOL 403 Advanced Research Methods in Geoscience 2
S1 0.0833 EFTS OL, OC 10 points
Advanced methods and techniques in field- and laboratory-based geoscience research, including research planning, scientific writing and presentation of findings.

PC GEOL 402
R GEOL 401
GEOL 450 Special Topic 1
NO 0.0833 EFTS OL, OC 10 points
Note: Not all 400-level GEOL papers will be available in any one year. Decisions will be based on enrolment numbers and will be discussed with students at the start of the academic year.

GEOL 461 Advanced Topics in Geophysics 1
S1 0.0833 EFTS OL, OC 10 points
Practical and conceptual approaches to understanding geophysical processes (particularly seismology) to investigate and image geological features and the processes that have formed such features.
R GEOL 431
GEOL 462 Advanced Topics in Geochemistry
S1 0.0833 EFTS OL, OC 10 points
Principles and applications of geochemistry to studies of rocks, ores, sediments, soils and natural waters.
R GEOL 422
GEOL 463 Advanced Topics in Paleobiology and Evolution
S1 0.0833 EFTS OL, OC 10 points
Fossils and the origins of the New Zealand biota; macroevolution, past and present; case studies in paleobiology.
R GEOL 427
GEOL 464 Advanced Topics in Igneous Processes
S1 0.0833 EFTS OL, OC 10 points
Practical and theoretical investigations of magmatic rock suites, with the goal of understanding the processes that lead to volcanicism on Earth.
R GEOL 422
GEOL 465 Advanced Topics in Structural Geology
S1 0.0833 EFTS OL, OC 10 points
Theoretical and practical approaches to understanding structural geology; fault zones, shear zones and earthquake ruptures.
R GEOL 430
GEOL 471 Advanced Topics in Geophysics 2
S2 0.0833 EFTS OL, OC 10 points
Practical and conceptual approaches on the use of rock- and paleomagnetism in stratigraphic, chronostratigraphic, environmental, volcanic, structural and tectonic studies.
R GEOL 431
GEOL 472 Advanced Topics in Environmental Geochemistry
S2 0.0833 EFTS OL, OC 10 points
A theoretical and practical paper focused on geochemical contamination and remediation processes.
Note: May not be credited together with GEOL 450 passed in 2018.

GEOL 473 Advanced Topics in Paleonanography and Paleoclimatology
S2 0.0833 EFTS OL, OC 10 points
Advanced discussions and analysis of marine and terrestrial records used to reconstruct oceanographic and climatic change.
R GEOL 421
GEOL 474 Advanced Topics in Metamorphism and Mineralisation
S2 0.0833 EFTS OL, OC 10 points
A theoretical and practical investigation of metamorphic rocks, processes and mineralisation.
R GEOL 422
GEOL 475 Advanced Topics in Rock Deformation
S2 0.0833 EFTS OL, OC 10 points
Theoretical and practical approaches to understanding the deformation of rocks and ice, deformation mechanisms, active faulting processes, and associated natural hazards.
R GEOL 430
GEOL 480 Research Project
FY, N1 0.3333 EFTS OL, OC, DP 40 points
A supervised project involving research and leading to the production of a research report.
LT PGDipSci
GEOL 490 Dissertation
FY 0.5 EFTS OL, OC, DP 60 points
A supervised project involving original research and leading to the production of a dissertation.
LT BSc(Hons), PGDipSci
GEOL 495 Master's Thesis Preparation
FY, N1 0.3333 EFTS OL, OC, DP 40 points
LT MSc

Geosciences
For MSc schedule see the University Calendar.

German

GERM 131 Introductory German 1
S1 0.15 EFTS OL, OC 18 points
German language for absolute beginners.
R GERM 105, 101, 132 or any other more advanced German language paper
SC Arts and Music
Note: This paper is for beginners only and is not available to students who have passed NCEA Level 2 or 3 (or equivalent) in German. For further information, contact the Programme Coordinator (languages@otago.ac.nz).

GERM 132 Introductory German 2
S2 0.15 EFTS OL, OC 18 points
Basic German language. Continuation of GERM 131.
P GERM 101 or 105 or 131
R GERM 102 or 230 or any other more advanced German language paper
SC Arts and Music
Note: You may be able to take this paper without the prerequisite if you can demonstrate the required ability. Use Special Permission as part of paper selection on the Resume or Submit page. Please list any qualifications you have gained e.g. NCEA, and years studied, as well as a note of any other exposure to this language. This request together with any documentation you provide or request for the transfer of credit(s) will then be submitted for approval.

GERM 230 German Language 3
S1 0.15 EFTS OL, OC 18 points
The development of skills in German language to an intermediate level, building on GERM 132 (continuing the same course book).
P GERM 102 or 132
R GERM 111, 113, 231 or any other more advanced German language paper
SC Arts and Music
Note: (i) Cannot be taken by students who have already passed GERM 231. (ii) The prerequisite may be waived for students with an equivalent level of German language. (iii) If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.

GERM 231 Intermediate German 1
S2 0.15 EFTS OL, OC 18 points
The development of skills in German language to an intermediate level.
P GERM 230
R GERM 114 or 331 or any other more advanced German language paper
SC Arts and Music
Notes: (i) The prerequisite may be waived for students with an equivalent level of German language, or a background in NCEA Level 3 German. (ii) If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.

GERM 331 Intermediate German 2
S1 0.15 EFTS OL, OC 18 points
Develops practical knowledge of different levels and styles of spoken and written German.
P GERM 114 or 231
R GERM 201 or 334 or any other more advanced German language paper
SC Arts and Music

GERM 334 Advanced German 1
NO (2021) 0.15 EFTS OL, OC 18 points
German written and oral communication skills at an advanced level.
P GERM 201 or 331
R GERM 301, 332, 325 or any other more advanced German language paper
SC Arts and Music

GERM 335 Advanced German 2
S2 0.15 EFTS OL, OC 18 points
An extension of German written and oral communication skills at an advanced level.
P GERM 334
R GERM 301, 332
SC Arts and Music

GERM 341 Topics in German
NO 0.15 EFTS OL, OC 18 points
In-depth study of German themes in literature and culture at an advanced level.
P GERM 334
R GERM 301, 332
SC Arts and Music

GERM 441 Advanced Topics in German
ES 0.1667 EFTS OL, OC 20 points
A supervised project involving original research and leading to the production of a dissertation.
LT BSc(Hons), PGDipSci

GERM 451 Studies in German
ES 0.1667 EFTS OL, OC, DP 20 points
Studies in German language and culture taken at a university in Germany.
LT BA(Hons), PGDipArts

GERM 452 Studies in German
ES 0.1667 EFTS OL, OC, DP 20 points
Studies in German language and culture taken at a university in Germany.
LT BA(Hons), PGDipArts

GERM 490 Dissertation
N1, N2 0.5 EFTS OL, OC 60 points
A dissertation on an approved and individually-supervised research topic in German; of up to 15,000 words if written in German, or 20,000 words if written in English.
LT BA(Hons), PGDipArts

GERM 590 Research Dissertation
N1, N2 0.5 EFTS OC, DL 60 points
A supervised research dissertation of up to 20,000 words on an approved topic, written in German or English.
LT MA
Global Cultures

GLBL 101 Introduction to Intercultural Communication
S2 0.15 EFTS OL, OC 18 points Understanding communication across cultures: communication styles, interpersonal relationships and intercultural competency.
SC Arts and Music

GLBL 201 Cultures of the Environment
S2 0.15 EFTS OL, OC 18 points A critical examination of the concept of environment (nature) from a cross-cultural perspective, with focus on sustainability, environmental justice, and conservation.
P 36 points R GLBL 301 SC Arts and Music

GLBL 202 A World of Stories: Global Storytelling in the Digital Age
S1 0.15 EFTS OL, OC 18 points The power of storytelling from a cross-cultural perspective; fantasy, fairy tales and digital narratives and how they interpret and change our world.
P 36 Points R GLBL 201 SC Arts and Music

GLBL 301 Cultures of the Environment (Advanced)
S2 0.15 EFTS OL, OC 18 points An advanced critical examination of the concept of environment (nature) from a cross-cultural perspective, with focus on sustainability, environmental justice, and conservation.
P 72 points R GLBL 201 SC Arts and Music

GLBL 302 A World of Stories: Global Storytelling in the Digital Age (Advanced)
S1 0.15 EFTS OL, OC 18 points The power of storytelling from a cross-cultural perspective; fantasy, fairy tales and digital narratives and how they interpret and change our world.
P 72 Points R GLBL 202 SC Arts and Music

GLBL 303 Applied Research Project
NO (2022) 0.15 EFTS OL, OC 18 points An applied research project to be developed in line with the students’ selected pathways in their Global Studies programme.
P GLBL 201 or 202 SC Arts and Music

Greek

GREK 111 Introductory Greek 1
S1 0.15 EFTS OL, OC 18 points A reading-based beginners’ paper covering the basic elements of Ancient Greek grammar and vocabulary, designed to develop reading skills in Ancient Greek.
SC Arts and Music

GREK 112 Introductory Greek 2
S2 0.15 EFTS OL, OC 18 points A continuation of GREK 111, including the study of texts taken from Classical Athens.
P GREK 111 SC Arts and Music

GREK 211 Intermediate Greek
S1 0.15 EFTS OL, OC 18 points A consolidation of linguistic skills in Greek, and a study of selected Greek prose texts from the Classical period.
P GREK 211 SC Arts and Music

GREK 212 Intermediate Greek Authors
S2 0.15 EFTS OL, OC 18 points A study of selections from two Greek authors of the Classical period.
P GREK 211 SC Arts and Music

Hazard Assessment and Management

HAZ 401 Management of Chemical Hazards
N1 0.1667 EFTS OL, DL 20 points Principles that guide the identification and practical treatment of chemical hazards in today’s society.
R CHEM 477, CHEX 477, HAZX 401

HAZ 408 Radiation Hazards
NO 0.1667 EFTS OL, DL 20 points An introduction to the nature and uses of radiation in New Zealand, and the legislation and regulations associated with radiation use in New Zealand.
R HAZX 408

HAZ 409 New Organisms: Risk Assessment and Management
N1, N2 0.1667 EFTS OL, DL 20 points New organisms in New Zealand: historical and legislative view; entry of new organisms; examples of risk assessment and management systems for established, new and potentially modified organisms.
R HAZX 409

Health Management

HMXT 790 Dissertation
ES, FY, N1 0.5 EFTS OC 60 points A supervised dissertation presenting the results of an original research project on a relevant topic in the student’s area of interest within health sciences.
LT MHealSc L Dunedin, Wellington, Christchurch

Health Sciences

HASC 401 Special Topic
NO 0.25 EFTS OL, OC, DL, DP 30 points Evidence-based overview of genomics medicine in Aotearoa and internationally, exploring key concepts and contemporary ethical, legal, social and cultural considerations associated with its adoption into healthcare.
R HAXX 401
LT MHealSc, PGDipHealSc, PGDPHPHC

HASC 402 Special Topic
ES 0.125 EFTS OL, OC, DL 15 points A supervised research project up to 10,000 words involving the results of an original research project on a relevant topic in the student’s area of interest within health sciences.
LT MHealSc L Dunedin, Wellington, Christchurch

HASC 417 Health Sciences Research Methods
FY 0.25 EFTS OL, DL, DP 30 points An introduction to research methods used in the health sciences including biostatistical concepts essential to the design and analysis of a quantitative research project and a range of qualitative approaches to research.
R HAXX 417
LT MHealSc, MHSc, MTRVmed, MGP, PGDipHealSc, PGCertGP, PGCertPHC, PGDipGP, PGDPHPHC, PGDPTravmed, PGDPMLSc, PCGCertHealSc, PGDPHealSc
L Wellington
Note: May be taken by other approved students.

HASC 590 Dissertation
ES, FY, N1 0.5 EFTS OL, OC, DL 60 points A supervised dissertation of up to 20,000 words presenting the results of an original research project on a relevant topic in the student’s area of interest within health sciences.
LT MHealSc L Dunedin, Wellington, Christchurch

HASC 701 Working in Interprofessional Clinical Teams
NO (2021) 0.25 EFTS OL, DL 30 points An introduction and practical application of research and theory to team culture, roles, development, decision-making, communication and collaborative leadership to enhance clinical outcomes through increased effectiveness as an interprofessional team member.
LT MHealSc, PGDipHealSc, PGDPHealSc, PCGCertHealSc

HASC 780 Research Project
ES, FY, N1 0.25 EFTS OL, OC, DL 30 points A supervised research project up to 10,000 words involving the development, implementation and reporting of an original topic in the student’s area of professional interest within health sciences.
R HAXX 780
LT MHealSc L Dunedin, Wellington, Christchurch

HASC 817 Health Sciences Master’s Research Methods
FY 0.25 EFTS OL, DL, DP 30 points Quantitative and qualitative research methodology and critical analysis for master’s level health sciences research. Project design and development, critical appraisal, theoretical perspectives, independent application and analysis of complex material.
LT MHealSc L Wellington
Note: May be taken by other approved students. Includes three residential periods.

Hebrew

HEBR 131 Introductory Biblical Hebrew 1
S1 0.15 EFTS OL, OC, DL 18 points A paper for beginners covering the basics of Biblical Hebrew grammar and vocabulary, to enable students to read the Hebrew Bible in the original.
R HEBX 131 SC Arts and Music, Theology

HEBR 132 Introductory Biblical Hebrew 2
S2 0.15 EFTS OL, OC, DL 18 points A continuation of HEBR131, including the translation and exegesis of selected passages from the Hebrew Bible.
R HEBR 131 or HEBX 131 L HEBX 132 SC Arts and Music, Theology

Higher Education

HEDU 501 Critical Reflection on Higher Education
FY 0.25 EFTS OL, DL 30 points A critical examination of personal theories of tertiary teaching within a comparative framework of contemporary literature and practice. As one of the principal modes of teaching is online learning, all students are required to have access to the Internet.
R HEDX 501, EDCJ 507
LT PGCertHighE, PGDPHighE, MHEd
Note: Restricted to selected professional students.
Examination of contemporary research on student learning. Explanation of the effects of participants' teaching practices on how students learn in order to enhance student learning outcomes. As one of the principal modes of teaching is on-line learning, all students are required to have access to the Internet.

HEDU 502 Learning Theory and Practice in Higher Education
PY 0.25 EFTS OL, OC, DL 30 points
Examination of contemporary research on student learning. Explanation of the effects of participants' teaching practices on how students learn in order to enhance student learning outcomes. As one of the principal modes of teaching is on-line learning, all students are required to have access to the Internet.

HEDU 503 Research in Higher Education
S1 0.25 EFTS OL, OC, DL 30 points
An introduction to qualitative approaches to research of teaching and learning in higher education. Using individual and peer supervision, participants explore methodological issues and plan a research project that is the focus of HEDU 510 or HEDU 590. All students are required to have access to the Internet.

HEDU 504 Academic Leadership in Higher Education
S2 0.25 EFTS OL, OC, DL 30 points
A critical examination of academic leadership using contemporary leadership theories. Understanding how academic leadership is situated in a contemporary higher education sector.

Note: All students are required to have access to the Internet.

HEDU 510 Special Topic
S2 0.25 EFTS OL, OC, DL 30 points
Educational research of a topic that is situated within the context of teaching and learning in higher education. All students are required to have access to the Internet.

HEDU 590 Research Project
NLT 0.5 EFTS OL, OC, DL 60 points
Supervised educational research of a topic that is situated within the context of teaching and learning in higher education.

Note: Students may be admitted with approval from the Head of Department of the Higher Education Development Centre.

HIST 102 The Global Twentieth Century
S2 0.15 EFTS OL, OC 18 points
An exploration of the twentieth century's wars and revolutions, booms and busts, dictators and democrats, providing a secure historical basis for understanding today's complex globalised world.

HIST 106 Global History: Asia, Europe and the Middle East
S1 0.15 EFTS OL, OC 18 points
How encounters between the peoples of Asia, Europe and the Middle East have shaped human history, with some focus on the spread of Islam and international trade.

HIST 107 New Zealand in the World from the 18th Century
S1 0.15 EFTS OL, OC 18 points
New Zealand history in a global perspective: the war forces of imperialism, colonisation, capitalism and racial conflict have shaped modern New Zealand and its place in the world.

HIST 108 From Medieval to Modern Europe
S2 0.15 EFTS OL, OC 18 points
An examination of principal trends in the development of European civilisation between the early Middle Ages and the twentieth century.

HIST 123 Revolutions
S1 0.15 EFTS OL, OC 18 points
An examination of the ways in which revolutions have transformed the world.

HIST 204 China: Oracle Bones to Revolution
NO (2022) 0.15 EFTS OL, OC 18 points
Chinese history and culture from earliest times until the twentieth century
P 18 100-level HIST points or 108 points
SC Arts and Music

HIST 208 Pacific Islands to C. 1900
NO 0.15 EFTS OL, OC 18 points
The Pacific Islands in the late Eighteenth and Nineteenth centuries prior to European colonisation. Focuses on contact between indigenous societies and a range of European agents.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 210 War and Environment
NO 0.15 EFTS OL, OC 18 points
This course examines the role of environmental issues in causing war, the impact of war on various environments, and the role of the environment in determining the outcomes of conflict.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 211 Modern Japan: From Samurai to Salarimen
NO 0.15 EFTS OL, OC 18 points
The transformation of Japan between the mid-nineteenth century and the 1960s from a feudal society dominated by samurai to a modern nation-state run by salarymen.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 212 Democratic Promise: The USA to 1900
NO 0.15 EFTS OL, OC 18 points
A survey of the history of the United States during the earliest years of its development. The paper examines the role groups and individuals played in pushing the nation to live up to the democratic ideals of its creation. It will consider both the country's successes and its failures.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 213 Rise to Globalism: The USA since 1900
NO 0.15 EFTS OL, OC 18 points
A survey of the history of the United States in the twentieth century, which saw the nation transformed from an isolationist, middle-level power to the world's most powerful nation. The paper examines the causes and significance of this change, from domestic and international perspectives.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 215 Heretics, Witches, and Inquisitors
S1 0.15 EFTS OL, OC 18 points
An examination of heretical movements and their persecution as well as witch-hunt in medieval and early modern Europe (1000-1700) in the religious, social, political and intellectual contexts.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 218 Modern Irish History Since 1798
NO (2022) 0.15 EFTS OL, OC 18 points
Critical examination of the social, political, religious, cultural, and economic history of Ireland from 1798 until the present day.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 222 Empires and Globalisation
S2 0.15 EFTS OL, OC 18 points
A critical exploration of the making of the modern world from the mid-eighteenth century through to September 11, 2001 and beyond.

P One 100-level HIST paper or 54 points
SC Arts and Music

Note: May not be credited together with HIST 230 passed in 2003.

HIST 224 Anzac and Its Legacy: New Zealand and the First World War
NO 0.15 EFTS OL, OC 18 points
An intensive study of New Zealanders' involvement in the First World War both as fighting soldiers and civilians, incorporating Australian, British, North American and European comparative elements.

P One 100-level HIST paper or 54 points
R HIST 105
SC Arts and Music

HIST 225 Totalitarian Regimes: Europe 1922-1945
S1 0.15 EFTS OL, OC 18 points
A comparative exploration of attempts to create totalitarian regimes between 1922 and 1945 in Fascist Italy, Nazi Germany, Soviet Russia, and elsewhere.

P One 100-level HIST paper or 54 points
SC Arts and Music

Note: May not be credited together with HIST 231 passed in 2004.

HIST 226 Cultures of Colonialism: The North American West
NO 0.15 EFTS OL, OC 18 points
A critical examination of Spanish, French and British imperialism in the North American West and the colonial cultures that developed in that region as a result of cross-cultural encounters with Aboriginal peoples from 1763 to 1930.

P One 100-level HIST paper or 54 points
SC Arts and Music

Note: May not be credited together with HIST 230 passed in 2008.

HIST 228 Scottish History since 1688
NO 0.15 EFTS OL, OC 18 points
A critical examination of the key economic, political, social, and cultural developments of Scotland since 1688.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 229 Darwin versus God? Science and Society, 1789-1914
NO (2022) 0.15 EFTS OL, OC 18 points
A critical examination of the history of the natural and social sciences in cultural and religious context from the Enlightenment to the First World War.

P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 230 Special Topic
SS 0.15 EFTS OL, OC, DL 18 points
Examination of the extraordinary transformation in New Zealand family forms from 1830 to today. How these changes occurred and the role of the law in shaping these transformations.

P One 100-level HIST paper or 108 points
R HIST 333
SC Arts and Music

HIST 231 Special Topic
NO 0.15 EFTS OL, OC 18 points
P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 232 Special Topic
NO 0.15 EFTS OL, OC 18 points
P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 233 Special Topic
NO 0.15 EFTS OL, OC 18 points
P One 100-level HIST paper or 54 points
SC Arts and Music

Note: May not be credited with HIST 233 taken in 2013 or HIST 230 taken in 2014.

HIST 234 Crime, Shame and Scandal in New Zealand
NO 0.15 EFTS OL, OC 18 points
How the idea of ‘reputation’ changed between 1800 and 1800, and how public scandal and private shame reinforced particular social values.

P One 100-level HIST paper or 54 points
SC Arts and Music

Note: May not be credited together with HIST 231 passed in 2010, 2013 and 2015.
HIST 236 Modern Russia and the Soviet Union
NO 0.15 EFTS OL, OC 18 points
Changes in Russian and Soviet politics, economy, culture and society from the revolutions of 1917 up until the 1990s.
P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 241 War and the Modern World
S2 0.15 EFTS OL, OC 18 points
Through a series of case studies we explore how war has transformed the modern world. Themes include imperialism and colonial wars, war and nationalism, genocide and war and memory.
P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 242 Histories of Crime and Punishment
S1 0.15 EFTS OL, OC 18 points
Examines the development of crime and punishment in order to explore the emergence of modern states.
P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 244 New Zealand Society and Religion
S1 0.15 EFTS OL, OC 18 points
The religions of New Zealanders and their social, cultural and political impact.
P One 100-level HIST paper or 54 points
R HIST 300
SC Arts and Music

HIST 245 Global Migrations: From Slavery to Refugees
S2 0.15 EFTS OL, OC 18 points
P One 100-level HIST paper or 54 points
SC Arts and Music

HIST 246 Activist Histories: Contesting Settler Colonialism
NO (2021) 0.15 EFTS OL, OC 18 points
Explores Indigenous challenges to settler colonialism in Australia, Canada and New Zealand from the nineteenth century to the present.
P One 100-level HIST paper, or MAOR 102, or 54 points
SC Arts and Music

Note for HIST 303, 306, 308, 310, 328, 329, 335, 337, 353: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

HIST 303 Modern India
NO 0.15 EFTS OL, OC 18 points
The history of modern India from when the British secured control over the sub-continent to independence in 1947. 
P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 304 China in Revolution
S1 0.15 EFTS OL, OC 18 points
A study of revolution, focused on China in the twentieth century.
P 18 200-level HIST or ARTH points
SC Arts and Music

HIST 306 Medical History
NO 0.15 EFTS OL, OC 18 points
An examination of aspects of Western medicine in the nineteenth and twentieth centuries.
P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 307 Topics in European History
NO 0.15 EFTS OL, OC 18 points
P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 308 New Zealand Society and Religion (Advanced)
S1 0.15 EFTS OL, OC 18 points
The religions of New Zealanders and their social, cultural and political impact.
P 18 200-level HIST or ARTH points
R HIST 208, 244
SC Arts and Music

HIST 310 Issues in United States History
NO 0.15 EFTS OL, OC 18 points
A critical examination of an issue or period in American history.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 314 State and Society in Twentieth-Century Japan
NO 0.15 EFTS OL, OC 18 points
A study of state-society relations through the lense of ‘civil society’ reveals the vibrancy of social movements and the complexity of power relations in the Showa era (1926-1989).

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

Notes: (i) May not be credited together with HIST 331 passed in 2008 or 2009. (ii) Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

HIST 325 Modern Italy
S2 0.15 EFTS OL, OC 18 points
A critical examination of the history of modern Italy, covering a period from the late eighteenth to the twentieth century, with an emphasis on the international context.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

Notes: (i) May not be credited together with HIST 333 passed in 2004 or 2005. (ii) Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

HIST 327 Interpreting Major Lives: Rebels, Radicals and Reformers
NO (2022) 0.15 EFTS OL, OC 18 points
The representation of nineteenth- and twentieth-century Māori leadership through popular culture, including biography, autobiography, novels and other media.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

Notes: (i) May not be credited together with HIST 333 passed in 2006 or 2007. (ii) Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

HIST 328 Irish and Scottish Migrations in the 19th and 20th Centuries
NO 0.15 EFTS OL, OC 18 points
A critical examination of the causes and consequences of migration from Ireland and Scotland since 1800.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 329 War and Peace in Medieval Europe
NO 0.15 EFTS OL, OC 18 points
The ideas of just/holy war, peace and peace-making in medieval Europe (c.1050-c.1450) in political, religious, military and intellectual contexts.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 331 Special Topic
NO 0.15 EFTS OL, OC 18 points
P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 332 Special Topic
NO 0.15 EFTS OL, OC 18 points
P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

Note: May not be credited with HIST 332 taken in 2013.

HIST 333 Special Topic
SS 0.15 EFTS OL, OC, DL 18 points
Examination of the extraordinary transformation in New Zealand family forms from 1830 to today. How these changes occurred and the role of the law in shaping these transformations.

P 18 200-level HIST, ARTH or ARTV points
R HIST 230
SC Arts and Music

HIST 335 Special Topic
NO 0.15 EFTS OL, OC 18 points
Popular opinion has it that Victorian Britain was a stuffy and conservative place, but tracing the extraordinary economic, social, political and cultural changes between the young Queen's ascent to the throne in 1837 and her death in 1901 reveals this era and this site of change as dynamic and exciting.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 337 Environmental History of the Pacific
NO 0.15 EFTS OL, OC 18 points
The history of human induced environmental change in the Pacific to the present, with emphasis on the historic past.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 341 Patriotism: From Joan of Arc to Kamikaze
S2 0.15 EFTS OL, OC 18 points
Why die for one’s country? An historical exploration of patriotism (love of country) from its late medieval European origins to early twentieth-century reception in East Asia.

P 18 200-level HIST points
SC Arts and Music

HIST 348 Origins of Modern Scotland
NO 0.15 EFTS OL, OC 18 points
An overview of the development of the modern Scottish nation since 1668.

P 18 200-level HIST points
R HIST 228
SC Arts and Music

HIST 353 Practising History
S1 0.15 EFTS OL, OC 18 points
An introduction to historical research, methodology, and local archives.

P 18 200-level HIST, ARTH or ARTV points
SC Arts and Music

HIST 354 Russia: Reform to Revolution
S2 0.15 EFTS OL, OC 18 points
Russia from the emancipation of the serfs in 1861 to the revolutions of 1917.

P 18 200-level HIST points
SC Arts and Music

HIST 403 Topics in Medieval History
NO 0.1667 EFTS OL, OC 20 points
PC 48 300-level HIST points

HIST 406 Gender and History
NO 0.1667 EFTS OL, OC 20 points
PC 48 300-level HIST points

HIST 408 Australia and New Zealand in the Pacific
NO 0.1667 EFTS OL, OC 20 points
The changing nature of social, political and economic relationships of these countries with the Pacific Islands.

PC 48 300-level HIST points

HIST 410 Topics in Intellectual History
NO 0.1667 EFTS OL, OC 20 points
PC 48 300-level HIST points

HIST 412 The Russian Revolutionary Movement
NO 0.1667 EFTS OL, OC 20 points
An examination of the origins, development, theory and practice of the Russian revolutionary movement from the Pugachev rebellion in 1773-4 to the end of socialism.

PC 48 300-level HIST points

HIST 430 Special Topic
NO 0.1667 EFTS OL, OC 20 points
PC 48 300-level HIST points

HIST 431 Special Topic
S2 0.1667 EFTS OL, OC 20 points
PC 48 300-level HIST points

HIST 452 Rethinking History
S1 0.1667 EFTS OL, OC 20 points
An examination of recent shifts in the methods, theory and practice of historical writing and debates over the nature of history as a discipline.

P 54 300-level HIST points

Note: May not be credited together with HIST 405 passed in 2012 or 2013.

HIST 481 Special Study
S1, FY 0.1667 EFTS OL, OC, DP 20 points
An analysis of a particular historiographical area of the student's choosing and its problems. To be presented in the form of a scholarly article.

PC 48 300-level HIST points
LT BA(Hons), PGDipArts
Human Nutrition

HUND 471 Clinical Nutrition
FY
0.25 EFTS
OL, OC
30 points
Advanced study of clinical nutrition as it relates to lifestyles and the treatment of nutrition-related disease; nutritional needs of groups and individuals in a range of settings, pathology of nutrition-related illness.
LT MDiet

HUND 472 Public Health Dietetics
S1, FY
0.1667 EFTS
OL, OC
20 points
The study of theory, application and evaluation of nutrition and the social environment, community demographics and needs, preventative nutrition and community health promotion, nutrition policy, food legislation and quality.
LT MDiet

HUND 473 Food Service Management
FY
0.1667 EFTS
OL, OC
20 points
Advanced study of the theory and concepts of managing foodservice systems. Application to a range of health industry food services, with a focus on meeting consumer and client needs.
LT MDiet

HUND 477 Professional Placement
ES, N1, N2
0.5 EFTS
OL, OC
60 points
A professional placement, based on placements in a number of District Health Board (DHB) and other settings in both the North and South Islands.
LT MDiet

HUNT 141 Understanding Human Nutrition
ES
0.15 EFTS
OL, OC
18 points
Basic understanding of key nutritional concepts and the importance of evidence-based nutrition for individual and population health.
R HUNT 233
SC Science

HUNT 221 Fundamentals of Nutrients and Health
NO
0.15 EFTS
OL, OC
18 points
Essentials of the physiology and biochemistry of the macro- and micronutrients, with a specific emphasis on requirements for human health.
P BIOC 192, CELS 191, CHEM 191, HUBS 191, 192
R BIOC 230, and BIOC 223 (prior to 2019)
RC At least 18 200-level BIOC points and 18 200-level PHSL points
SC Science

Note: (i) ANAT 111 and PHSL 101 may be substituted for the CELS and HUBS prerequisites. (ii) HUNT 221 is restricted against BIOC 223 passed prior to 2019.

HUNT 222 Nutritional Assessment
NO
0.15 EFTS
OL, OC
18 points
Principles and methods used in nutritional assessment; overview of dietary, biochemical and anthropometric assessment; foods, food patterns.
P BIOC 192 and CELS 191 and CHEM 191 and HUBS 191 and 192
R BIOC 230 and BIOC 223 (prior to 2019)
RC At least 18 200-level BIOC points and 18 200-level PHSL points
SC Science

Note: ANAT 101 and 191 and PHSL 101 may be substituted for the CELS and HUBS prerequisites.

HUNT 232 Sport and Exercise Nutrition
NO
0.15 EFTS
OL, OC
18 points
Nutritional aspects of exercise and performance.
P Two of (BIOC 111, 115, CELS 191, FOSC 111, HUBS 191, 192, PHSE 191, 192) or (ANAT 111 and PHSL 101)
SC Science

HUNT 241 Fundamentals of Nutrients and Health
S1
0.15 EFTS
OC
18 points
Study of the biological basis of nutrition and the mechanisms by which diet can influence health. Includes a solid understanding of macro- and micronutrients with a specific emphasis on requirements for human health.
P (BIOC 192 or BIOC 111) and (CHEM 191 or 112) and (HUBS 191 and 192) or (BIOC 115 or PHSE 191 and 192)
PC HUNT 141
R BIOC 230, HUNT 221
SC Science

HUNT 242 Nutritional Assessment
S2
0.15 EFTS
OC
18 points
Examines the principles and methods used in nutritional assessment in research, public health and clinical settings. Dietary, anthropometric, biochemical and clinical techniques will form the foundation of the paper.
P HUNT 141 and 36 points
R HUNT 202, 222
SC Science

HUNT 243 Lifecycle Nutrition
S2
0.15 EFTS
OC
18 points
Examines the nutritional foundations necessary for growth, development and normal functioning in each stage of the lifecycle. Includes the socioeconomic, cultural and physiological factors affecting food intake.
P HUNT 141 and 36 points
R HUNT 313
SC Science

HUNT 244 Foodservice Environments
S1
0.15 EFTS
OL, OC
18 points
Introduction to contemporary foodservice environments, the foodservice industry and quantity food preparation. Focuses on food skills, food safety, service operations, and social, economic and cultural influences on foodservice environments.
P 54 points
R HUNT 231
RP FOSC 111
SC Science

HUNT 245 Sport and Exercise Nutrition
S1
0.15 EFTS
OC
18 points
Introduction to sports nutrition, describing the role of nutrients, foods and supplements on body composition, travel and health. Explores the role of research in guiding the intakes of athletes and active individuals.
P 72 points
R HUNT 232
SC Science

HUNT 312 Nutrition and Chronic Diseases
NO
0.15 EFTS
OL, OC
18 points
Epidemiology, pathophysiology and role of nutrition and food in the prevention and management of several major chronic diseases, including cardiovascular diseases, cancer and diabetes mellitus.
P HUNT 221-223
RP STAT 115 and 18 200-level BIOC or PHSL points
SC Science

HUNT 331 Foodservice Management
NO
0.3 EFTS
OL, OC
36 points
Principles and practices involved in the management of foodservice operations.
P HUNT 231 or 244
SC Science

HUNT 341 Nutrition and Behaviour Change Communication
S1
0.15 EFTS
OC
18 points
Principles and key concepts of behaviour theories and models of behaviour change and their application to individual eating behaviour (practices and skills).
R SC Science

Key:
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-N: non-standard periods; NO: not offered in 2020; NO(XX): not offered in 2020 (XX); OL: offered; OP: Optional; DP: Departmental preparation required; P: Prerequisite; CP: Corequisite; PC: Prerequisite or corequisite; RC: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information.
HUNT 342 Nutrition and Chronic Diseases
S1 0.15 EFTS OL, OC 18 points Epidemiology, pathophysiology and role of nutrition and food in the prevention and management of several major chronic diseases including cardiovascular diseases, obesity, cancer and diabetes mellitus.

P HUNT 221-223 or 241, 243
R HUNT 312
SC Science

HUNT 343 Community and Public Health Nutrition
S2 0.15 EFTS OL, OC 18 points Theory and methods in health promotion and public health nutrition to assess, plan, implement, communicate and evaluate community-based nutrition programmes and policies.

P (HUNT 221-223) or (HUNT 241 and 243)
SC Science

HUNT 344 Foodservice Management
S2 0.3 EFTS OC 36 points Principles and practices involved in the management of quantity foodservice operations.

P HUNT 231 or 244
R HUNT 233
SC Science

HUNT 345 Applied Sports Nutrition
S2 0.15 EFTS OL, OC 18 points Explores the relationship between nutrition and sporting performance and health. Includes examination of topical sports nutrition issues and application of sports nutrition principles for the dietary management of athletes and active individuals.

P (One of HUNT 221-223 or HUNT 241-243) or HUNT 245, or (of PHSE 202 or 203) or SPEX 201-205
R HUNT 355
SC Science

HUNT 346 International Nutrition and Health
S2 0.15 EFTS OL, OC 18 points Major nutritional challenges in under-resourced and developing societies, including malnutrition, vitamin and mineral deficiencies, and the impact of urbanisation on the nutritional health of communities and countries in transition.

P HUNT 241-243
R HUNT 223
SC Science

HUNT 441 Research Methods
S2 0.1667 EFTS OL, OC, DL 20 points Examination methods and principles used in research. Develops skills to interpret, critically evaluate, and apply research in the nutritional sciences.

HUNT 445 Applications in Sport and Exercise Nutrition
S1 0.1667 EFTS OL, OC, DL 20 points Application of knowledge of sport and exercise nutrition to a real-world situation, providing practical skills for professionals.

SC Science

HUNT 452 Nutrition and Human Health
S1 0.1667 EFTS OL, OC, DL 20 points A lecture- and seminar-based paper that aims to develop an understanding of the role of nutrition in selected health problems, and to develop research-related writing, seminar presentation, analytical and critical appraisal skills.

HUNT 453 Topics in Behavioural and Applied Nutrition
S1 0.1667 EFTS OL, OC, DL 20 points Builds skills and understanding within the field of behavioural and applied nutrition. Topics include: application of behaviour change theory to eating behaviours, development and application of food models, the policy and process for food regulation.

HUNT 454 Nutritional Biostatistics
S1 0.1667 EFTS OL, OC 20 points Fundamental biostatistical issues encountered in the design and analysis of quantitative/qualitative research projects. Topics include data description, basic probability concepts, statistical inference, hypothesis testing, regression models and study design.

HUNT 455 Advanced Topics in Human Nutrition
S1 0.1667 EFTS OL, OC, DP 20 points

P HUNT 453
LT BAppSc(Hons), BSc(Hons), PGDipAppSc, PGDipSci, MSc, MAppSc
Note: Students who have not passed HUNT 453 may be admitted with approval from the Postgraduate Co-ordinator or the Head of Department.

HUNT 460 Research Project in Sport and Exercise Nutrition
FY 0.1667 EFTS OL, OC 20 points A critical and in-depth analysis of current and topical issues in the nutritional aspects of exercise, performance and sport, and including practical application in a sporting or other exercise setting.

HUNT 485 Research Project
FY 0.1667 EFTS OL, OC 20 points

LT PGDipAppSc, PGDipSci

HUNT 490 Dissertation
FY, N1 0.5 EFTS OL, OC 60 points A supervised project involving original research and leading to the production of a dissertation.

LT BAppSc(Hons), BSc(Hons), PGDipAppSc, PGDipSci

HUNT 495 Master's Thesis Preparation
ES, FY, N1 0.3333 EFTS OL, OC 40 points Preparation of a thesis proposal/primerthesis research. Normally taken by students in the papers year for a Master's degree by papers and thesis.

LT MSc

Note for NUTN 401, 402, 404: A core paper for PGCCertHlthSc, PGDipHlthSc, MHAas endorsed in Human Nutrition; may also be taken by other approved students.

HUNT 490 Principles of Human Nutrition
S1 0.25 EFTS OL, DL 30 points An overview of macro- and micronutrients, including analysis of topical research specific to each nutrient. Assessment of nutritional status, with particular emphasis on dietary assessment and interpretation.

R CMNX 401, NUTX 401

HUNT 490 Nutrition and Health Promotion
NO 0.25 EFTS OL, DL 30 points Current evidence-informed approaches to nutrition, education, promotion and communication.

R CMNX 402, NUTX 402

HUNT 490 Nutrition and Chronic Disease
S2 0.25 EFTS OL, DL 30 points A critical and in-depth analysis of current and topical issues in the role of nutrition in chronic disease, specifically heart disease, diabetes, obesity and cancer.

R CMNX 406, NUTX 404

HUNT 490 Advanced Sports Nutrition
S2 0.25 EFTS OL, DL 30 points A critical and in-depth analysis of current and topical issues in the nutritional aspects of exercise, performance and sport.

R CMNX 407, HUNT 355, NUTX 407, SPEM 703, SPEM 703

Human Resource Management
See minor subject requirements (page 101)

Human Services Law
See minor subject requirements (page 101)

Immunology
IMMU 495 Master's Thesis Preparation
FY 0.3333 EFTS OL, OC, DP 40 points Preparation of a thesis proposal/primerthesis research. Normally taken by students in the papers year for a Master's degree by papers and thesis.

LT MSc

Note: This paper will be offered during a non-standard period from 6 July 2020 to 18th June 2023.

Infection and Immunity
See Biomedical Sciences programme requirements (page 94).

Indigenous Development/He Kura Matanui
INDV 301 Māori and Indigenous Development: Governance and Ethics
S1 0.15 EFTS OL, OC 18 points Māori / Indigenous development focused on an indigenous knowledge framework that emphasises indigenous development planning, strategies and practices. A three-day Iwi / Community development practicum is a compulsory part of the paper.

P One 200-level MAOR or PACI paper
SC Arts and Music
Note: May not be credited together with MAOR 310 passed in 2013 or 2014.

INDV 302 Whakapapa and Maara
S2 0.15 EFTS OL, OC 18 points Exploration of whakapapa (genealogically ordered knowledge), its physical manifestation, the marae (ritual centre of tribal communities across the Pacific), relevance to a post-Treaty settlement, modern Aotearoa/New Zealand.

P MAOR 202
R MAOR 302
SC Arts and Music

INDV 307 Ancient East Polynesian Histories
S2 0.15 EFTS OL, OC 18 points Topics in ancient pre-contact Indigenous histories of selected East Polynesian societies, such as Aotearoa/New Zealand, Cook Islands and Hawai‘i.

P 18 200-level HIST, MAOR or PACI paper
SC Arts and Music

INDV 402 Taonga and Identity
NO 0.1667 EFTS OL, OC 20 points Exploration of the constraints and opportunities associated with maintaining an indigenous identity from a cultural heritage/taonga (Māori ancestral treasures/resources) perspective within Aotearoa/New Zealand today.

P INDV 302
R MAOR 402

INDV 590 Research Dissertation
N1, N2 0.5 EFTS OL, OC, DL 60 points A supervised research dissertation of up to 20,000 words on an approved topic.

LT MA

Indigenous Studies
INGX 501 Indigenous Theory and Method
S1 0.1667 EFTS OL, DL 20 points Introduces key theory and method questions for Indigenous Studies, focusing on the central challenge of defining ‘Indigenous’.

R INGX 501
LT MindS

INGX 510 Special Topic
NO 0.2 EFTS OL, DL 20 points A special topic in Indigenous Studies. All students are required to have access to the Internet.

R INGX 510
LT MindS

INGX 590 Research Report
N1 0.42 EFTS OL, OC, DL 60 points A supervised research project of no more than 18,000 words (excluding notes, appendices, bibliography) on an approved topic.

R INGX 590
LT MindS

Note: May not be credited together with the Master of Indigenous Studies thesis (INGX 5).

Prescriptions

153
Information Science

**INFO 201 Developing Information Systems 1**
S1 0.15 EFTS OL, OC 18 points
Introduction to creating information systems, with particular focus on the software development life cycle, eliciting, specifying, and modelling requirements, and modelling and implementing business processes and software designs.

P: COMP 101 or BSN 106
PC: COMP 160
R: INFO 211
SC Arts and Music, Commerce, Science

**INFO 202 Developing Information Systems 2**
S2 0.15 EFTS OL, OC 18 points
Introduction to creating information systems, with particular focus on: using frameworks to build web applications; relational databases; principles of software testing; deployment and underpinning infrastructure; and tool support.

P: INFO 201 or COSC 241
R INFO 221
SC Arts and Music, Commerce, Science

**INFO 203 Human-Computer Interaction and User Experience**
S1 0.15 EFTS OL, OC 18 points
Introduction to human-computer interaction (HCI), usability, user experience, visual computing, and user-centred and goal-directed design for interactive systems.

P: One of COMP 101, BSN 106, 112, MFCO 103, PSYC 111, 112
R INFO 213, 340
RP BSNS 112 or one STAT paper
SC Arts and Music, Commerce, Science

Note: May not be credited together with INFO 351 taken in the first semester 2017.

**INFO 204 Introduction to Data Science**
S2 0.15 EFTS OL, OC 18 points
Introductory theory and methods for performing data-driven decision making. Measuring data quality, integration of data, computer and software technologies, ethical, environmental and social considerations.

P: COMP 101 or BSN 106
R INFO 213
RP BSNS 112 or one STAT paper
SC Arts and Music, Commerce, Science

**INFO 250 Special Topic**
NO 0.15 EFTS OC, DP 18 points
SC Arts and Music, Commerce, Science

**INFO 301 Applied Project**
S2 0.15 EFTS OL, OC 18 points
Real-world, team-based development of an information system for an external client.

P: NO 310
R INFO 312
SC Arts and Music, Commerce, Science

**INFO 302 Information Systems Strategy and Governance**
S1 0.15 EFTS OL, OC 18 points
The way organisations strategically use information systems (IS) and information technology (IT) to drive and sustain business processes, including how structures and policies are used in creating value opportunities and enabling corporate governance.

P: One of COMP 101 or BSN 106 and 90 points at 200 level or above.
R INFO 322
SC Arts and Music, Commerce, Science

**INFO 303 Enterprise Information Systems Infrastructure**
S1 0.15 EFTS OL, OC 18 points
The information and communications technology (ICT) infrastructure that organisations use to support their business functions, including middleware for service and design integration and data warehousing and analytics.

P INFO 202 or COSC 241
R INFO 323
SC Arts and Music, Commerce, Science

**INFO 304 Advanced Data Science**
S2 0.15 EFTS OL, OC 18 points
Computational methods for visualising, transforming, modelling and assessing data to allow informed decision making, prediction and knowledge construction.

P INFO 204
R INFO 324
SC Arts and Music, Commerce, Science

**INFO 305 Pervasive Computing and Interactive Technologies**
S1 0.15 EFTS OL, OC 18 points
Introduction to pervasive computing and mobile computing, covering concepts and visions for pervasive computing, sensors, mobile and wearable devices, interfaces for pervasive computing, and Android for developing mobile/wearable systems.

P INFO 202, 203
R TELE 303
SC Arts and Music, Commerce, Science

**INFO 310 Software Project Management**
S1 0.15 EFTS OL, OC 18 points
Contemporary techniques and methodologies for modern software and systems development.

P INFO 202
PC INFO 201
R SENG 301
SC Arts and Music, Commerce, Science

**INFO 350 Topics in Information Science**
ES 0.15 EFTS OC, DP 18 points
A topic in information science that involves an individual course of study.

P 36 200-level INFO topics SC Arts and Music, Commerce, Science

Note: Admission subject to approval from the Head of Department.

**INFO 351 Special Topic**
NO 0.15 EFTS OL, OC, DP 18 points
SC Arts and Music, Commerce, Science

**INFO 352 Special Topic**
NO 0.15 EFTS OC 18 points
An introduction to a number of cutting edge research topics and the concept, ideas and methodologies of research in Information Science.

P 72 200-level INFO topics (passed with an average grade of B+)
SC Arts and Music, Commerce, Science

**INFO 353 Special Topic**
NO 0.15 EFTS OC 18 points
SC Arts and Music, Commerce, Science

**INFO 390 Research Topics**
NO 0.15 EFTS OL, OC 18 points
An introduction to a number of cutting edge research topics and the concept, ideas and methodologies of research in Information Science.

P 72 200-level INFO topics (passed with an average grade of B+)
SC Arts and Music, Commerce, Science

**INFO 407 Agent-based Software Technologies**
S2 0.1667 EFTS OL, OC 20 points
Types of agents including reactive agents, communicating agents and rational agents. Topics include agent communication languages, agent architectures, agent platform architectures and services, ontologies and ontology services, interaction protocols, scalability issues, agent-based design and development, agent-based software interoperability, and applications of agent technology.

P INFO 303 or 323
R SENG 407
LT BA(Hons), BAppSc(Hons), BCom(Hons), BSc(Hons), MA, MAppSc, MBus, MCom, MSC, MGDAppSc, PGDApps, PGDipCom, PGDipSci, PGCertAppSc

**INFO 408 Management of Large-Scale Data**
S1 0.1667 EFTS OL, OC 20 points
A study of advanced topics relating to the management of extremely large scale datasets ("Big data").

LT MA, MBus, MCom, MSC, MAppSc, MBusDataSc, BA(Hons), BAppSc(Hons), BCom(Hons), BSc(Hons), MBusAppSc, PGDipApps, PGDipCom, PGDipSci, PGCertAppSc

**INFO 410 Multimedia User Experience – Theory and Practice**
S1 0.1667 EFTS OL, OC 20 points
Theories, interaction, and technologies for developing multimedia systems, e.g. the development of multimedia databases, interactive media, animation, augmented reality, digital video and audio in a number of application domains such as education, entertainment, and cultural heritage.

P: 54 300-level INFO papers
LT BA(Hons), BAppSc(Hons), BCom(Hons), BSc(Hons), MA, MAppSc, MBus, MCom, MSC, MGDAppSc, PGDipApps, PGDipCom, PGDipSci, PGCertAppSc

Note: Admission normally requires at least a B average in the 300-level papers taken previously.

**INFO 411 Machine Learning and Data Mining**
S2 0.1667 EFTS OL, OC, DP 20 points
Principles and algorithms of machine learning techniques and their use in data mining, application case studies on business intelligence, software engineering, computer networking, and pattern recognition etc.; new research trends.

R INFN 411
LT MA, MAppSc, MBus, MCom, MSC, MBusDataSc, BA(Hons), BAppSc(Hons), BCom(Hons), BSc(Hons), MAppSc, MBusAppSc, PGDipApps, PGDipCom, PGDipSci, PGCertAppSc

**INFO 420 Statistical Techniques for Data Science**
S2 0.1667 EFTS OL, OC 20 points
Explores a range of statistical techniques for data analysis, from statistical modelling of univariate data to the visualisation of patterns in multivariate data.

P STAT 110
R STAT 210
LT MBusDataSc, BCom(Hons), BSc(Hons), BA(Hons), PGDipCom, PGDipSci, PGDipApps, BAppSc(Hons), MAppSc, MBus, PGCertAppSc, PGDipAppSc

**INFO 424 Adaptive Business Intelligence**
S1 0.1667 EFTS OL, OC 20 points
The techniques of data science used to produce predictive and adaptive decision support techniques with particular emphasis on prediction, optimisation and search methods.

P: BSN 102 or STAT 110
R INFO 304, 324
LT MA, MBus, MCom, MSC, MAppSc, MBusDataSc, BA(Hons), BAppSc(Hons), BCom(Hons), BSc(Hons), PGDipCom, PGDipSci, PGDipApps, BAppSc(Hons), MAppSc, MBus, PGCertAppSc, PGDipAppSc

**INFO 451 Special Topic**
NO 0.1667 EFTS OC 20 points
To be advised when paper is next taught.

**INFO 452 Special Topic**
NO 0.1667 EFTS OC 20 points
To be advised when paper is next taught.

**INFO 470 Special Topic**
ES 0.1667 EFTS OC, DP 20 points
A special topic in information science that may be either a lecture programme, or an individual supervised course of study.

P: 54 300-level INFO papers
LT BA(Hons), BAppSc(Hons), BCom(Hons), BSc(Hons), MA, MAppSc, MBus, MCom, MSC, MGDAppSc, PGDipApps, PGDipCom, PGDipSci, PGCertAppSc

Note: Admission subject to approval from the Head of Department.

**INFO 490 Dissertation**
FY 0.3333 EFTS OL, OC 40 points
A supervised research project on an approved topic leading to the production of a dissertation.

LT BA(Hons), BCom(Hons), BSc(Hons), PGDipArts, PGDipCom, PGDipSci, MSc, MCom, MA

Notes: (i) Admission normally requires at least a B average in the 300-level papers taken previously. (ii) Doing INFO 490 in a single semester is exceptional and requires approval from the Head of Department.

**INFO 501 Applied Project**
N1 0.3333 EFTS OL, OC 40 points
An investigation of a business problem (real or simulated), backed by appropriate applied and academic literature.

LT MBusDataSc
INFO 580 Research Project
N1 0.3333 EFTS OL, OC 40 points
Investigation of a problem at a critical and analytical level, backed by appropriate applied and academic literature.
LT MBusDataSc

International Business
IBUS 480 Dissertation
FY 0.3333 EFTS OC 40 points
A dissertation or case study on issues relating to one or more areas of International Business.
LT BCom(Hons), PGDipCom

IBUS 501 Applied Project
N1, N2 0.3333 EFTS OL, OC 40 points
An investigation of a business problem (real or simulated), backed by appropriate applied and academic literature.
LT MInstBus

IBUS 580 Research Project
N1, N2 0.3333 EFTS OL, OC 40 points
Investigation of a problem at a critical and analytical level, backed by appropriate applied and academic literature.
LT MInstBus

International Studies
INTS 502 International Politics
S1 0.25 EFTS OL, OC 30 points
Contending international theories, actors in the international system, security dimensions and key issues in global politics.
LT MInstSt

INTS 503 The Global Economy
S2 0.25 EFTS OL, OC 30 points
The microeconomics of international trade and the macroeconomics of the world economy. The focus is on recent trends in, and likely prospects for, the global economy.
LT MInstSt

INTS 504 International Legal Issues
S1 0.25 EFTS OL, OC 30 points
Gives a foundation in the basic principles of international law and examines the role of legal principles in world affairs on topics such as the use of force, law of the sea, self-determination, and human rights.
LT MInstSt

INTS 505 Global Peace and Conflict
S2 0.25 EFTS OL, OC 30 points
Theoretical explanations for forms of organised violence and peace in the international system, and a critical introduction to post-conflict peace building and alternatives to the use of force and violence.
LT MInstSt

INTS 590 Research Dissertation
N1, N2 0.5 EFTS OL, OC 60 points
A research project of not more than 20,000 words.
LT MInstSt

Irish Studies
See minor subject requirements (page 101).

Japanese
JAPA 131 Introductory Japanese 1
S1, S2 0.15 EFTS OL, OC 18 points
An introductory course in reading, writing, speaking and listening to Japanese for students with no previous knowledge of the language. The paper takes an integrated approach to the skills of language acquisition and includes basic material on the cultural heritage of the Japanese people.
R JAPA 103 or 132 or any other more advanced Japanese language paper
SC Arts and Music
Note: All assessments for this paper are internal. This paper is for beginners only and is not available to students who have passed NCEA Level 2 or 3 (or equivalent) in Japanese. For further information, contact the Department of Languages and Cultures on languages@otago.ac.nz.

JAPA 132 Introductory Japanese 2
S2 0.15 EFTS OL, OC 18 points
A continuation of JAPA 131, further developing students’ Japanese language skills in reading, writing, speaking and listening at an elementary level. The paper takes an integrated approach to the skills of language acquisition and includes basic material on the cultural heritage of the Japanese people.
R JAPA 103 or 131
SC Arts and Music
Notes: (i) Suitable for students who have completed 2-3 years of Japanese language study at secondary school. (ii) You may be able to take this paper without the prerequisite if you can demonstrate the required ability. Use the special permission process to apply to do this; please proceed through paper selection to reach the window for Special Permission on the Review and Submit page. Please list any qualifications you have gained e.g. NCEA, and years studied, as well as a note of any other exposure to this language. This request together with any documentation you provide or request for the transfer of credit(s) will then be submitted for approval.

JAPA 231 Intermediate Japanese
S1 0.15 EFTS OL, OC 18 points
A continuation of JAPA 132, developing intermediate-level skills in speaking, listening, reading and writing, and in the grammatical analysis of Japanese.
R JAPA 112 or 132
SC Arts and Music
Note: Suitable for students who have completed 4-5 years of Japanese language study at secondary school.

JAPA 233 Business and Professional Japanese
S2 0.15 EFTS OL, OC 18 points
A continuation of JAPA 231. Develops communication skills in professional and business-related Japanese language, with equal emphasis on speaking, listening, reading, writing, and training in the cultural protocols involved in conducting business and professional activities in Japan.
R JAPA 231
SC Arts and Music
Notes: (i) A short interview or placement test will be held during Course Approval in order to place students in the paper appropriate to their knowledge of the language. (ii) If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.

JAPA 242 Understanding Japanese Culture
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to traditional Japanese culture and society.
R 36 points
SC Arts and Music
Note: This paper is offered in English; texts in Japanese are optional.

JAPA 243 Issues in Japanese Culture Today
S2 0.15 EFTS OL, OC 18 points
An in-depth analysis of some of the major issues of Japanese culture and society today, such as nationalism, regionalism, modernisation, and religion.
R 36 points
SC Arts and Music
Note: This paper is offered in English; texts in Japanese are optional.

JAPA 244 Modern Japanese Fiction
S1 0.15 EFTS OL, OC 18 points
The study of major works of modern Japanese fiction in their historical, social and cultural contexts, and also in an East/West comparative perspective.
R 36 points
SC Arts and Music
Note: All lectures and readings are offered in English; texts in Japanese are optional.

JAPA 245 Modern Japanese Fiction
S1 0.15 EFTS OL, OC 18 points
The study of major works of modern Japanese fiction in their historical, social and cultural contexts, and also in an East/West comparative perspective.
R 36 points
SC Arts and Music
Note: All lectures and readings are offered in English; texts in Japanese are optional.

JAPA 246 Modern Japanese Fiction
S1 0.15 EFTS OL, OC 18 points
The study of major works of modern Japanese fiction in their historical, social and cultural contexts, and also in an East/West comparative perspective.
R 36 points
SC Arts and Music
Note: All lectures and readings are offered in English; texts in Japanese are optional.

JAPA 331 Advanced Japanese 1
S2 0.15 EFTS OL, OC 18 points
The development of advanced-level Japanese language skills in speaking, listening, reading, and writing, applying grammatical analysis to authentic Japanese materials. This course complements JAPA332.

JAPA 332 Advanced Japanese 2
S2 0.15 EFTS OL, OC 18 points
The development of advanced-level Japanese language skills in speaking, listening, reading, and writing, applying grammatical analysis to authentic Japanese material. This course complements JAPA331.

JAPA 334 Advanced Japanese 3
S1 0.15 EFTS OL, OC 18 points
An advanced Japanese language paper which extends students’ Japanese language skills through the discussion of particular areas of the Japanese culture.
SC Arts and Music

JAPA 342 Understanding Japanese Culture
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to traditional and contemporary Japanese culture and society.
R 18 200-level JAPA points
SC Arts and Music
Note: This paper is offered in English; texts in Japanese are optional.

JAPA 344 Modern Japanese Fiction
S1 0.15 EFTS OL, OC 18 points
The study of major works of modern Japanese fiction in their historical, social and cultural contexts, and also in an East/West comparative perspective.
R 18 200-level JAPA points
SC Arts and Music
Note: This paper is offered in English; texts in Japanese are optional.

JAPA 401 Advanced Topics in Japanese
ES 0.1667 EFTS OL, OC 20 points
Topics in Japanese language and culture, taught and examined in Japanese.
R JAPA 334
SC Arts and Music

JAPA 451 Studies in Japanese
ES 0.1667 EFTS OL, OC, DP 20 points
Studies in Japanese language and culture at a Japanese university that is an exchange partner of the University of Otago.
LT BA(Hons), PGDipArts

JAPA 452 Studies in Japanese 2
ES 0.1667 EFTS OL, OC, DP 20 points
Studies in Japanese language and culture at a Japanese university that is an exchange partner of the University of Otago.
LT BA(Hons), PGDipArts
Land Planning and Development
See Science programme requirements (page 70).

Language and Linguistics (single major subject)
See Arts programme requirements (page 56).

Latin
LATN 111 Introductory Latin 1
S1 0.15 EFTS OL, OC 18 points
A reading-based beginners’ paper covering the basic elements of Latin grammar and vocabulary and designed to develop reading skills in Latin.
SC Arts and Music
Note: The prerequisite does not apply to students who have achieved a minimum of 16 credits in NCEA Level 2 Latin (or equivalent).

LATN 211 Intermediate Latin 1
S1 0.15 EFTS OL, OC 18 points
A consolidation of linguistic skills in Latin and a study of selected Latin prose texts from the Classical period.
P LATN 111 SC Arts and Music
Note: The prerequisite does not apply to students who have achieved a minimum of 16 credits in NCEA Level 3 Latin (or equivalent).

LATN 212 Intermediate Latin Authors
S2 0.15 EFTS OL, OC 18 points
A study of selections from two Latin authors of the Classical period.
P LATN 211 SC Arts and Music

LATN 328 Advanced Latin Authors 1
NO 0.15 EFTS OL, OC 18 points
A study of works of two Latin authors of the Classical period.
P LATN 212 SC Arts and Music

LATN 329 Advanced Latin Authors 2
S2 0.15 EFTS OL, OC 18 points
A study of works of two Latin authors of the Classical period.
P LATN 212 SC Arts and Music

LATN 464 A Topic in Latin Literature
S2 0.1667 EFTS OL, OC 20 points
P 18 300-level LATN points

Law

Law

LAWS 101 The Legal System
FY 0.3 EFTS OL, OC 36 points
(a) Historical introduction to the New Zealand legal system and its antecedents. Introduction to statutory interpretation, (b) Case analysis, legal reasoning and the judicial process.
SC Arts and Music
Note: Two three-hour examinations.

LAWS 102 Introduction to Law and New Technologies
S2 0.15 EFTS OL, OC 18 points
Selected areas of law as it applies to evolving areas of new technologies.
R LAWS 428 SC Arts and Music
Note: LAWS 102 counts as a non-Law paper and may be taken either as 18 points of the 108 non-Law points in an LLB programme or as an elective paper in other undergraduate degree programmes.
LAWS 201 Criminal Law
FY 0.25 EFTS OL, OC 30 points
General principles of criminal liability. The law relating to inviductable and other selected offences. Procedure on indictment and summary procedure (excluding evidence).
P LAWS 101 LT LLB

LAWS 202 Law of Contract
FY 0.25 EFTS OL, OC 30 points
The general principles of the law of contract and agency.
P LAWS 101 LT LLB

LAWS 203 Property Law
FY 0.25 EFTS OL, OC 30 points
Introduction to the law relating to property, both legal and equitable.
P LAWS 101 LT LLB

LAWS 204 Public Law
FY 0.25 EFTS OL, OC 30 points
The constitution, the institutions of government, the exercise of public power, and relations between persons and the state. Controls on the exercise of public power including an introduction to judicial review.
P LAWS 101 LT LLB

LAWS 298 Legal Writing
FY 0 EFTS OC 0 points
A writing skills course to prepare students for writing research assignments.
LT LLB, LLB(Hons)

LAWS 301 Law of Torts
FY 0.2 EFTS OL, OC 30 points
The law as to the various kinds of torts.
P 96 LAWS points PC Any 200-level LAWS paper not already passed LT LLB, LLB(Hons)

LAWS 302 Jurisprudence
FY 0.2 EFTS OL, OC 30 points
Theoretical perspectives on the nature, values and functions of law.
P 96 LAWS points PC Any 200-level LAWS paper not already passed LT LLB, LLB(Hons)

Note for LAWS 311, 314: 404-417. Not all optional papers will be available in any given year.

LAWS 311 Family Law
NO 0.2 EFTS OL, OC 30 points
Law and procedures concerning the formation and breakdown of family relationships, and the relationship between family and state. Legal recognition of theories of human relationships.
P 96 LAWS points PC Any 200-level LAWS paper not already passed R LAWS 411, 511 LT GDPBWL, LLB, LLB(Hons)

LAWS 314 Law of Evidence
NO 0.2 EFTS OL, OC 30 points
The principles of the law of evidence in civil and criminal cases.
P 96 LAWS points PC Any 200-level LAWS paper not already passed R LAWS 414 LT LLB, LLB(Hons)

LAWS 380 Preliminary Honours Research Papers
FY 0 EFTS OC, DP 0 points
Submission of research papers written in conjunction with 300- and 400-level LAWS papers.
LT LLB, LLB(Hons)

LAWS 398 Legal Research Skills
FY 0 EFTS OC 0 points
A legal research skills course to prepare students for completing their legal research assignments.
LT LLB, LLB(Hons)

LAWS 404 Administrative Law
NO 0.2 EFTS OL, OC 15 points
Advanced study of controls on the exercise of public power, with particular focus on judicial review.
P 96 LAWS points PC Any 200-level LAWS paper not already passed LT LLB, LLB(Hons)

LAWS 405 Civil Liberties and the Private Sector
NO 0.2 EFTS OL, OC 15 points
The sources and nature of civil rights; a survey of rights an individual may assert against government and against others.
P 96 LAWS points PC Any 200-level LAWS paper not already passed LT LLB, LLB(Hons)

LAWS 406 Civil Procedure
S2 0.1 EFTS OL, OC 15 points
The jurisdiction and procedure of the District Court, High Court and Court of Appeal in civil cases. The principles of pleading and the drafting of documents. Procedural reform and development.
P 96 LAWS points PC LAWS 301 and any 200-level LAWS paper not already passed R LAWS 306 LT LLB, LLB(Hons)

LAWS 407 Company Law
S1 0.1 EFTS OL, OC 15 points
The general principles of the law relating to companies, legal regulation of the flotation of public companies and of the offering of financial securities to the public.
P 96 LAWS points PC Any 200-level LAWS paper not already passed R LAWS 307 LT LLB, LLB(Hons)

LAWS 408 Comparative Law
NO 0.1 EFTS OL, OC 15 points
The aim and method of comparative legal studies; an outline of the principal legal systems; the study of selected topics.
P 96 LAWS points PC Any 200-level LAWS paper not already passed R LAWS 308 LT LLB, LLB(Hons)
LAWS 409 Private International Law
S1 0.1 EFTS OL, OC 15 points
P 96 LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 309
LT LLB, LLB(Hons)

LAWS 410 Criminology
NO 0.1 EFTS OL, OC 15 points
The theory of criminology; the concepts of crime and the criminal; the nature and extent of crime; the causes of crime; race, gender and class issues in crime.
P LAWS 201 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 310
LT LLB, LLB(Hons)

LAWS 411 Family Law
S2 0.1 EFTS OL, OC 15 points
Law and procedures concerning the formation and breakdown of families, relationships, and the relationship between family and state. Legal recognition of theories of human relationships.
P 96 LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 311, 511
LT LLB, LLB(Hons), MBHL

LAWS 412 International Law
S2 0.1 EFTS OL, OC 15 points
The principles of the law of nations in peace, war and neutrality. An introduction to the law of international organisation.
P 96 LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 313
LT LLB, LLB(Hons)

LAWS 413 Labour Law
S1 0.1 EFTS OL, OC 15 points
The legal relations of employer and employee. Dispute settlement systems. Industrial safety and welfare law. Trade union and labour relations law.
P 96 LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 414 Law of Evidence
S1 0.1 EFTS OL, OC 15 points
The principles of the law of evidence in civil and criminal cases.
P 96 LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 314
LT LLB, LLB(Hons)

LAWS 415 Resource Management Law
S2 0.1 EFTS OL, OC 15 points
An introduction to the principles of Resource Management Law.
P LAWS 201, 202, 203, 204
R LAWS 315, 515
LT LLB, LLB(Hons)

LAWS 416 Taxation
S1 0.1 EFTS OL, OC 15 points
Aspects of the law, practice, and policy of major taxation.
P 96 LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 316
LT LLB, LLB(Hons)

LAWS 417 Criminal Justice
S1 0.1 EFTS OL, OC 15 points
Law enforcement, the powers, duties, functioning and control of the police, the prosecution, remand and trial processes; the operation of the penal system, excluding the law of sentencing; juvenile justice.
P LAWS 201 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 317
LT LLB, LLB(Hons), BAppSc

LAWS 418 Crime and Property
NO (2022) 0.1 EFTS OL, OC 15 points
The general principles of crimes against property rights with particular emphasis on Part 10 of the Crimes Act 1961.
P LAWS 201 and 203 and 36 further LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)
Note: (i) Not all optional papers will be available in any given year. (ii) May not be credited together with LAWS 474 passed in 2004-2007.

LAWS 419 Securities Market Regulation
S2 0.1 EFTS OL, OC 15 points
An introduction to the regulation of New Zealand capital markets. Topics cover the primary and secondary markets and include offers of securities to the public, disclosure to the market, market abuse, regulation of the stock exchange and of financial intermediaries.
P LAWS 201-204
LT LLB, LLB(Hons)

LAWS 420 Law and the Democratic Process
S1 0.1 EFTS OL, OC 15 points
Examines the ways in which New Zealand’s system of law-making has shaped, and is shaped by, its democratic processes.
P LAWS 201-204
LT LLB, LLB(Hons)

LAWS 421 International Environmental Law
S2 0.1 EFTS OL, OC 15 points
An introduction to the principles and sources of international environmental law, and an investigation of current issues including the impact of and on state sovereignty, and tensions between trade and environment.
P LAWS 201-204
R LAWS 521
LT LLB, LLB(Hons)

LAWS 422 Bill of Rights – Theory and Practice
NO (2022) 0.1 EFTS OL, OC 15 points
The theoretical underpinnings of the New Zealand Bill of Rights Act, its equivalents in other countries, and how it has affected the framework of law making and judicial decision-making.
P LAWS 201 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 423 Information and Data Protection Law
NO 0.1 EFTS OL, OC 15 points
Data protection law and policy on the domestic and international levels, focusing largely on the Privacy Act 1993, which is New Zealand's data protection legislation.
P LAWS 201 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 424 International Criminal Court
NO (2021) 0.1 EFTS OL, OC 15 points
An introduction to the International Criminal Court (ICC) and its jurisdiction and procedures.
P LAWS 201 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 425 Energy Law
S2 0.1 EFTS OL, OC 15 points
Legal framework for minerals ownership; access and exploitation, governance of the electricity and gas industries; energy contracts, environmental issues for energy participants including the emissions trading scheme.
P LAWS 201
LT LLB, LLB(Hons)

LAWS 426 Insurance Law
S2 0.1 EFTS OL, OC 15 points
An introduction to insurance law, with particular emphasis on the duty of utmost good faith, the types of insurance, terms unique to insurance contracts, and subrogation and contribution.
P LAWS 202 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 427 Commercial Equity
NO (2023) 0.1 EFTS OL, OC 15 points
Builds upon the introduction to equitable concepts and doctrines encountered in LAWS202 and LAWS203.
P LAWS 202, 203
LT LLB, LLB(Hons)

LAWS 428 Law and Emerging Technologies
S2 0.1 EFTS OL, OC 15 points
Introduction to the unique problems of attempting to regulate emerging technologies ‘future-proofing’ the law, descriptive and normative disconnection; regulating uncertain risks, ethical diversity and prudential pluralism.
P LAWS 201 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
R LAWS 102, 528

LAWS 429 Forensic Law
NO (2021) 0.1 EFTS OL, OC 15 points
The theory of the case and fact-finding, crime scene management and dealing with expert evidence, including forensic pathology, psychological profiling, computer forensics, stains and blood spatter.
P 96 LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 430 Advanced Criminal Law
NO 0.1 EFTS OL, OC 15 points
Advanced studies in criminal law and procedure.
P LAWS 201 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 431 Advanced Contract and Tort
NO (2021) 0.1 EFTS OL, OC 15 points
Advanced studies of selected topics in the law of contract and tort. The relationship between tortious and contractual liability.
P LAWS 202, 301
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 432 Animals and the Law
NO 0.1 EFTS OL, OC 15 points
Theories regarding the legal status of animals and the regulation of animal welfare in New Zealand.
P LAWS 201-204
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 433 Advanced Family Property
NO (2021) 0.1 EFTS OL, OC 15 points
Advanced studies in the holding and devolution of family property under current law with special reference to asset protection and estate planning.
P LAWS 462
PC LAWS 311 and any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 434 Banking Law
NO (2021) 0.1 EFTS OL, OC 15 points
A study of the law and practice relating to banking and the financing of business transactions.
P LAWS 202 and 66 further LAWS points
PC LAWS 301 and any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)

LAWS 435 Commercial and Consumer Law
S1 0.1 EFTS OL, OC 15 points
The principles of the law relating to the sale of goods, consumer guarantees, deceptive practices and consumer credit.
P LAWS 202 and 66 further LAWS points
PC Any 200-level LAWS paper not already passed
LT LLB, LLB(Hons)
### Pre-requisites

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<td>LAWS 444</td>
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### Other Information
- **Note for LAWS 444-448, 450-452:** Not all optional papers will be available in any given year.
- **Notes:** (i) Not all optional papers will be available in any given year. (ii) Pending approval this paper may be offered in 2018 Summer School.
- **Notes:** (i) Not all optional papers will be available in any given year. (ii) May not be credited together with LAWS 473 passed in 2004, 2005 or 2007.
- **Notes:** (i) Not all optional papers will be available in any given year. (ii) May not be credited together with LAWS 477 passed in 1999-2001.

### Key
- **S1:** first semester;
- **S2:** second semester;
- **ES:** each semester;
- **FY:** full year;
- **SS:** Summer School;
- **N1:** non-standard periods;
- **OL:** not offered, expected to be offered in the year noted;
- **OC:** Paper supported by online learning management system;
- **D:** Distance Learning;
- **RP:** Recommended preparation.

### Contact Information
- [otago.ac.nz/courses/papers](http://otago.ac.nz/courses/papers) for up-to-date information on non-standard periods, paper availability and class times.
A discussion on Intellectual Property law and commercialisation, including the role of the law in business start-ups.

Consider a variety of theoretical approaches to internet regulation and evaluates several real life legal strategies, including 'cyber-bullying', file-sharing and privacy issues.

A supervised project involving original research and leading to the production of a dissertation.

Investigation of human language to discover how the mind understands how language functions in interactions.

Examination of both the diversity and the underlying similarities amongst languages of the world.

Techniques for describing and analysing the morphosyntactic structures of words and sentences. Examination of both the diversity and the underlying similarities amongst languages of the world.

Comparison of processes, research, and theories of child-first language and adult second-language development to determine their similarities and differences.

The linguistic analysis of interactional discourse, focusing on how identity is conveyed in social, academic, and workplace contexts. Develops practical tools for understanding how language functions in interactions.

Guided, collaborative examinations of pertinent issues in student-presented, focusing on student needs, motivation, teaching grammar, and teaching and learner actions in the classroom, classroom management, assessment, and technology use.

We work in language, but how does language work for us? Sociolinguistic analysis of how social power and identity (gender, age, status, culture) shape and are shaped by language use and policy, including endangered languages.

Examination of the nature of language through its structural building blocks, analysing sounds, words and sentences of English and other languages. No prior knowledge of any language other than English is required.

An examination of the nature of language through its structural building blocks, analysing sounds, words and sentences of English and other languages. No prior knowledge of any language other than English is required.

A theoretical and practical introduction to second language teaching methods, strategies, materials and contexts. Students also engage in the micro-teaching of beginners.

A supervised research dissertation.

A brief analysis of the general features of the international management environment, including social, political, economic and technological contexts, leading to an ability to understand a range of international settings and begin to manage successfully internationally. The Pacific Rim and New Zealand’s main trading partnerships will be emphasised.

A practical course in language documentation and description. Working with a speaker of an unfamiliar language, students use techniques of linguistic analysis to describe the grammar, especially phonology and syntax.

A theoretical and practical introduction to second language studies including language, attitudes toward languages, and language policies.

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A brief analysis of the general features of the international management environment, including social, political, economic and technological contexts, leading to an ability to understand a range of international settings and begin to manage successfully internationally. The Pacific Rim and New Zealand’s main trading partnerships will be emphasised.
MANT 222 Interpersonal/International Business Communication
S1 0.15 EFTS OL, OC 18 points
A need to be aware of self, aware of others and to understand international New Zealand business at home or overseas is explored. Theory and practice are contextualised internationally.
P MANT 101 or 90 points SC Commerce

MANT 250 Managing People
S1 0.15 EFTS OL, OC 18 points
This paper is about the theory and practice of the management of people and their behaviour in organisations, from entry, to motivation, relationships, contributions, expectations, and exit.
P MANT 101 SC Commerce

MANT 251 Managing Organisations
S2 0.15 EFTS OL, OC 18 points
The theory and practice of organisation, focusing particularly on internal systems and processes of organisations, as well as strategies and consequences of an organisation's engagement with its external context.
P MANT 101 or 90 points SC Commerce

MANT 301 Managing Innovation and Growth
S1 0.15 EFTS OL, OC 18 points
The New Zealand context, theory and practice of innovation and growth in new and established organisations.
P MANT 251 and 18 further 200-level points R MANV 301 SC Commerce

MANT 303 Entrepreneurship
S2 0.15 EFTS OL, OC 18 points
A survey of the major topics in entrepreneurship and the skills generally considered necessary for success in an entrepreneurial venture, with many sessions covered by entrepreneurs from all fields. The paper will be structured around a new venture case, and will develop understandings of the issues related to starting a new business.
P 36 200-level points from Commerce Schedule C R MANV 303 SC Commerce

MANT 330 Leadership and Change
S1 0.15 EFTS OL, OC 18 points
Improves leadership ability by reflexively applying contemporary theories of leadership that emphasise building sustainable relationships based on internal values to effect change.
P MANT 252 or 36 200-level points from Commerce Schedule C SC Commerce
Note: May not be credited together with MANT 361 passed in 2011 or 2012.

MANT 331 Business Ethics
S2 0.15 EFTS OL, OC 18 points
Ethical issues in business including ethical theory and reasoning, nature and evolution of the business system, internal and external constituencies, and an examination of ethical functioning in business.
P MANT 252 or 36 200-level points from Commerce Schedule C SC Commerce

MANT 332 International Management
S1 0.15 EFTS OL, OC 18 points
A theoretical framework for understanding the major organisations, processes and developments in the global environment and how these affect New Zealanders and our business organisations. Applications for managers of New Zealand-based firms are discussed.
P MANT 217 or MANT 222 or 36 200-level points from Commerce Schedule C SC Commerce

MANT 333 Operational Excellence
S2 0.15 EFTS OL, OC 18 points
Development, planning and implementation of operational and quality tools, techniques, and systems which are used to drive excellence in organisations and all business environments.
P MANT 251 and 18 further 200-level points SC Commerce

MANT 334 Operations and Supply Chain Strategy
S1 0.15 EFTS OL, OC 18 points
Explores planning, organisation and control of the resources and capabilities to improve organisational performance and to satisfy customer requirements. Topics include, resource planning, demand management, procurement strategies, supply chain integration and network design.
P MANT 251 and 18 further 200-level points SC Commerce

MANT 336 Organisation Theory: Work and Identity
NO 0.15 EFTS OL, OC 18 points
Critical and post-modern perspectives on organisations in their societal and institutional contexts. Insights into the wider forces affecting our knowledge and understanding of people at work.
P MANT 250, 251 SC Commerce

MANT 337 Organisations and Sustainability
S1 0.15 EFTS OL, OC 18 points
Examines how businesses are responding to sustainability and climate change in the current socio-economic context, and encourages students to create alternative scenarios of future business worlds.
P (MANT 251 and 18 further 200-level points) or 36 200-level points from Commerce Schedule C R MANT 437 SC Commerce

MANT 338 Strategic Management
S1 0.15 EFTS OL, OC 18 points
Case study paper in which participants analyse and discuss how organisations formulate strategies, innovate and manage change in their competition with other organisations.
P MANT 251 and 18 further 200-level points SC Commerce

MANT 339 Human Resource Development
S2 0.15 EFTS OL, OC 18 points
The policy and practice of Human Resource Development (HRD). Focuses on theories of organisational learning, HRD in organisations, the social and national context of HRD. Provides opportunities to practice HRD skills.
P MANT 250 and 18 further 200-level points SC Commerce

MANT 340 Indigenous Models of Management and Organisation
S1 0.15 EFTS OL, OC 18 points
Analysis and application of an Indigenous Māori cultural framework as a lens to better understand contemporary organisational issues, such as bicultural governance, structure, ethical leadership and organisational behaviours.
P 36 200-level points SC Commerce

MANT 341 Management in Asia-Pacific
NO 0.15 EFTS OL, OC 18 points
Understanding selected cultures of Asia-Pacific in relation to management practice.
P 36 200-level MANT points SC Commerce

MANT 342 Global Business Strategy
S1 0.15 EFTS OL, OC 18 points
The strategic aspects of doing business internationally and why firms internationalise.
P (MANT 217 or 251) and 18 further 200-level points SC Commerce
Note: May not be credited together with MANT 360 passed in 2015 or 2016.

MANT 343 Negotiation and Dispute Resolution
S1 0.15 EFTS OL, OC 18 points
Study of the theory and concepts of negotiation and of mediation as an alternative dispute resolution mechanism, and the development of practical negotiation and mediation skills for application in business and management systems.
P 36 200-level points from Commerce Schedule C SC Commerce
Note: Alternatively LAWS 415 may be taken as a prerequisite or corequisite.

MANT 344 Issues in Personnel
NO 0.15 EFTS OL, OC 18 points
Focuses on the policy and practice of strategic human resource management. Specific SHRM strategies are examined in the context of a case study. Adopts a practical approach to the concepts and practice of SHRM.
P MANT 250 and 18 further 200-level points SC Commerce

MANT 346 Employment Relations
S2 0.15 EFTS OL, OC 18 points
Examines how employers, employees and their organisations achieve their objectives. Topics include collective and individual bargaining, mediation, grievance adjudication, industrial conflict, and an introduction to skills such as employment contract negotiation and interpretation.
P MANT 250 and 18 further 200-level points SC Commerce
Note: Alternatively, LAWS 413 may be taken as a prerequisite or corequisite.

MANT 347 Occupational Psychology
S1 0.15 EFTS OL, OC 18 points
Exploration of applied organisational situations connected with how and why workers behave. How to manage and motivate employees through organisational processes such as job design, well being, selection and performance.
P MANT 250 and 18 further 200-level points SC Commerce

MANT 348 Chinese Business Cultures
NO 0.15 EFTS OL, OC 18 points
Chinese business interests are becoming increasingly dominant in the Asia-Pacific region. This paper places Chinese business practice in the context of Chinese culture, both that of the overseas Chinese and the people of mainland China.
P 54 200-level MANT points or 36 200-level CHIN points SC Commerce
Note: May not be credited together with MANT 359 passed in 1999-2002.

MANT 350 Challenges in Contemporary Management
NO (2021) 0.15 EFTS OL, OC 18 points
Transition from academic understanding to managerial practice merging and enhancing the skills and knowledge acquired in elective courses.
P MANT 250, 251 and 36 300-level MANT points SC Commerce

MANT 358 Special Topic
NO 0.15 EFTS OL, OC, DP 18 points
Analysis and application of an Indigenous Māori cultural framework as a lens to better understand innovation and entrepreneurship to consider the process of business creation from ideation through to implementation.
P 54 points at 200-level SC Commerce
Note: May be taken by other approved students who have not fulfilled the normal prerequisite.
MANT 359 Special Topic  
NO (2021) 0.15 EFTS OC 18 points 
EQUIPS STUDENTS WITH THE ABILITY TO IDENTIFY NUMEROUS WAYS TO VOICE THEIR VALUES IN THE WORKPLACE AND THE SKILLS TO MAKE WHAT IS RIGHT HAPPEN DESPITE PRESSURE FROM OTHERS WITHIN THEIR ORGANISATIONS. 
P 36 200-level points SC Commerce 

MANT 360 Special Topic  
NO (2021) 0.15 EFTS OL, OC 18 points 
P 36 200-level MANT points SC Commerce 

MANT 361 Special Topic: International HR Management  
S2 0.15 EFTS OL, OC 18 points 
Examines the essential theories and concepts for conducting human resource management practice in different countries and cultures, and with teams from multiple locations. 
P (MANT 101 or BSN 111) and (MANT 250 or SC 200-level points from Commerce Schedule C). SC Commerce 

MANT 370 Management Practicum  
NO 0.15 EFTS OC 18 points 
A reflective learning opportunity in the workplace which will integrate academic constructs with management practice. 
P 54 200-level MANT points R TOUR 307 SC Commerce 

MANT 414 Research Process  
S1 0.1667 EFTS OL, OC 20 points 
Topics in research, history, philosophy, theory and practice. Topic emphasis and learning methods vary according to instructor and student interest. 
P 72 300-level MANT points 

MANT 415 Advanced Research Practice  
NO 0.1667 EFTS OL, OC 20 points 
Provides both a theoretical understanding of research methods and the practical aspects of using such methods in student research. 
PC MANT 414 

MANT 437 Organisations and Sustainability  
S1 0.1667 EFTS OL, OC 20 points 
Examines how businesses are responding to sustainability and climate change in the current socio-economic context, and encourages students to create alternative scenarios for future business worlds. 
P 72 300-level MANT points R MANT 337 

MANT 450 Governance and Social Responsibility  
S2 0.1667 EFTS OL, OC 20 points 
Evaluate and critique the concept of social responsibility, understand the context of it and how it functions operationally and at the governance level. 
P 72 300-level MANT points 

MANT 451 Strategic Change and Innovation  
S1 0.1667 EFTS OL, OC 20 points 
Consideration of seminal and contemporary literature in strategic management, change and innovation across a range of subject areas in order to develop an appreciation for key questions that lie ahead for research and practice. 
P 72 300-level MANT points 

MANT 452 Negotiation and Conflict Resolution  
S1 0.1667 EFTS OL, OC 20 points 
The history, theory and current practice of collective and individual employment relationships, focusing on employee unions, collective bargaining, grievances, and the dispute resolution processes of negotiation, mediation, and arbitration. 
P 72 300-level MANT points 

MANT 453 Human Resource Management  
S2 0.1667 EFTS OL, OC 20 points 
Strategic evaluation of the role of people within organisations. Emphasis of the motive behind people who act and critical engagement with literature to improve people practices. 
P 72 300-level MANT points 

MANT 454 Global Management  
S1 0.1667 EFTS OL, OC 20 points 
The broad and complex challenges of conducting business across national borders, from micro (e.g. management of cross-cultural and geographically-diverse teams) to macro (e.g. development of global strategies). 
P 72 300-level MANT points 

MANT 455 Leadership Development  
NO (2021) 0.1667 EFTS OL, OC 20 points 
Leadership literature and strategic evaluation of the importance of leaders for business and society, taking into consideration their responsibilities and decision-making from a variety of perspectives. 
P 72 300-level MANT points 

MANT 456 Operations Excellence  
S2 0.1667 EFTS OL, OC 20 points 
P 72 300-level MANT points 

MANT 457 Entrepreneurship  
NO 0.1667 EFTS OL, OC 20 points 
Issues facing entrepreneurs such as work-family balance, growth issues and access to finance. 
P 72 300-level MANT points 

MANT 460 Advanced Global Business Strategy  
S2 0.1667 EFTS OL, OC 20 points 
Examination of various aspects of how and why firms internationalise. 
P 72 300-level MANT points 

MANT 461 Employment Relations  
S2 0.1667 EFTS OL, OC 20 points 
Theory and current practice of collective and individual employment relations including statutory, contractual and common law rights and responsibilities of employers and employees. 
P 72 300-level MANT points 

MANT 480 Dissertation or Case Study  
FY, N1 0.3333 EFTS OL, OC 40 points 
A dissertation or case study of approximately 15,000 words. 
P 72 300-level MANT points R MANT 481 LT BCom(Hons), PGDipCom 

MANT 501 Applied Project  
N1 0.3333 EFTS OL, OC 40 points 
An investigation of a business problem (real or simulated), backed by appropriate applied and academic literature. 
LT MSusBus 

MANT 580 Research Project  
N1 0.3333 EFTS OL, OC 40 points 
Investigation of a problem at a critical and analytical level, backed by appropriate applied and academic literature. 
LT MSusBus 

MAOH 301 Hauora Māori in Practice: Working with Organisations and Communities  
S1 0.15 EFTS OL, OC 18 points 
Covers working with Māori organisations in health and with Māori communities. Encompasses organisational responsiveness to Māori, culturally responsive assessment, integration and quality services meeting Māori needs. 
P MAOH 201 SC Arts and Music 

Maori Studies  
MAOR 102 Māori Society  
ES 0.15 EFTS OL, OC 18 points 
An introduction to the theory and practice of Māori culture and society in traditional and contemporary contexts. 
SC Arts and Music 

MAOR 103 Introduction to Ngāti Tahu  
S1 0.15 EFTS OC 18 points 
An introduction to Ngāti Tahu society and culture, with emphasis on their distinctiveness and their role as mana whenua in the Otago region. 
SC Arts and Music 

MAOR 108 Waiaia: Te Timatanga  
S1 0.15 EFTS OL, OC 18 points 
An introductory study of various forms of waiaia (Māori performing art) including haka from traditional to contemporary times. A practicum component is included. 
SC Arts and Music 

MAOR 110 Introduction to Conversational Māori  
ES, SS 0.15 EFTS OL, OC 18 points 
An introduction to Māori language with emphasis on pronunciation, greetings and forms of language in particular cultural contexts. 
R MAOR 111 or 112 or any other more advanced Māori language paper SC Arts and Music 

MAOR 111 Te Kākano  
S1 0.15 EFTS OL, OC 18 points 
A post-introductory paper in Māori language that is taught mainly in Māori. Some previous knowledge of Māori language is essential. He ukanga kia whakapakari i te reo o rino, tino tita ki ko te aha te o te reo Māori. Ko te mutu te ako a tenei course i tino te ako ki te hanganga i e whakahao a te oranga o te reo. 
P MAOR 110 R MAOR 112 or 131 or any other more advanced Māori language paper SC Arts and Music 

Notes: (i) The prerequisite may be waived for students with evidence of equivalent prior knowledge. (ii) Students will be placed in MAOR language papers appropriate to their knowledge of Māori. A first year student placed in 200- or 300-level language papers will still have to pass MAOR papers worth at least 162 points in order to major in MAOR Studies. (iii) If you have NCEA level one Māori papers (or any other more advanced course) you are recommended to consult with the course coordinator before enrolment. 

MAOR Health  
MAOH 201 Hauora Māori in Practice: Working with Individuals and Whānau  
S1 0.15 EFTS OL, OC 18 points 
Culturally competent practice when working with Māori individuals and whānau in health and service settings. Encompasses Te Ao Māori contexts, interprofessional skills, key health issues and inter-professional approaches. 
P HUBS 191, 192, PUBH 192 PC MAOR 102 SC Arts and Music 
Note: With permission, 108 points may be substituted for HUBS 191, HUBS 192 and PUBH 192 

Prescriptions  
Key: S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LP: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin). See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
MAOR 102 Introducing the Māori World

N1 0.15 EFTS OL, OC 18 points
An introduction to the Māori world, including cultural concepts and practices, Treaty of Waitangi, pronunciation, greetings, songs, and forms of language appropriate to work contexts. Includes cultural experience practices.
R MAOR 102, 110 or any other more advanced Māori language paper
SC Arts and Music
Note: Students who have completed both MAOR 102 and 110, or any other more advanced Māori language paper, are not eligible to enrol in this paper.

MAOR 202 Māori and Tikanga
S1 0.15 EFTS OL, OC 18 points
An examination of Māori culture in traditional and contemporary contexts.
P MAOR 102
R MAOR 222
SC Arts and Music

MAOR 203 Ngā Tahi Society
S1 0.15 EFTS OL, OC 18 points
An introduction to the knowledge base of traditional Ngā Tahi Tahi society, with emphasis on traditional lifestyles.
P MAOR 102 or 103
SC Arts and Music

MAOR 204 Te Tiriti o Waitangi
S2 0.15 EFTS OL, OC 18 points
The history and politics of Te Tiriti o Waitangi (The Treaty of Waitangi) in both its historical and contemporary contexts which advance an Indigenous position.
P MAOR 102 or 36 points
R MAOR 104
SC Arts and Music

MAOR 206 Ngā Pūkenga Tuhi
NO (2021) 0.15 EFTS OL, OC 18 points
The development of writing skills in te reo Māori over a range of genres. Taught in Māori.
P MAOR 211
R MAOR 306
SC Arts and Music

MAOR 207 Ngā Kōrero Nehe – Tribal Histories
S2 0.15 EFTS OL, OC 18 points
Study of Māori tribal history up to first contact with Pākehā, including texts in Māori and English. Forms and issues respecting Māori historical knowledge are also taught.
P MAOR 102 or 36 points
SC Arts and Music

MAOR 208 Ngā Manu Taki
NO 0.15 EFTS OL, OC 18 points
The study of famous Māori composers, the revival of some of their compositions and the examination of these compositions through high-level performance.
P MAOR 108
SC Arts and Music

MAOR 210 Special Topic
S1 0.15 EFTS OL, OC 18 points
SC Arts and Music

MAOR 211 Te Pihinga 1
S1 0.15 EFTS OL, OC 18 points
Taught in Māori, this is an intermediate language paper for students who have passed MAOR 112. Ko te kaupapa o te reo whakahohonu, he whakawhanaui i te reo o te hunga kua puta atu i MAOR 112. Katou ngā mahi o tênei pepa kei te reo Māori.
P MAOR 211
R MAOR 231 or 311 or any other more advanced Māori language paper
SC Arts and Music

MAOR 213 Te Mana o Te Reo
S1 0.15 EFTS OL, OC 18 points
The history and development of the Māori language. Along with its cultural context and consequences, various contemporary issues facing the language will be addressed.
P MAOR 102 or 36 points
SC Arts and Music

MAOR 301 He Whakarākāri
S1 0.15 EFTS OL, OC 18 points
An examination of old and contemporary Māori language sources as models of expressing ideas. This paper is taught in Māori.
P MAOR 311
R MAOR 401
SC Arts and Music
Notes: (i) Students may be admitted to this paper if they have completed the equivalent of MAOR 311 elsewhere. (ii) May not be credited with MAOR 410 completed in 2008 or 2010.

MAOR 303 Ngā Tahi Tahu and the Natural World
NO 0.15 EFTS OL, OC 18 points
An in-depth study of traditional Ngā Tahi Tahi society and culture, with particular emphasis on their interaction with the environment and traditional forms of environmental management.
P 18 200-level BTNY, ECOL, ENVI, GEOG, MAOR or ZOOL points
SC Arts and Music
Note: May not be credited together with MAOR 310 passed in 2004.

MAOR 304 Te Rūgū Whakamana i Te Tiriti – Waitangi Tribunal
NO 0.15 EFTS OL, OC 18 points
Case studies of Māori interactions with the Waitangi Tribunal at whanau, hapu, and iwi (family, clan, tribe) levels to understand Māori society, economics, and politics.
P EDUC 251 or SOWK 236 or 18 200-level HIST, LAWS, MAOR or POLS points
SC Arts and Music

MAOR 306 Ngā Pūkenga Tuhi
NO 0.15 EFTS OL, OC 18 points
Advanced writing skills in te reo Māori over a range of genres. Taught in Māori.
P MAOR 311
R MAOR 206
SC Arts and Music

MAOR 307 Te Tūtūkutanga o Ngā Ao e Ruia
S1 0.15 EFTS OL, OC 18 points
The study of the post-contact Indigenous histories of Aotearoa and other parts of eastern Polynesia.
P 18 200-level HIST, MAOR or PACI points
SC Arts and Music

MAOR 308 Ngā Hākikina kia Te Māori
S2 0.15 EFTS OL, OC 18 points
Various forms of Māori Performing Arts including poi and patu, etc. are examined. A practicum component is also included. Taught mainly in Māori.
P MAOR 208
SC Arts and Music

MAOR 310 Special Topic
NO 0.15 EFTS OL, OC 18 points
Māori/ibi social, economic and cultural development in the post-treaty settlement era, including modules that investigate the challenges Pacific nations are experiencing in the 21st century.
P 18 200-level MAOR points
SC Arts and Music

MAOR 311 Te Māhuri 1
S1 0.15 EFTS OL, OC 18 points
Taught in Māori, this is an advanced language paper for students who have passed MAOR 212. Ko te kaupapa o te reo whakahohonu, he whakawhanaui i te reo o te hunga kua puta atu i MAOR 212. Katou ngā mahi o tênei pepa kei te reo Māori.
P MAOR 212 or MAOR 312
R MAOR 312 or 331 or any other more advanced Māori language paper
SC Arts and Music

MAOR 312 Te Māhuri 2
S2 0.15 EFTS OL, OC 18 points
Taught in Māori, this is a continuing advanced language paper for students who have passed MAOR311. Ko te kaupapa o te reo whakahohonu, he whakawhanaui i te reo o te hunga kua puta atu i MAOR 311. Katou ngā mahi o tênei pepa kei te reo Māori.
P MAOR 311
R MAOR 331, 431
SC Arts and Music

MAOR 301 Te Hiranga Taketake
NO 0.15 EFTS OL, OC 18 points
An in-depth examination of old and contemporary sources as models for expressing ideas. This paper is taught in Māori.
P MAOR 411 or 431
R MAOR 301
Notes: (i) Students may be admitted to this paper if they have completed the equivalent of MAOR 411 or 431 elsewhere. (ii) May not be credited with MAOR 410 completed in 2008 or 2010.

MAOR 404 Toitoi te Whenua – Land, Lore and Colonialism
S2 0.1667 EFTS OL, OC, DL 20 points
An examination of Māori attitudes to whenua (land) through tikanga (customary lore), and the influence of colonialism in the Māori world using Land Court Minute Books.
P 36 300-level ANTH, GEOG, HIST, MAOR, MFCO or POLS points or 30 LAWS points at 300-level or above
R MAOR 404

MAOR 407 Presenting Pacific Histories
S2 0.1667 EFTS OL, OC, DL 20 points
Topics and themes in the representation of Indigenous histories of Aotearoa and other Islands of the Pacific.
P 36 300-level HIST, MAOR or PACI points
R MAOR 407
Note: Also available through the Distance Learning Programme.

MAOR 410 Special Topic
NO 0.1667 EFTS OC 20 points
P 36 300-level MAOR points

MAOR 413 Te Tātari i Te Kaupapa – Māori and Indigenous Education
S1 0.1667 EFTS OC 20 points
A critical analysis of the inter-relationships between language, knowledge, culture and power in education in the struggle of indigenous peoples for self-determination, with a focus on empowering communities.
P Two 300-level MAOR, PACI, INDV or EDUC papers
LT BA(Hons), PGDipArts, MInDs
Note: May not be credited together with MAOR 410 passed in 2015.

MAOR 414 He Pūkoro – Theory and Research Methodologies
NO 0.1667 EFTS OL, OC 20 points
Introduces theory and research methodologies by Māori, Pacific, Indigenous and Western intellectuals. Includes applied practicums introducing students to culturally appropriate research within Indigenous communities.
R MAOR 314
LT BA(Hons), PGDipArts
Note: Enrolment subject to approval from the Head of Department. This paper may be limited to students taking the paper as part of the PG Dip/ App Lic or MApp Lic in Marine Environmental Science.

MARI 403 Critical Thinking for Environmental Scientists
NO 0.1667 EFTS OL, OC, DP 20 points Evaluation and presentation of environmental information to ensure robust and effective decision making in the environmental sector, including quality and integrity of scientific data, integration of data with political and cultural approaches, objectivism versus advocacy, and convincing presentation of complex findings.

Note: Open to any fourth-year student undertaking an environmentally related qualification. Enrolment subject to approval from the Head of Department.

Note for MARI 429, 431, 450, 451: Admission subject to approval from Head of Department.

MARI 429 Coastal Marine Environment FY 0.1667 EFTS OL, OC 20 points An integrated approach to studying oceanography, water chemistry and productivity in the coastal marine environment. Includes project planning, data gathering and analysis.

Note: Recommended concurrent study is an advanced-level paper for Taught in Māori and biotic adaptations to these challenging environments. Responses (via adaptation) of high-latitude marine species to past and future climate change.

MARI 450 Special Topic NO 0.1667 EFTS OL, OC, DP 20 points From time to time, staff may offer a topic from an approved list of specialised topics. Contact the department for details.

Note for MARI 429, 431, 450, 451: Admission subject to approval from the Head of Department. Enrolment subject to approval from the Head of Department.

MARI 451 Advanced Topics in Marine Science S1 0.1667 EFTS OL 20 points A current literature-based course that develops critical thinking, experimental design and best practice in publishing research.

MARI 480 Independent Project FY 0.1667 EFTS OL 20 points A supervised project involving research and leading to the production of a research report.

MARI 485 Master's Thesis Preparation N1 0.3333 EFTS OL, OC 40 points Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the years prior to a Master’s degree by papers and thesis.

MART 201 Integrated Marketing Communications S2 0.15 EFTS OL, OC 18 points The use of marketing communication tools such as advertising, promotion, publicity, public relations and sales management. The development of media plans and presentation skills will be stressed.

MART 205 Marketing the Professional Practice S2 0.15 EFTS OL, OC 18 points Advertising the professional practice, packaging of professional services; measuring and improving client satisfaction; the professional-client relationship; adding value to professional services; building reputation and image; fee setting; ethical issues.

MART 207 Sports Marketing S1 0.15 EFTS OL 18 points An introduction to the theory and practice of sports marketing, with particular emphasis on the New Zealand situation.

MART 210 Consumer Behaviour S1 0.15 EFTS OL 18 points An in-depth examination of consumer behaviour, including psychological, sociological, and individual characteristics influencing consumer behaviour and the relationship between business, consumers and global consumption.

MART 211 Products to Market S2 0.15 EFTS OL 18 points Provides an in-depth understanding of the issues and considerations in the management and pricing of products, illustrates the role of pricing and product management in achieving strategic business goals, demonstrates the link between pricing and product management within the context of marketing channels.

MART 212 Understanding Markets S1 0.15 EFTS OL 18 points An introduction to marketing research and data analysis and their role in solving problems encountered by businesses. The emphasis is placed on commissioning, assessing and interpreting quantitative and qualitative marketing research during a professional career.

MART 301 Strategic Marketing S2 0.15 EFTS OL 18 points Elements of marketing strategy are considered to establish a framework that incorporates marketing within the overall corporate planning process. Processes such as competitor analysis, market segmentation and positioning in the environment.

MART 302 Sales and Sales Management S1 0.15 EFTS OL 18 points An introduction to the theory and practice of selling and sales management, integrating these concepts into the ‘best practice’ of modern business.

MART 305 Societal Issues in Marketing S1 0.15 EFTS OL 18 points The relationships between marketing, public policy, and social and environmental values are examined with reference to legal issues.

Marketing Management
MART 112 Marketing S2 0.15 EFTS OL, OC 18 points An introduction to the marketing environment, customer types, buyer behaviour, market segmentation and product, pricing, distribution and promotion issues in the context of domestic and international product and service markets.

MART 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215 SC Commerce

MART 304 Sales and Sales Management S1 0.15 EFTS OL 18 points An introduction to the theory and practice of selling and sales management, integrating these concepts into the ‘best practice’ of modern business.

MART 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215 SC Commerce

MART 305 Societal Issues in Marketing S1 0.15 EFTS OL 18 points The relationships between marketing, public policy, and social and environmental values are examined with reference to legal issues.

MART 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215 SC Commerce

Key:
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; LP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).

See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
MART 306 Innovation and New Product Development
S1 0.15 EFTS OL, OC 18 points
The theory and practice of market-led innovation and new product development from idea generation through to the product launch and post-launch evaluation.

P Two of (MART 201-203) or two of (MART 201, 210–212)
R MAMW 302
SC Commerce

MART 308 Integrated Digital Marketing
S1, S5 0.15 EFTS OL, OC 18 points
An introduction to the practice of integrated digital marketing, including both digital marketing skills and business philosophy, and also a sociological view, including ethical considerations.

P 54 200 level points
SC Commerce

Note: May not be credited together with MART 330 passed in 2017, 2018 or 2019.

MART 325 Services Marketing
S1 0.15 EFTS OL, OC 18 points
Services marketing and service management between firms and their customers. This paper is vital to any understanding of contemporary marketing, including relationship marketing and the co-creation of value.

P Two of (MART 201-203) or two of (MART 201, 210–212)
SC Commerce

MART 326 International and Export Marketing
S2 0.15 EFTS OL, OC 18 points
The analysis and application of marketing principles in an international context.

P Two of (MART 201-203) or two of (MART 201, 210–212)
SC Commerce

MART 328 Business to Business Marketing
S2 0.15 EFTS OL, OC 18 points
The creation and management of relationships between companies working in extended networks. A state of the art view of business marketing theory and practice.

P Two of (MART 201-203) or two of (MART 201, 210–212)
SC Commerce

MART 329 Consumer Behaviour
S2 0.15 EFTS OL, OC 18 points
Develops an in-depth study of a number of concepts in consumer behaviour within the context of consumer culture.

P Two of (MART 201-203) or two of (MART 201, 210–212)
SC Commerce

MART 330 Special Topic
SS 0.15 EFTS OL, OC, DP 18 points
An introduction to the practice of integrated digital marketing, including both digital marketing skills and business philosophy, and also a sociological view, including ethical considerations.

P 54 200 level points
SC Commerce

MART 333 Creative Marketing Communication
S2 0.15 EFTS OL, OC 18 points
Creativity and criticality in business communication, future-oriented themes in aesthetics and effectiveness in multimedia contexts and the design of digital and physical experience spaces.

P 54 200 level points
SC Commerce

MART 355 Business Project
FY 0.3 EFTS OL, OC 36 points
A practical marketing project.

P (MART 201-203, 307 with an average of grade B across all papers) or (MART 212, and two of MART 201, 210, 211 with an average of grade B across all papers)
SC Commerce

MART 407 Topics in Advanced Marketing 7
N1 0.1667 EFTS OL, OC, DP 20 points
Any two modules from a selection of modules offered (each worth 10 points), subject to availability.

Note: Available only to MBA students.

MART 409 Topics in Advanced Marketing 9
N1 0.25 EFTS OL, OC, DP 30 points
Three approved modules from a selection of modules offered (each worth 10 points), subject to availability.

Note: Available only to MBA students.

MART 411 Topics in Advanced Marketing 11
N1 0.3333 EFTS OL, OC, DP 40 points
A combination of approved modules from a selection of modules offered (each worth 10 or 20 points), subject to availability.

Note: Available only to MBA students.

MART 448 Advanced Business Analytics
S2 0.1667 EFTS OL, OC, DP 20 points
Application of advanced analytics in a business context using SAS. Topics include: data marts, data access and integration, predictive modelling, design of experiments, segmentation, forecasting.

P 200 level points

MART 460 Research Methods
S1 0.1667 EFTS OL, OC 20 points
Qualitative and quantitative research methods are critiqued with regard to their application in solving marketing problems.

MART 461 Marketing Theory
S1 0.1667 EFTS OL, OC 20 points
The theoretical foundations of marketing as an academic discipline, its role in organisations, as well as its broader social and economic functions.

MART 462 Advanced Marketing Analysis
S1 0.1667 EFTS OL, OC 20 points
The applications of quantitative and qualitative research methods to marketing problems, the advancement of marketing theory and the development of applied skills in research design and analysis.

MART 463 Food Marketing
S1 0.1667 EFTS OL, OC 20 points
Factors affecting food marketing in New Zealand and internationally, and their influence on the development of the food industry including product development and marketing research for effective food marketing.

MART 464 Consumer Behaviour
S2 0.1667 EFTS OL, OC 20 points
Recent developments and issues in consumer behaviour and consumer research.

MART 465 Retailing
NO 0.1667 EFTS OL, OC 20 points
An introduction to retailing that encourages students to think laterally and critically about retailing and creates an environment where students can explore related topics in which they are interested.

MART 466 Digital Marketing
S1 0.1667 EFTS OL, OC 20 points
An introduction to the application of digital technological marketing. Provides students with a deeper understanding of digital marketing theories and online tools available to marketers. Technical background is not required.

MART 467 Tourism Marketing
S2 0.1667 EFTS OL, OC 20 points
The application of consumer behaviour and marketing theory to practical issues in providing tourism’s core product: experiences. Includes an applied research opportunity with local businesses.

MART 468 Branding
S2 0.1667 EFTS OL, OC 20 points
Development of skills to analyse and manage brands in the academic branding literature and its application to contemporary cases.

MART 469 Advertising Planning and Concept Development
N1 0.1667 EFTS OL, OC 20 points
The history, current practice and possible futures of the planning function in advertising and the development and execution of creative concepts.

MART 470 Special Topic
NO 0.1667 EFTS OL, OC 20 points

MART 480 Dissertation or Case Study
FY 0.3333 EFTS OL, OC, DP 40 points
A dissertation or case study of not more than 8,000 words.

R MART 481
LT BCom(Hons)

MART 481 Special Project in Marketing
NO 0.3333 EFTS OL, OC, DP 40 points
Consists of a special project in marketing (30 points) and a research methods module (10 points).

P 72 300-level MART points (including MART 301 and MART 307)
LT PG DipCom

MART 501 Applied Project
N1 0.3333 EFTS OL, OC 40 points
An investigation of a business problem (real or simulated), backed by appropriate applied and academic literature.

LT MMart

MART 580 Research Project
N1 0.3333 EFTS OL, OC 40 points
Investigation of a problem at a critical and analytical level, backed by appropriate applied and academic literature.

LT MMart

Materials Science and Technology

MATS 204 Treasure or Trash: Sustainability of Materials
SS 0.15 EFTS OL, OC, DL 18 points
Broad and complex challenges associated with sustainability of materials. Aspects of product lifecycle related to material selection and use (processing, production, design, end-of-life).

P 54 points
SC Commerce, Science

Mathematics

MATH 151 General Mathematics
S1, S5 0.15 EFTS OL, OC 18 points
Topics such as basic mathematical models, operations research, introductory calculus, compound interest, exponential growth and decay, simple integration as well as exponential, logarithmic and trigonometric functions.

R FINC 102, FNQ 102, QUAN 102
SC Arts and Music, Science

Note: (i) This paper is recommended for students with NCEA Level 2 mathematics or equivalent. It provides excellent preparation for students wishing to take MATH 160. (ii) MATH 151 cannot be credited together with MATH 101, 104, 160 or 170 passed previously or concurrently.

MATH 160 Mathematics 1
ES, SS 0.15 EFTS OL, OC 18 points
This paper is divided between algebra and calculus. The algebra component introduces vectors and geometric constructions fundamental to applications in mechanics and computer graphics. Matrices, polynomials, and complex numbers are introduced. The calculus component covers ideas and methods of differential and integral calculus together with key applications and extensions.

R FINC 102, FNQ 102, MATH 101, 102, QUAN 102
SC Arts and Music, Science

Note: (i) This paper is recommended for students with MATH 151, NCEA Level 3 mathematics, or equivalent. (ii) MATH 160 cannot be credited together with MATH 103, MATH 104, or MATH 170 passed previously or concurrently.

MATH 170 Mathematics 2
ES 0.15 EFTS OL, OC 18 points
This paper is divided between algebra and calculus components. The algebra component covers vectors, matrices, linear transformations, eigenvalues and introduces aspects of discrete mathematics. The calculus component covers sequences and series, inverse trigonometric and hyperbolic functions, advanced integration techniques, differential equations and their applications.

R MATH 103, 104
RP MATH 160 or (MATH 101, 102)
SC Arts and Music, Science

Note: This paper assumes material covered in MATH 160 and provides essential preparation for 200-level mathematics. Students with excellent results in Year 13 mathematics are able to enrol in MATH 170 without first taking MATH 160.
MATH 201 Real Analysis S1 0.15 EFTS OL, OC 18 points
This paper is an introduction to the basic techniques of real analysis in the familiar context of single-variable calculus.
P MATH 170 R MATH 173 SC Arts and Music, Science
MATH 202 Linear Algebra S2 0.15 EFTS OL, OC 18 points
This paper is an introduction to the fundamental ideas and techniques of linear algebra and the application of these ideas in mathematics and science.
P MATH 170 R MATH 242, 341 SC Arts and Music, Science
MATH 203 Calculus of Several Variables S1 0.15 EFTS OL, OC 18 points
This paper is an introduction to the mathematics of curves, surfaces and volumes in three-dimensional space, and extends the notions of differentiation and integration to higher dimensions.
P MATH 170 R MATH 251 SC Arts and Music, Science
MATH 272 Discrete Mathematics S2 0.15 EFTS OL, OC 18 points
Graph theory and algorithms; combinatorial counting techniques; sets, relations, modular arithmetic and applications to cryptography. There will be an emphasis on both proof techniques and practical algorithms.
P MATH 103 or 170 SC Arts and Music, Science
MATH 301 Hilbert Spaces S1 0.15 EFTS OL, OC 18 points
An introduction to Hilbert spaces and linear operators on Hilbert spaces, with applications to Fourier analysis, spectral theory and operator theory.
P MATH 201, 202 SC Arts and Music, Science
MATH 302 Complex Analysis S1 0.15 EFTS OL, OC 18 points
Develops the differential and integral calculus of functions of a complex variable, and its applications.
P MATH 201 SC Arts and Music, Science
MATH 304 Partial Differential Equations S2 0.15 EFTS OL, OC 18 points
Introduction to the theory of partial differential equations by discussing the main examples (Laplace equation, heat equation, wave equation and transport equations) and their applications.
P MATH 202, 203 and (MATH 262 or COMO 204) R MATH 362 RP MATH 301 SC Arts and Music, Science
MATH 306 Geometry of Curves and Surfaces S2 0.15 EFTS OL, OC 18 points
An introduction to differential geometry with a focus on the structure of two-dimensional surfaces.
P MATH 202, 203 SC Arts and Music, Science
MATH 342 Modern Algebra S1 0.15 EFTS OL, OC 18 points
Introduces the modern algebraic concepts of a group and a ring. These concepts occur throughout modern mathematics and this paper looks at their properties and some applications.
P MATH 202 SC Arts and Music, Science
MATH 374 Mathematical Physics S2 0.15 EFTS OL, OC 18 points
P MATH 203 and 36 300-level MATH orPHI points R PHYS 334, 336 RP COMO 204, PHYS 231, 232 SC Arts and Music, Science
Note for MATH 401-412: MATH 401-412 are papers in advanced mathematics, representing both the classical core of the subject and its modern developments and applications. Details of these papers are available from the Department of Mathematics and Statistics.
MATH 401-412 Topics in Advanced Mathematics S1, S2 0.1667 EFTS OL, OC 20 points each
MATH 490 Dissertation FY, N1 0.3333 EFTS OL, OC 40 points
A supervised project involving original research and leading to the production of a dissertation.
LT BA(Hons), BS(Comput), PGDipArts, PGDipSci
MATH 495 Master’s Thesis Preparation FY, N1 0.3333 EFTS OL, OC 40 points
R MATH 496 LT MSc, MA
MFCO 101 Screen Form and Culture S1 0.15 EFTS OL, OC 18 points
An introduction to the basic analytical and critical skills as they apply to the study of moving images, specifically film. Issues of form, style and genre are addressed.
R FIME 101 SC Arts and Music
MFCO 102 Understanding Contemporary Media S2 0.15 EFTS OL, OC 18 points
An introduction to the theoretical framework of media studies and the emergent contemporary discourses that define the discipline. Students will confront a series of issues (politics, aesthetics, and ideology) related to the topical concerns of media and communication theory.
R FIME 102 SC Arts and Music
MFCO 103 Introduction to Communication Studies S1 0.15 EFTS OL, OC 18 points
An introduction to communication theories, media and genres.
R COMS 101 SC Arts and Music
MFCO 201 The History of Film NO 0.15 EFTS OL, OC 18 points
An historical survey of the major developments in film history.
P 18 MFCO or FIME points R FIME 201 SC Arts and Music
MFCO 202 Theory of Communication Studies S2 0.15 EFTS OL, OC 18 points
Communication theory as it applies to cultural, media, and technological contexts and processes.
P 18 MFCO or COMS points R COMS 201 SC Arts and Music
MFCO 203 Media History S1 0.15 EFTS OL, OC 18 points
A survey of the major developments in media history. Examines the complex interaction among media institutions, technological developments, cultural identity, and social context.
P 18 MFCO or COMS points SC Arts and Music
Note: May not be credited together with COMS 206 passed in 2006-2008.
MFCO 205 Communication Research Methods NO 0.15 EFTS OL, OC 18 points
Introduction to communication research and methods used to conduct research on communication.
P 18 MFCO or COMS points SC Arts and Music
MFCO 210 Theory of Film and Media S2 0.15 EFTS OL, OC 18 points
Key theories that inform film and media studies and the discourses that have defined the disciplines.
P 18 100-level MFCO points SC Arts and Music
MFCO 212 Media and Interultural Communication S1 0.15 EFTS OL, OC 18 points
A critical and theoretical study of contemporary issues related to inter-group relations and community, indigenous rights and global media, pornography and violence, gender and race.
P 18 MFCO or FIME points R FIME 202 SC Arts and Music
MFCO 213 Media Genres S2 0.15 EFTS OL, OC 18 points
A detailed study of a particular media genre, or genres, such as film noir, science fiction, horror, the musical.
P 18 MFCO or FIME points R FIME 203 SC Arts and Music
MFCO 216 New Zealand Cinema S1 0.15 EFTS OL, OC 18 points
A study of New Zealand film with emphasis placed upon historical and theoretical approaches.
P 18 MFCO, ENGL or FIME points R FIME 206 SC Arts and Music
MFCO 217 Television Studies NO 0.15 EFTS OL, OC 18 points
Surveys the large and growing field of scholarly television studies. Discusses a broad range of theoretical and critical material that looks at television in relationship to culture, politics, gender, race, and class. Places the study of television in a New Zealand and international context.
P 18 MFCO or FIME points R FIME 207 SC Arts and Music
MFCO 220 Writing for the Media S1 0.15 EFTS OL, OC 18 points
Provides students with writing skills across a range of media, with an emphasis on cross-platform, non-fiction writing. The conventions and creative roles involved in producing media texts are interrogated.
P MFCO 101 or 102 or 103 SC Arts and Music
Note: May not be credited together with MFCO 230 Special Topic: Writing for the Media passed in 2012, 2013, or 2014.
MFCO 222 Science, Technology, and Society S2 0.15 EFTS OL, OC 18 points
An exploration of the interdisciplinary field of science, technology, and society (STS), examining the complex interaction of science, technology, medicine and society.
P 36 points SC Arts and Music, Science
MFCO 223 Documentary and Reality Media S1 0.15 EFTS OL, OC 18 points
The politics and aesthetics of representing reality through documentary, reality television and social media.
P 54 points SC Arts and Music, Science
MFCO 224 Studying Selfies: Celebrity Surveillance and Cyberspace NO 0.15 EFTS OL, OC 18 points
The “selfie” as a site of critical study, looking at selfies as cultural objects and how researchers understand the selfie as a space for/act of communication.
P 18 points SC Arts and Music
Note: May not be credited together with MFCO 242 passed in 2017 or 2018.
MFCO 226 Preparing for Dissertation S1 0.15 EFTS OL, OC 18 points
P 18 MFCO or COMS points R COMS 201 SC Arts and Music
Note: May not be credited together with MFCO 242 passed in 2017 or 2018.

Key
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; NS: not offered in 2020; NO (2000X): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
### MFCO 231 Special Topic

**SS**

- **0.15 EFTS** OL, OC, OL 18 points

**Journalism Now:** Seeking the truth in a world of disinformation and fake news; explores the cultural, ethical and social effects of disinformation and misinformation. Uses case histories from journalists and practical exercises.

**P**

- 36 100-level points

**SC**

- Arts and Music

### MFCO 242 Special Topic

**NO**

- **0.15 EFTS** OL, OC 18 points

The ‘selfie’ as a site of critical study; selfies as cultural objects, and how researchers understand the selfie as a space for act of communication.

**P**

- 18 points

**SC**

- Arts and Music

### MFCO 251 Television Studio Production

**S2**

- **0.15 EFTS** OL, OC, DP 18 points

An introduction to the practical elements of studio-based television production.

**P**

- 18 MFCO, COMS or FIME points

**R**

- COMS 250, MFCO 250

**SC**

- Arts and Music

**Note:** Due to restrictions on the facility, numbers for this paper may be capped. Please contact the department (mfcos@otago.ac.nz) if you have any questions.

### MFCO 301 Critical Problems in Film and Media

**S1**

- **0.15 EFTS** OL, OC 18 points

A survey of the major critical and theoretical approaches to film and media to include the impact on contemporary digital media convergence and transmedia production.

**P**

- 18 200-level MFCO or FIME points or GEND 205 or GEND 305

**R**

- FIME 301

**SC**

- Arts and Music

**Note:** Due to restrictions on the facility, numbers for this paper may be capped. Please contact the department (mfcos@otago.ac.nz) if you have any questions.

### MFCO 303 Critical Problems in Communication Studies

**S1**

- **0.15 EFTS** OL, OC 18 points

News media routine processes, mythologies, structural constraints, access and equity; discourses and social contexts of new production.

**P**

- 18 200-level MFCO or COMS points or GEND 205 or GEND 305

**R**

- COMS 301

**SC**

- Arts and Music

**Note:** May not be credited together with COMS 305 passed in 2006-2008.

### MFCO 313 Culture, Politics, Policy and Global Media

**S2**

- **0.15 EFTS** OL, OC 18 points

Bringing together theories of ideology and praxis, this paper concerns the impact of global media on politics, culture and everyday life as well as the organisation of global media, industrial and cultural practices in the information age. What is a media event? Who is in control of the media? How do the media shape culture and politics?

**P**

- 18 200-level MFCO or FIME points

**R**

- FIME 303

**SC**

- Arts and Music

### MFCO 314 French Cinema

**NO**

- **0.15 EFTS** OL, OC 18 points

Selected topics in French cinema since 1945.

**P**

- 18 200-level MFCO or FIME points

**R**

- FIME 304

**SC**

- Arts and Music

### MFCO 315 Digital Media and Society

**S1**

- **0.15 EFTS** OL, OC 18 points

Critical debates on digital media; exploring the history of the digital as a worldview, as a crucial moment in the development of contemporary capitalism, and as a rapidly evolving technology.

**P**

- 18 200-level MFCO or FIME points

**SC**

- Arts and Music

**Note:** May not be credited together with FIME 305 passed in 2006 or 2007.
Further examination of the function of major organ systems of the human body, with relevance to the practice of medical laboratory science.

MELS 301 Diagnostic Chemical Pathology
S1 0.25 EFTS OL, OC 30 points
A study of systematic chemical pathology, including the major organ systems, their diseases and biochemical abnormalities, and the molecular basis of inherited diseases including basic analytical techniques, instrumentation and data processing.

MELS 302 Haematology and Transfusion Science
S2 0.25 EFTS OL, OC 30 points
Provides basic knowledge in haematology and immunohaematology and comprises the study of the cellular components of blood, their functions, the haemostatic processes and outlines disease processes affecting them.

MELS 304 Principles of Pathology
S1 0.125 EFTS OL, OC 15 points
The scientific study of disease processes that result in morphological and functional changes in cells, tissues and organs, includes an introduction to anatomic pathology and pathophysiology. The basic processes of degeneration, cell death, inflammation, immunological reactions, tissue repair and disorder of growth including neoplasia.

MELS 305 Elements of Histotechnology
S1 0.125 EFTS OL, OC 15 points
An introduction to the theory and practice of histotechnology, cytology and diagnostic electron microscopy.

MELS 306 Medical Microbiology
S1 0.25 EFTS OL, OC 30 points
Infectious diseases of humans and their causative agents; the molecular basis of microbial pathogenesis; the prevention, laboratory diagnosis and treatment of infection.

MELS 401 Advanced Diagnostic Chemical Pathology
ES 0.5 EFTS OL, DL 60 points
The advanced study of chemical pathology and clinical chemistry.
R MELS 401 LT BMLSc:

MELS 402 Clinical Microbiology
ES 0.5 EFTS OL, DL 60 points
A full-time course undertaken in an approved medical microbiology laboratory over a period of one semester.
R MELS 402 LT BMLSc:

MELS 403 Clinical Virology
ES 0.5 EFTS OL, DL 60 points
A full-time course undertaken in an approved medical virology laboratory over a period of one semester.
R MELS 403 LT BMLSc:

MELS 404 Diagnostic Molecular Pathology
ES 0.5 EFTS OL, DL 60 points
The study of human chromosomes, their abnormalities and relations to diseases, and the pre- and post-natal diagnosis of genetic disorders.
R MELS 404 LT BMLSc:

MELS 405 Cytopathology
ES 0.5 EFTS OL, DL 60 points
Includes the theory of cytopathology supported by relevant practical aspects as a comprehensive basis to diagnostic cytopathology. Routine procedures including collection, fixation, processing and staining of cytological specimens.
R MELS 405 LT BMLSc:

MELS 406 Haematology
ES 0.5 EFTS OL, DL 60 points
Builds on the basic knowledge acquired in year three. An in-depth study of the cellular components of blood, the haemostatic mechanisms and their associated disease processes, an understanding of genetically determined blood disorders will be acquired.
R MELS 406 LT BMLSc:

MELS 407 Histopathology
ES 0.5 EFTS OL, DL 60 points
Provides in-depth coverage of histopathology including the theory and practice of the routine procedures of tissue fixation and processing, microscopy and staining, as well as the more sophisticated techniques of histochemistry and autoradiography.
R MELS 407 LT BMLSc:

MELS 408 Transfusion Science
ES 0.5 EFTS OL, DL 60 points
A full-time course undertaken in an approved medical immunology laboratory over a period of one semester.
R MELS 408 LT BMLSc:

MELS 409 Clinical Immunology
ES 0.5 EFTS OL, DL 60 points
A full-time course undertaken in an approved medical immunology laboratory over a period of one semester.
R MELS 409 LT BMLSc:

MELS 410 Medical Laboratory Science for Rural Health
ES 1.0 EFTS OL, DL, DP 60 points
A full-time course undertaken in an approved rural or smaller provincial laboratory over a period of one semester.
LT BMLSc:
Note: This paper has non-standard start dates: S1 – 10 February; S2 – 22 January.

MELS 510 Advanced Medical Laboratory Science Practice
FY 0.375 EFTS OL, OC, DP 45 points
Course work in a Medical Laboratory Science discipline at an advanced level with an emphasis on current areas of research and emerging diagnostic techniques and their application in managing disease.
LT PGDipMedTech L Dunedin, Wellington, Christchurch

MELS 580 Research Project
ES, FY 0.375 EFTS OL, OC 45 points
A supervised research project up to 15,000 words involving the development, implementation and reporting of an original topic in the student’s area of professional interest.
P One of MELS 501, 502, 503, 504, 505, 506, 507, 508, 510
LT PgdipMedTech L Dunedin, Wellington, Christchurch
Note: MELS 510 and 580 are taught at the Dunedin School of Medicine and the Christchurch and Wellington Schools of Medicine and Health Sciences. However, not all 500-level MELS papers may be available at all three Schools of Medicine in any given year. Contact the Medical Laboratory Science Programme Director for further details.

Medical Technology

MTEC 701 Biomedical Science for Medical Technicians
FY 0.25 EFTS OL, DL 30 points
Cardiovascular physiology and pathophysiology, respiratory physiology and pathophysiology, the physiology of sleep, and respiratory and cardiovascular pharmacology.
R MTEC 701 LT PGCertMedTech, PGDipMedTech Wellington

MTEC 702 Physiological Monitoring for Medical Technicians
FY 0.25 EFTS OL, DL 30 points
The principles of physiological monitoring of cardiovascular, respiratory and neurological status imaging, and the interpretation of physiological data.
R MTEC 702 LT PGCertMedTech, PGDipMedTech Wellington

MTEC 703 Cardiovascular Science for Medical Technicians
FY 0.25 EFTS OL, DL 30 points
The physiology of the cardiovascular system and changes in cardiovascular function in abnormal physiological and pathological conditions.
P MTEC 701 or MTEC 701
R MTEC 703 LT PGDipMedTech Wellington

MTEC 704 Cardiovascular Technology
FY 0.25 EFTS OL, DL 30 points
An understanding of the principles underlying the measurement of cardiovascular function, the interpretation of cardiovascular data, and therapeutic use of advanced cardiology technology.
P MTEC 702 or MTEC 702
R MTEC 704 LT PGDipMedTech Wellington

MTEC 705 Sleep Medicine
FY 0.25 EFTS OL, DL 30 points
An understanding of normal sleep and factors that alter sleep and wakefulness, and pathophysiological sleep disorders.
P MTEC 705
R MTEC 706 LT PGDipMedTech Wellington

MTEC 706 Sleep Technology
FY 0.25 EFTS OL, DL 30 points
An understanding of principles underlying the measurement of sleep and sleep-related disorders, and appropriate therapeutic interventions.
P MTEC 702 or MTEC 702
R MTEC 706 LT PGDipMedTech Wellington

PGCertMedTech, PGDipMedTech Wellington

Key
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; N0 (2000): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; RP: Restricted; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin) See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otgos.ac.nz/courses/papers
Microbiology

MICR 221 Microbes to Medicine
S1 0.15 EFTS OL, OC 18 points
Fundamental concepts in microbiology, building from the characteristics of microorganisms, through the handling and containment of microorganisms, to medical microbiology and immunology. P CELS 191 and (CHM 191 or 111) and 36 further 100-level points
R MELS 221, PHCV 219
RP HUBS 191
RC GENE 221
SC Science

MICR 222 Microbes in Action
S2 0.15 EFTS OL, OC 18 points
The ecology and functional diversity of microorganisms in natural ecosystems and the use of microorganisms in bioremediation, biocatalysis, and industrial processes. P CELS 191 and CHM 191 and 72 further points
RP MICR 221
SC Science

MICR 223 Infection and Immunity
S2 0.15 EFTS OL, OC 18 points
The epidemiology and pathogenesis of infectious diseases, the response of the immune system to microbial antigens, and how the response is measured. P HUBS 191 and 90 further points
R MELS 223
RP MICR 221
SC Science

MICR 331 Food Microbiology
S1 0.15 EFTS OL, OC 18 points
The fundamentals of food microbiology and its importance to the community, food preservation, food allergies, food-borne infections, the microbiological analysis of foods including data interpretation. P MICR 221
SC Science

MICR 332 Health Microbiology
S2 0.15 EFTS OL, OC 18 points
Disease mechanisms of key microbial pathogens, including bacteria, protozoa and fungi. Treatment and control of microbial diseases. Role of the human microbiome and commensals in health and disease. P MICR 223
RP MICR 221
SC Science

MICR 334 Advanced Immunology
S1 0.15 EFTS OL, OC 18 points
Mechanisms of immune activation and tolerance, molecular immunology, allergy, autoimmunity, immunodeficiency, immunoneuroendocrinology, tumour immunotherapy and transplant immunology. Tools for tumour immunotherapy, fluorescent cell sorting, lymphocyte activation, cytokotoxicity and cytokine assays. P MICR 223
RP MICR 221
SC Science

MICR 335 Molecular Microbiology
S1 0.15 EFTS OL, OC 18 points
The bacterial nucleoid and its influence on gene expression. Molecular mechanisms by which bacteria adapt to environmental change. Regulation of gene expression by proteins and small RNAs. Riboswitches. Bacterial RNA maturation. P MICR 221 or GENE 221
SC Science

MICR 336 Microbial Ecology
S2 0.15 EFTS OL, OC 18 points
Ecology of microbial communities (human/environmental settings), what they do, and how we study them, focusing on microbial diversity, rare biosphere and microbial dark matter with their links to ecosystem functions. P (MICR 221 or GENE 221 or BIOL 221) and MICR 222
SC Science

MICR 337 Virology
S2 0.15 EFTS OL, OC 18 points
Molecular aspects of viral entry, replication, and assembly in host cells. Mechanisms by which viruses manipulate the hosts to multiply and cause disease. P MICR 221 or 223 or GENE 221
SC Science

MICR 360 Research Perspectives
FY 0.15 EFTS OL, OC, DP 18 points
Tutorial-based paper covering contemporary topics in Microbiology and Immunology. Designed to develop skills required for the critical analysis of the scientific literature and for effective oral and written communication. SC Science
Note: Normally for students intending to enter 400-level postgraduate study in Microbiology or Immunology. Head of Department approval required.

MICR 461 Molecular Microbiology
S1 0.1667 EFTS OL, OC, DP 20 points
The molecular mechanisms by which bacteria adapt to bacterial nucleoid and its influence on gene expression. SC Science

MICR 462 Microbiology and Immunology Research FY 0.1667 EFTS OL, OC, DP 20 points
PT GPDSci, MSc

MICR 463 Trends in Microbiology
S2 0.1667 EFTS OL, OC, DP 20 points
A supervised project involving research and leading to the production of a research report. PT GPDSci

MICR 480 Research Project FY, N1 0.3333 EFTS OL, OC, DP 40 points
A supervised project involving original research and leading to the production of a dissertation. PT GPDSci

MICR 490 Dissertation FY 0.5 EFTS DP 60 points
A supervised project involving original research and leading to the production of a dissertation. Normally taken by students in the years prior to a Master's degree by papers and thesis. PT MSc
Note: This paper will be offered during a non-standard period from 6 July 2020 to 18th June 2021.

MICR 495 Master's Thesis Preparation FY 0.3333 EFTS DP 40 points
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the years prior to a Master's degree by papers and thesis. PT MSc
Note: This paper will be offered during a non-standard period from 6 July 2020 to 18th June 2022.

Ministry

MINS 405 Special Topic S1 0.1667 EFTS OL, DL 20 points
R MINS 405
LT (BA(Hons), PG DipArts, PG CerEnt, PG Dip Ch, MChap, BTheol(Hons), PG Dip Theol, MTheol, PG Dip Min, Min)

MINS 406 Theological Perspectives on Leadership S2 0.1667 EFTS OL, DL 20 points
Critical theological reflection on the nature of leadership, focusing on understandings and models of effective leadership, and the nature of congregations and other faith-based organisations as social and religious communities. R MINS 406
LT MMin, PG Dip Min, PG Dip FBLM, MFBLM

MINS 407 Preaching and Communication in a Contemporary Context NO 0.1667 EFTS OL, DL 20 points
An exploration of communication issues that affect congregations and ministry organisations today, including interpreting the Bible and preaching in an increasingly secular world, as well as digital and online communication. R PAS 311, PAS 313
LT MMin, PG Dip Min, PG Dip Theol, BTheol(Hons)

MINS 408 Cultures, Migration and Faith S1 0.1667 EFTS OL, DL 20 points
An exploration of mission and ministry in a diverse society, including understanding cultures, migration patterns, generational challenges, refugee issues, intercultural connections and bicultural commitments from the perspective of Christian faith. R PAST 314
LT (BA(Hons), PG Dip Arts, PG CerChap, PG Dip Chap, MChap, PG Dip FBLM, MFBLM, BTheol(Hons), PG Dip Theol, MTheol, PG Dip Min, Min)
Note: May not be credited together with PAX 308 or MINS 405 passed in 2012.

MINS 409 Chaplaincy Studies (Advanced) S1 0.1667 EFTS OL, DL 20 points
The practice of chaplaincy in diverse settings within contemporary New Zealand along with listening skills, theology of chaplaincy, and self-care. R PAST 317
LT (BA(Hons), PG Dip Arts, PG CerChap, PG Dip Chap, MChap, BTheol(Hons), PG Dip Theol, MTheol, PG Dip Min, Min)
Note: May not be credited together with PAX 206 or PAX 308 passed in 2012 or 2014

MINS 410 Pastoral Care in Dying, Grief and Loss S2 0.1667 EFTS OL, DL 20 points
The role of chaplains, ministers and other caregivers in situation of death, dying and loss, and the ways they can facilitate a healthy grieving process. R PAST 318
LT (BA(Hons), PG Dip Arts, PG CerChap, PG Dip Chap, MChap, BTheol(Hons), PG Dip Theol, MTheol, PG Dip Min, Min)

MINS 411 Chaplaincy in Diverse Contexts NO 0.1667 EFTS OL, DL 20 points
The role of the chaplain in diverse contexts, with particular emphasis on the forms of traumatic stress that chaplains deal with in each setting. R PAST 320
LT (BA(Hons), PG Dip Arts, PG CerChap, PG Dip Chap, MChap, BTheol(Hons), PG Dip Theol, MTheol, PG Dip Min, Min)

MINS 412 Church in Mission: Theology in Changing Cultures (Advanced) NO 0.1667 EFTS OL, DL 20 points
A theologically rigorous and culturally informed understanding of re-forming Christian communal identity, bringing together perspectives of global theology, contemporary cultures and ecclesial study in a critical and constructive dialogue. R PAST 320

MINS 413 Missional God, Missional People (Advanced) NO 0.1667 EFTS OL, DL 20 points
Scripture’s story of the missional God and the ways that themes such as call, blessing and liberation have been reimagined and lived out by God’s people. R PAST 321
Note: May not be credited together with PAST 308 or MINS 405 passed in 2014.

MINS 414 Arts and Cultures in Christian Ministry and Mission (Advanced) NO 0.1667 EFTS OL, DL 20 points
The role of the arts in expressing, shaping, nourishing and critiquing Christian faith, including how the arts in different theological traditions might enrich Christian ministry and mission. R PAST 322

MINS 590 Research Project FY 0.5 EFTS OL, DL 60 points
Supervised individual research on an approved topic. R MINS 590
LT MChap, PG Dip FBLM, MFBLM, MMin, PG Dip Min
Note: With approval from the Head of Department, MINS 590 may also be taken on a part-time and/or part-year basis.

Molecular Basis of Health and Disease

See Biomedical Sciences programme requirements (page 94).
Molecular Biotechnology
See Applied Sciences programme requirements (page 77).

Musculoskeletal Medicine

MSME 701 Clinical Diagnosis
S1: 0.125 EFTS OL, DL, DP 15 points
Clinical diagnosis and evaluation of patients with musculoskeletal pain and dysfuncion. Emphasis is on learning musculoskeletal clinical examination and diagnostic skills, with an evidence-based approach to the use of manual skills and clinical tests. This paper is restricted to medical graduates, and is a prerequisite for MSME709. 9-day on-campus course.
R: MSX 701
LT PGCertMusM, PGDipMusM, PGDipHealSc, MHealSc
L Christchurch

MSME 702 Musculoskeletal Tissues
NO (2021) 0.125 EFTS OL, DL 15 points
An evaluation of the normal and abnormal structure and function of neuromusculoskeletal tissues. Includes the anatomy, histology,physiology and pathology of these tissues.
LT MHealSc, PGCertHealSc, PCertMusM, PGDipHealSc, MHealSc
L Christchurch

MSME 703 Musculoskeletal Disorders
NO (2021) 0.125 EFTS OL, DL 15 points
Clinical evaluation, assessment and management of a wide range of musculoskeletal disorders. Focuses on a clinical approach to musculoskeletal problems as they present in primary care.
LT MHealSc, PGCertHealSc, PCertMusM, PGDipHealSc, MHealSc, MHealSc
L Christchurch

MSME 704 Introduction to Pain
S1: 0.125 EFTS OL, DL 15 points
An overview of the current understanding of pain as a multi-dimensional phenomenon, including: pain concepts and history; the neuropathophysiology of peripheral and central pain mechanisms; pain measurement; and the psychological, social and economic aspects of both acute and chronic pain.
R: MSX 704
LT MHealSc, PCertHealSc, PGCertMusM, PDipHealSc, MHealSc, PDipMusM, PDipPhy, MPhty
L Christchurch

MSME 705 Regional Disorders – Spine
S1: 0.125 EFTS OL, DL 15 points
An evaluation of the structure, function, disorders, and diseases of the vertebral column and its associated tissues. Includes an overview of anatomy, biomechanics, pathology, clinical assessment and treatment options.
LT MHealSc, PCertHealSc, PCertMusM, PGDipPhy, PDipHealSc, MHealSc, PDipMusM, PDipPhy, MPhty
L Christchurch

MSME 706 Regional Disorders – Limbs
S1: 0.125 EFTS OL, DL 15 points
An evaluation of the structure, function, disorders and diseases of the limbs. Includes an overview of anatomy, biomechanics, pathology, clinical assessment and treatment options.
LT MHealSc, PCertHealSc, PCertMusM, PDipPhy, PDipHealSc, MHealSc, PDipMusM, PDipPhy, MPhty
L Christchurch

MSME 707 Musculoskeletal Management
NO (2021) 0.125 EFTS OL, DL 15 points
Focuses on the prevention and rehabilitation of musculoskeletal disorders. Includes an overview of the principles of epidemiology, critical understanding and analysis of research, clinical decision analysis, and clinical epidemiology.
LT MHealSc, PGCertHealSc, PCertMusM, PDipHealSc, MHealSc, PDipMusM, PDipPhy, MPhy

MSME 708 Introduction to Pain Management
S2: 0.125 EFTS OL, DL 15 points
Current understanding of the best practice principles for the management and treatment of all forms of musculoskeletal pain and dysfunction, including modern psychosocial approaches to pain therapy.
R: MSX 708
LT MHealSc, MPhty, PGCertMusM, PCertHealSc, PCertMusM, PDipHealSc, PDipMusM, PDipPhy
L Christchurch

MSME 709 Clinical Therapeutics
S2: 0.125 EFTS OL, DL 15 points
This paper is a progression from MSME701. This is an on-campus, hands-on course, designed to teach postgraduate medical students specific practical clinical skills in the treatment of musculoskeletal disorders, including the assessment of efficacy according to the current evidence-based principles.
P: MSME 701 or MSX 701
R: MSX 709
LT PGCertMusM, MHealSc, PGDipHealSc, L Christchurch

MSME 710 Recreational and Sports Injuries
S1: 0.125 EFTS OL, DL 15 points
The management and treatment of musculoskeletal injuries and disorders associated with recreational and sporting pursuits. This includes the epidemiology, biomechanics, and classification of sports injuries, and the principles of injury assessment, treatment and rehabilitation.
LT MHealSc, PGCertMusM, PCertMusM, PGDipHealSc, PDipMusM, PDipPhy, MPhty
L Christchurch

MSME 711 Pain Assessment
S1: 0.125 EFTS OL, DL 15 points
Clinical pain assessment in the context of New Zealand society: principles, procedures and physical resources. The economic and health effect of pain on the New Zealand workforce.
LT MHealSc, MPhty, PGCertMusM, PGDipMusM, PGDipHealSc, L Christchurch

Music

MUSI 101 Materials of Music 1
S2: 0.15 EFTS OL 18 points
An introduction to the materials of music, advancing students’ understanding of scales, modes, chords, rhythm and musical structure, illustrated with examples drawn from a wide range of music.
SC Arts and Music

MUSI 102 Music in Western Culture
NO (2021) 0.15 EFTS OL 18 points
The study of European art music from the Middle Ages to the twentieth century in its historical and cultural contexts.
SC Arts and Music

MUSI 103 Popular Music
S1: 0.15 EFTS OL 18 points
An overview of popular music with studies in the role and function of music in popular culture in global context. (No prior musical knowledge required.)
SC Arts and Music

MUSI 104 World Music
S2: 0.15 EFTS OL 18 points
An exploration of the music of traditional, popular and contemporary musics in their cultural context. (No prior musical knowledge required.)
SC Arts and Music

MUSI 105 Music Matters
NO 0.15 EFTS OL 18 points
Perspectives of music in global, historical and cultural context. Students learn why music matters in modules covering diverse themes and musical styles.
SC Arts and Music
Note: No prior musical knowledge required.

MUSI 131 Composition 1
FY 0.15 EFTS OL, OC 18 points
A paper in creative music that caters for students with previous experience in composition. Students work towards producing a portfolio of compositions, including modules on vocal composition and film music. The ability to note music accurately is essential for this paper.
SC Arts and Music

MUSI 132 Music Technology 1
ES 0.15 EFTS OL, OC 18 points
An introduction to the technology of music, including computers and music software, sequencing, editing and recording techniques.
SC Arts and Music

MUSI 135 Songwriting
FY 0.15 EFTS OL, OC 18 points
The development of songwriting skills including lyric writing, structure and composition techniques across a wide range of popular music styles.
SC Arts and Music

MUSI 140 Performance Studies 1
ES, FY 0.15 EFTS OC, DP 18 points
Tuition to develop performance skills in a solo instrument or voice, a second instrument or voice, or an approved popular music, music or World Music Option (either Gamelan, Taiko, Taonga pūoro or Scottish piping or drumming). Solo study students will develop skills for possible entry to MUSI141 or MUSI240.
SC Arts and Music
Notes: (i) Admission to the paper in a solo instrument by audition, evidence of ability as a performer is required, and admittance is subject to teacher’s availability (see MusB degree regulations). For information regarding auditions please contact spa@otago.ac.nz. (ii) No audition is required for World Music Options. (iii) The paper can lead to MUSI140 but not to MUSI241. (iv) May not be taken in the same year as MUSI 141 (except in the World Music Option) and cannot be credited to a degree if MUSI 141 has already been passed in the same instrument or voice.

MUSI 141 Performance 1
FY 0.3 EFTS OC, DP 36 points
The development of specialised performance skills in music through individual tuition and workshops.
SC Arts and Music
Notes: (i) Evidence of ability as a performer is required. Entry is by audition (see MusB degree regulations). (ii) May not be taken at the same time as MUSI 140 (except in the world music ensemble performance option).

MUSI 146 Contemporary Music Performance 1
FY 0.3 EFTS OC, DP 36 points
The development of modern musicianship skills necessary to enter and maintain a career in all facets of the popular and commercial music industry.
R: MUSI 145
SC Arts and Music
Note: Evidence of ability as a performer is required. Entry is by audition (see MusB degree regulations).

MUSI 191 Taiko, Taonga pūoro, Materials of Music 2
S1: 0.15 EFTS OL, OC 18 points
Entry is by audition (see MusB degree regulations). (ii) May not be taken at the same time as MUSI 141 (except in the World Music Option) and cannot be credited to a degree if MUSI 141 has already been passed in the same instrument or voice.
SC Arts and Music
Notes: (i) Admission to the paper in a solo instrument is by audition, evidence of ability as a performer is required, and admittance is subject to teacher’s availability (see MusB degree regulations). For information regarding auditions please contact spa@otago.ac.nz. (ii) No audition is required for World Music Options. (iii) The paper can lead to MUSI140 but not to MUSI241. (iv) May not be taken in the same year as MUSI 141 (except in the World Music Option) and cannot be credited to a degree if MUSI 141 has already been passed in the same instrument or voice.

MUSI 201 Materials of Music 2
S1 0.15 EFTS OL, OC 18 points
The nature of musical elements, looking at ways they can be used and drawing on examples from a range of musical styles.
P: MUSI 101
SC Arts and Music

Key:
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; NOX: not offered, expected, offered to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LP: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C: L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
Note: MUSI 156 must be passed with a grade of at least C+.

A study of selected significant musical styles and composers of Classical Western art music, with special emphasis upon the development of new musical languages within music history.

P MUSI 132 and 18 200-level points
SC Arts and Music

MUSI 232 Music Technology 2
S2 0.15 EFTS OL, OC 18 points
Industry-standard music software incorporating digital audio and sound design, sampling and sequencing, is introduced in detail. The skills taught will be of use to composers, songwriters, arrangers and those interested in music production.

P MUSI 132 and 18 200-level points
SC Arts and Music

Creative music composition, including songwriting, music for film and theatre, arranging and writing idiomatically for instruments.

P MUSI 101 and either (MUSI 131 or 135)
R MUSI 231, 235
SC Arts and Music

Note: Students who have not taken MUSI 132 should demonstrate prior knowledge of Logic, Pro-Tools or Ableton before commencing the paper. Contact lecturer Mr David Harrison (david.harrison@otago.ac.nz) to arrange a demonstration.

MUSI 234 Contemporary Composition
FY 0.15 EFTS OL, OC 18 points
Tuition to develop performance skills in a solo instrument or voice, a second instrument or voice, or an approved popular music or world music context.

P MUSI 140 (passed with a grade of at least C+)
SC Arts and Music

Note: (i) Entrance to MUSI 240 requires Departmental Permission. (ii) Admissitance is subject to teacher’s availability. (iii) May not be taken in the same year as MUSI 241 (except in the world music ensemble performance option). (iv) This paper is only offered if MUSI 241 has already been passed in the same instrument or voice. (v) Cannot be taken in the same instrument or voice as MUSI 241.

MUSI 240 Performance Studies 2
ES, FY 0.15 EFTS OC, DP 18 points
The development of specialised performance skills in music through individual tuition and workshops.

P MUSI 101, 141
LT MusB

Note: At least a C+ pass must be gained in MUSI 141.

MUSI 246 Contemporary Music Performance 2
FY 0.3 EFTS OC, DP 36 points
The development of modern musicianship skills necessary to enter and maintain a career in all facets of the popular and commercial music industry.

P MUSI 101 and MUSI 146 with a grade of at least C+.
R MUSI 245
LT MusB, BPA

Note: MUSI 156 must be passed with a grade of at least C+.

MUSI 247 Blues, Rock and Jazz: The Art of Jamming
NO 0.15 EFTS OL, OC 18 points
Development of practical performance skills on an instrument or voice in the art of improvising in Blues, Rock n Roll, and Jazz styles.

P One of MUSI 140, 141, 146, 156, PERF 102, 103
SC Arts and Music

Note: Students who have not passed one of MUSI 140, 141, 146, 156, PERF 102 or PERF 103 may be admitted on the basis of equivalent practical musical experience.

MUSI 249 Contemporary Vocal Pedagogy: How to Teach Contemporary Voice
SS 0.15 EFTS OC 18 points
This paper equips singers with scientific knowledge on the voice and demonstrates how to teach safely and effectively. The paper encompasses vocal anatomy and physiology, practical techniques and critical listening.

P 36 200-level MUSI or PERF points
R MUSI 369

MUSI 259 Special Topic
NO 0.15 EFTS OL, OC 18 points
The techniques and skills of conducting including gesture, rehearsal technique and score analysis.

P MUSI 101 or 110
SC Arts and Music

Note: Students who have not passed MUSI 101 or 110 may be admitted on the basis of equivalent musical knowledge.

MUSI 260 Special Topic David Bowie
NO 0.15 EFTS OL, OC, DP 18 points

P 18 100-level points
SC Arts and Music

MUSI 261 Music and Visual Culture
S1 0.15 EFTS OL, OC 18 points
Theories, methods and subject material of music iconography. An introduction to representations of music and musicians in art from Classical times to the modern day, using current debates within the discipline of music iconography and the application of critical judgements to methods and approaches.

P 36 points
R MUSI 361
SC Arts and Music

MUSI 265 Music and Theatre
S1 0.15 EFTS OL, OC 18 points
A study of the relationship between music and theatre in historical and contemporary contexts. Emphasis is given to the analysis of performances as text, and the study of the practical function of music and theatre synergies.

P 36 100-level points
R MUSI 365
SC Arts and Music

MUSI 266 Film Music
NO (2021) 0.15 EFTS OL, OC 18 points
A critical examination of film music from the late nineteenth century to the present day, including film music genres, composers and styles.

P 36 100-level points
R MUSI 366
SC Arts and Music

MUSI 267 Music in New Zealand
NO (2021) 0.15 EFTS OL, OC 18 points
The study of historical and contemporary music in New Zealand from a social and cultural perspectives.

P 36 100-level MUSI points
R MUSI 367
SC Arts and Music

MUSI 268 Performance in Asia and the Pacific
NO 0.15 EFTS OL, OC 18 points
A study of the musical diversity of Asia and the Pacific with focus on performance in Japan, Indonesia, Polynesia and Melanesia. Includes playing experience on select instruments.

P 36 100-level points
R MUSI 226, 228, 326, 328, 368
SC Arts and Music

Note: No prior musical knowledge required.

MUSI 269 Popular Music 2
S2 0.15 EFTS OL, OC 18 points
A critical study of the global phenomenon of popular music.

P 36 100-level points
R MUSI 369
SC Arts and Music

MUSI 301 Materials of Music 3
S2 0.15 EFTS OL, OC 18 points
An in-depth study of micro- and macro-structures of music, including analysis and criticism of post-tonal music, and incorporating examples from a wide variety of genres.

P MUSI 201
R MUSI 401
SC Arts and Music

MUSI 303 Music and the Internet (Advanced)
NO 0.15 EFTS OL, OC 18 points
Issues and concepts relevant to the relatively recent but hugely significant phenomenon of music and the internet.

P 36 200-level points
R MUSI 203
SC Arts and Music

MUSI 323 Classical Music
S2 0.15 EFTS OL, OC 18 points
A study of selected significant musical styles and composers of Classical Western art music, with special emphasis upon the development of new musical languages within music history.

P MUSI 102 and (MUSI 201 or 301)
R MUSI 223
SC Arts and Music

MUSI 331 Composition Projects
FY 0.3 EFTS OL, OC 36 points
A paper in creative music that develops skills in the student’s area of interest.

P MUSI 231 (no longer offered), 235 (no longer offered) or 234
LT MusB, BPA

MUSI 332 Music Technology 3
S1 0.15 EFTS OL, OC 18 points
A detailed introduction to industry-standard sound reinforcement and recording technology. The skills taught will be of use to composers, songwriters, arrangers, and those interested in music production in the context of live sound reinforcement, as well as the professional recording studio environment.

P MUSI 232
SC Arts and Music

MUSI 333 Electronic Music Production (Advanced)
S1 0.15 EFTS OL, OC 18 points
Development of computer-based electronic music production skills and techniques using industry-standard software and equipment.

P MUSI 132 and 18 200-level points
SC Arts and Music

Note: Students who have not taken MUSI 132 should demonstrate prior knowledge of Logic, Pro-Tools or Ableton before commencing the paper. Contact lecturer Mr David Harrison (david.harrison@otago.ac.nz) to arrange a demonstration.

MUSI 334 Studio Production Projects
S2 0.15 EFTS OL, OC 18 points
An advanced paper in practical production and research projects, including production for music performance, new media and recorded works.

P MUSI 332

MUSI 340 Performance Studies 3
ES, FY 0.15 EFTS OC, DP 18 points
Tuition to develop performance skills in a solo instrument or voice, a second instrument or voice, or an approved popular music or world music context.

P MUSI 240 or MUSI 241 (passed with a grade of at least B+)
SC Arts and Music

Note: (i) Students wishing to apply for MUSI 340 must do so via Departmental Permission. (ii) Admissitance is subject to teacher’s availability. (iii) May not be taken in the same year as MUSI 341 (except in the world music ensemble performance option) and cannot be credited to a degree if MUSI 341 has already been passed in the same instrument or voice as MUSI 341. (iv) For information regarding auditions, please contact spa@otago.ac.nz.

MUSI 341 Performance 3
FY 0.3 EFTS OC, DP 36 points
The development of specialised performance skills in music through individual tuition and workshops.

P MUSI 241 (passed with a grade of at least B+)
LT MusB, BPA

Note: May not be taken in the same year as MUSI 348 for MusB or MusB(Hons).

Prescriptions
MUSI 346  Contemporary Music Performance 3
FY 0.3 EFTS  OC, DP  36 points
The development of modern musicianship skills necessary to enter and maintain a career in all facets of the popular and commercial music industry.
P  MUSI 246 (passed with a grade of at least B-)
R MUSI 345
LT MusB, IPA
MUSI 349  Contemporary Vocal Pedagogy: How to Teach Contemporary Voice
SS 0.15 EFTS  OC  18 points
This paper equips singers with scientific knowledge on the voice and demonstrates how to teach safely and effectively.
The paper encompasses vocal anatomy and physiology, practical techniques and critical listening.
P  36 200-level MUSI or PERF points
R MUSI 249
Note for MUSI 361, 365, 366, 375: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.
MUSI 361  Music and Visual Culture
S1 0.15 EFTS  OL, OC  18 points
Theories, methods and subject material of music iconography. An introduction to representations of music and musicians in art from Classical times to the modern day, using current debates within the discipline of music iconography and the application of critical judgements to methods and approaches.
P  18 200-level MUSI or ARTV, MUSI or VISC points
R MUSI 261
SC Arts and Music
MUSI 365  Music and Theatre
S1 0.15 EFTS  OL, OC  18 points
A study of the relationship between music and theatre in historical and contemporary contexts. Emphasis is given to the analysis of performances as text, and the study of the practical function of music and theatre synergies.
P  18 200-level MUSI, PERF or THEA points
R MUSI 265
SC Arts and Music
MUSI 366  Film Music
NO (2021) 0.15 EFTS  OL, OC  18 points
A critical examination of film music from the late nineteenth century to present day, including film music genres, composers and styles.
P  18 200-level MUSI or MFCO points
R MUSI 266
SC Arts and Music
MUSI 367  Music in New Zealand (Advanced)
NO (2021) 0.15 EFTS  OL, OC  18 points
The study of historical and contemporary music in New Zealand from analytical and cultural perspectives.
P  18 200-level MUSI points
SC Arts and Music
MUSI 368  Performance in Asia and the Pacific
NO 0.15 EFTS  OL, OC  18 points
A study of the musical diversity of Asia and the Pacific with focus on performance in Japan, Indonesia, Polynesia and Melanesia. Includes playing experience on select instruments.
P  36 200-level points
R MUSI 226, 228, 268, 326, 328
SC Arts and Music
Note: No prior musical knowledge required.
MUSI 369  Popular Music 3
S2 0.15 EFTS  OL, OC  18 points
A critical study of the global phenomenon of popular music.
P  36 200-level points
R MUSI 269
SC Arts and Music
MUSI 371  Research Methods and Approaches
S2 0.15 EFTS  OC  18 points
Examines a variety of approaches and methods used in the study of the world’s music.
P  36 200-level points
R MUSI 471
SC Arts and Music
MUSI 375  Studio Teaching Pedagogy
S1 0.15 EFTS  OL, OC  18 points
Explores the theoretical underpinnings of teaching and learning music in a private music teacher studio setting.
P  18 200-level MUSI points
SC Arts and Music
MUSI 386  Community Project
S1 0.15 EFTS  OC  18 points
Research project on a music topic in the community. Students apply research methods and knowledge to a research project of their own design.
P  36 200-level points
R MUSI 464
SC Arts and Music
MUSI 401  Materials of Music (Advanced)
S2 0.1667 EFTS  OL, OC  18 points
An in-depth study of macro and micro-structures of music, including analysis and criticism of post-tonal music, and incorporating examples from a wide variety of genres.
P  MUSI 201
R MUSI 301
MUSI 407  Seminal Works
NO 0.1667 EFTS  OL, OC  20 points
An interdisciplinary examination of seminal works drawn from Western art music and contemporary rock traditions.
P  MUSI 201 or 301
LT BA(Hons), MUSB(Hons), PGDipArts, PGDipMus
MUSI 431  Composition Portfolio
FY 0.5 EFTS  OL, OC  60 points
A paper in creative music in which students work towards a portfolio of their own compositions under staff supervision.
P  MUSI 331
LT MUSB(Hons), PGDipMus
MUSI 432  Studio Production
FY 0.5 EFTS  OL, OC  60 points
Popular music performance and creation as an amalgamation of advanced instrumental technique, composition, arrangement and technological skills.
P  MUSI 232 and one of MUSI 331, 341, 345, 346 (passed with a grade of at least B+)
LT MUSB(Hons), PGDipMus
Note: MUSI 341, 345 and 346 must be passed with a grade of at least B+.
MUSI 441  Performance 4
FY 0.5 EFTS  OC, DP  60 points
The development of advanced performance skills, culminating in a full-length public recital.
P  MUSI 341 (passed with a grade of at least B+)
LT MUSB(Hons), PGDipMus
Note: MUSI 341 must be passed with a grade of at least B+.
MUSI 442  Repertoire Studies
FY 0.1667 EFTS  OC, DP  20 points
A specialised course in repertoire study of a chosen composer/songwriter and/or stylistic area.
LT MUSB(Hons), PGDipMus, BA(Hons), PGDipArts
Note: Head of Department approval required.
MUSI 446  Contemporary Music Practice 4
FY 0.5 EFTS  OL, OC  60 points
Tuition to develop performance skills in a solo and ensemble instrumental or voice to an advanced level.
P  MUSI 346 (passed with a grade of at least B+)
LT MUSB(Hons), PGDipMus
Note: MUSI 346 must be passed with a grade of at least B+.
MUSI 471  Research Methods and Approaches (Advanced)
S2 0.1667 EFTS  OC  20 points
Examines a variety of approaches and methods used in the study of the world’s music.
P  36 200-level points
R MUSI 371
MUSI 486  Community Project (Advanced)
S1 0.1667 EFTS  OC  20 points
Research project on a music topic in the community. Students apply research methods and knowledge to a research project of their own design.
R MUSI 386
MUSI 490  Dissertation
FY 0.5 EFTS  OC  40 points
Supervised study of an approved topic in music, involving research and leading to the presentation of an essay or music edition of between 12,000 and 15,000 words.
P  One of MUSI 301, 320, 323, 365, 366, 369, 371, 386
LT BA(Hons), MUSB(Hons), PGDipArts, PGDipMus
MUSI 590  Research Dissertation
N1, N2 0.5 EFTS  OC, DL  60 points
A supervised research supervised study of up to 20,000 words on an approved topic.
LT MA

Music Technology
See minor subject requirements (page 102).

Nautical Studies
NAUT 101  Nautical Studies 1
S1 0.15 EFTS  OC, DP  18 points
A theoretical and practical introduction to nautical studies. Students will gain an understanding of, and develop a critical approach to, issues such as maritime law and regulations, in-shore navigation, and maritime communications. Practical issues such as health and safety at sea, and seamanship will also be covered.
SC Science
Notes: (i) Numbers for this paper are limited. (ii) Admission subject to departmental approval.
NAUT 201  Nautical Studies 2
S2 0.15 EFTS  OC  18 points
A theoretical and critical approach to nautical studies, aimed at giving an understanding of the operation and navigation of ocean-going vessels, taking into consideration construction, equipment, manoeuvrability and prevailing weather patterns.
PC NAUT 101
SC Science
Note: May not be credited together with SURV 326 passed in 2003 or 2004.

Neuroscience
NEUR 301  Current Topics in Neuroscience
S1 0.15 EFTS  OL, OC, DP  20 points
Recent advances and controversies in neuroscience research.
P  ANAT 242, PHSL 231, PSYC 211 and 18 200-level BIOC, GEN, PHAL or ZOOL points
SC Science
Note: Available only to selected Neuroscience students with approval from the Director, Neuroscience Programme.
NEUR 302  Special Topic
NO 0.15 EFTS  OL, OC, DP  18 points
In-depth studies of selected topics in neuroendocrinology.
P  PHSL 231
SC Science
Note: Intended for neuroscience students only.
NEUR 303  Neuroendocrinology
S1 0.15 EFTS  OL, OC  18 points
In-depth studies of selected topics in neuroendocrinology.
P  ANAT 242 and PHSL 231
SC Science
Note: May not be credited together with NEUR 302 passed in 2017 or 2018.
NEUR 452 Neurodegenerative Disorders  
FY 0.1667 EFTS OL, OC, DP 20 points  
Selected topics relating to the causes of neurodegenerative diseases.

NEUR 453 Applied Human Neuroscience  
S1 0.1667 EFTS OL, OC, DP 20 points  
Exploration of how experimental neuroimodulation can be used to support or refute current concepts of pathophysiology in clinical and human neuroscience.  
Note: May not be credited together with NEUR 463 passed in 2016 or 2017 or with NEUR 472 passed in 2018.

NEUR 455 Sleep  
FY 0.1667 EFTS OL, OC, DP 20 points  
The physiology of sleep, sleep and circadian rhythms, and sleep and daytime performance.

NEUR 457 Developmental Neuroscience  
NO 0.1667 EFTS OL, OC, DP 20 points  
Selected topics in the development and repair of the vertebrate nervous system.

NEUR 459 Neuroendocrinology  
FY 0.1667 EFTS OL, OC, DP 20 points  
Control of the endocrine system by the brain and the reciprocal effects of hormones on brain structure and function.

NEUR 461 Clinical Neurology  
NO 0.1667 EFTS OL, OC, DP 20 points  
An introduction to neurological diseases for neuroscience students.

NEUR 462 Topics in Neuroscience  
FY 0.1667 EFTS OL, OC, DP 20 points  
Note: Please contact the Neuroscience Programme Office (neuroscience@otago.ac.nz) before enrolling for this paper.

NEUR 463 Topics in Neuroscience  
ES 0.1667 EFTS OL, OC, DP 20 points  
LT BSC(Hons), PGDipSci, MSc  
Note: Please contact the Neuroscience Programme Office (neuroscience@otago.ac.nz) before enrolling for this paper.

NEUR 472 Special Topic  
S1 0.0833 EFTS OL, OC 20 points  
A supervised project involving research and leading to the production of a research report.

NEUR 480 Research Project  
FY 0.3333 EFTS OL, OC 40 points  
A supervised project involving research and leading to the production of a dissertation.

NEUR 490 Dissertation  
FY, NO 0.5 EFTS OL, OC, DP 60 points  
A supervised project involving original research and leading to the production of a dissertation.

NEUR 495 Master's Thesis Preparation  
FY 0.3333 EFTS OL, OC, DP 40 points  
LT MSc

Nursing  

NURS 403 Mental Health Nursing Practice  
S1 0.25 EFTS OL, DL 30 points  
Provision of a theoretical basis for mental health nursing through the use of a problem-based learning approach, and the incorporation of critical social theory as a basis for reflection on mental health nursing practice.  
R NURX 403  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 404 Advanced Mental Health Nursing Practice  
NO (2021) 0.25 EFTS OL, DL 30 points  
Advanced clinical practice in a mental health nursing context. Critique of practice and the application of research and theoretical principles to mental health nursing practice.  
P NURS 403 or NURX 403  
R NURX 404  
LT MHealSc, PGCertHealSc, PGDipHealSc  
Note: Students must have had at least two years’ clinical experience in a mental health context.

NURS 405 Health Assessment and Advanced Nursing Practice  
S1 0.25 EFTS OL, DL 30 points  
Enables the registered nurse to demonstrate health assessment knowledge and skills to meet the competencies required for advanced nursing practice. A period of mentored practice will integrate physical, psychosocial assessment and pathophysiology in the nurse’s specialty area.  
R NURX 405  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 409 Mental Health Nursing Practice  
S2 0.25 EFTS OL, DL 30 points  
Practice offers a clinical and knowledge and skills for specialist mental health nursing and mental health care delivery. Critique of practice and application of research and theoretical principles to mental health nursing practice.  
R NURX 409  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch  
Note: Limited to nurses with no more than six months clinical experience in a mental health specialty.

NURS 411 Nursing - High Acuity  
S2 0.25 EFTS OL, DL 30 points  
Professional skills and knowledge related to clinical competence in areas such as high dependency, critical care and emergency nursing.  
R NURX 411  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 413 Primary Health Care Nursing – Rural/Urban  
S2 0.25 EFTS OL, DL 30 points  
This paper addresses specialist knowledge, problem-solving skills and technical competence in the area of primary health care nursing. It involves critique of practice and the application of research and theoretical principles to attain best practice standards. Students determine their focus as rural or urban studying their own scope of practice.  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 415 Nursing Research Methods  
S1 0.25 EFTS OL, DL 30 points  
An advanced research methods paper designed to provide students with a working knowledge of a range of methods and analyses used in the field of nursing research. Content will include both qualitative and quantitative methodologies and address research ethics.  
R NURX 415  
LT MHealSc, PGDipHealSc  
L Christchurch

NURS 416 Nursing - Applied Pharmacology  
S2 0.25 EFTS OL, DL 30 points  
Covers biosciences and pharmacology informing registered nurse practice. Provides registered nurses with legal, ethical, prescribing and drug administration frameworks as described by the Nursing Council of New Zealand.  
R NURX 416  
LT MHealSc, PGDipHealSc  
L Christchurch

NURS 418 Nursing Education – Principles and Practice  
S2 0.25 EFTS OL, DL 30 points  
Addresses the principles of education theory and practice related to clinical and nursing education settings. Pedagogical approaches are introduced and the socio-political foundations for nursing education are evaluated.  
R NURX 418  
LT MHealSc, PGDipHealSc  
L Christchurch

NURS 423 Nursing – Leadership and Management 1  
S2 0.25 EFTS OL, DL 30 points  
An introduction to contemporary theories of leadership and management as integrated into the discipline of nursing, including the changing health care environment, the tasks of nursing management, the process of nursing leadership, and cultural safety and nursing leadership in New Zealand.  
R NURX 423  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 424 Nursing – Leadership and Management 2  
S2 0.25 EFTS OL, DL 30 points  
The application of theoretical knowledge, using cases to examine quality in the health care environment, strategic management for the nurse leader and the process of nursing leadership.  
P NURS 423 or NURX 423  
R NURX 424  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 426 Nursing – Gerontology  
S2 0.25 EFTS OL, DL 30 points  
An applied practicum in the core knowledge of gerontology allied with a specialty practice focus in hospital, community and/or home nursing facilitating advanced nursing practice.  
P HASC 404, HASX 404, NURX 426  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 427 Long-term Conditions: Pathophysiology and Management  
S1 0.25 EFTS OL, DL 30 points  
Principles of effective long-term condition management, including pathophysiological concepts, for assessing the impact of chronic conditions and application with best practice clinical guidelines. Early detection, practice-based resources, patient self-management, and end of life care are addressed.  
R NURX 427  
LT MHealSc, PGCertHealSc, PGDipHealSc  
L Christchurch

NURS 429 Therapeutics for Advanced Nursing  
S2 0.25 EFTS OL, DL 30 points  
Consolidation of knowledge and skills for the Registered Nurse in physical and psychosocial assessment, pathophysiology, pharmacotherapeutics and diagnostic reasoning essential to safely prescribe and manage clients under supervision.  
P NURS 405, 416  
LT MHealSc, PGDipHealSc  
L Christchurch

NURS 431 Rural Nursing  
S2 0.25 EFTS OL, DL 30 points  
Explores the concept of rural nursing and advances theoretical knowledge and practical skills to facilitate practice in rural hospital and community settings.  
R NURX 431  
LT MHealSc, PGDipHealSc  
L Christchurch

NURS 433 Intellectual Disability: Theory into Practice  
NO (2021) 0.25 EFTS OL, DL 30 points  
The application of philosophical frameworks within practice to support individuals to optimise health, behavioural challenges and services access for people with intellectual disability across the lifespan.  
LT MHealSc, PGDipHealSc

NURS 434 Therapeutics: Knowledge and Integration  
S1 0.25 EFTS OL, OC 30 points  
This paper builds on prior learning to integrate conceptual frameworks in pharmaco and non-pharmacotherapeutic management. Students utilise physical and psychosocial assessment, differential diagnosis and clinical decision making for prescribing of medications, therapies, and applications.  
P NURS 416 or NURX 405  
L Christchurch  
Note: Study is concurrent with 150 hours of supervised clinical practice.

NURS 435 Evidence Based Nursing Practice  
S2 0.25 EFTS OL, DL 30 points  
Acquisition of critical appraisal skills to interpret research and new knowledge for making clinical decisions in order to implement evidence-based nursing for populations and individuals.  
LT MAdvNP  
L Christchurch  
Note: Nurse Practitioner preparation students intending to take NURS 435 in 2019 should contact the Centre for Postgraduate Nursing Studies for advice on enrolling via Special Permission.
Prescriptions

NURS 441 Professional Nursing
N1 0.125 EFTS OL, OC 15 points
The professional basis of nursing practice, nursing theory and related concepts for nursing.
LT MNSc L Christchurch

NURS 442 Health Care in New Zealand
N1 0.125 EFTS OL, OC 15 points
The context of health care in New Zealand; health strategy, policy, structure and global influences; rural/urban communities and population influences; the significance of the Treaty of Waitangi.
LT MNSc L Christchurch

NURS 443 Nursing Science 1
N1 0.125 EFTS OL, OC 15 points
Normal anatomy and physiological function across the lifespan with an introduction to pathophysiological processes, genetics, immunology and microbiology. Particular focus on scientific principles that align with students’ clinical placements.
LT MNSc L Christchurch

NURS 444 Nursing Science 2
N1 0.125 EFTS OL, OC 15 points
Extension of prior knowledge, using case-based approaches covering altered health states, complex pathophysiological processes (including cancers) and autoimmune diseases. Introduction to pharmacological principles, medications and polypharmacy relating to cases and clinical practice.
LT MNSc L Christchurch

NURS 445 Introduction to Clinical Nursing Practice
N1 0.125 EFTS OL, OC 15 points
Introduction to nursing skills for assessment, planning and ongoing healthcare across the lifespan. Foundational technological and skill acquisition for safe practice and application of clinical judgement and clinical reasoning.
LT MNSc L Christchurch

NURS 446 Nursing Clients with Altered Health States
N1 0.125 EFTS OL, OC 15 points
Nursing skills and knowledge in caring for people with an acute illness, acute exacerbation of existing illness, susceptibility to life-threatening conditions, including pre-, peri- and postoperative care.
P NURS 443, 445
LT MNSc L Christchurch

NURS 447 Applied Nursing Research
N1 0.25 EFTS OL, OC 30 points
A research methods paper providing methods, analyses and ethics used in nursing research. Content will include quantitative and qualitative methodologies. Includes a clinically applied fieldwork component.
LT MNSc L Christchurch

NURS 501 Nursing Science 3
N1 0.125 EFTS OL, OC 15 points
Integration of established science knowledge, pharmacokinetics and pharmacodynamics, informing clinical decisions. Study of cases emphasising integration of concepts, complexity and the holistic nature of care and interventions.
P NURS 441, 442, 444, 446
LT MNSc L Christchurch

NURS 502 Mental Health Nursing
N1 0.125 EFTS OL, OC 15 points
Nursing people who have a mental health condition.
P NURS 441, 442, 444, 446
LT MNSc L Christchurch

NURS 503 Nursing Clients with Complex Health States
N1 0.125 EFTS OL, OC 15 points
Nursing people with complex health needs, co-morbidity or disability. Knowledge and skills in applying appropriate models of care, including restorative, service integration across the continuum of care, and patient self-management.
P NURS 441, 442, 446
LT MNSc L Christchurch

NURS 504 Consolidation of Practice
N1 0.25 EFTS OL, OC 30 points
Extended period of clinical practice to demonstrate competency for entry to registered nurse practice.
P NURS 447, 501-503
C NURS 581
LT MNSc L Christchurch

NURS 530 Nurse Practitioner Prescribing Practicum
S2 0.25 EFTS OL, OC, DL 30 points
Registered Nurse Practitioner (RNP) competencies, drug utilisation assessment, diagnostic skills, clinical reasoning, applying treatments and consolidating prescribing practice under the guidance of an authorised prescriber.
P NURS 405 or 416
LT MNSc L Christchurch

NURS 531 Clinical Research Project
ES 0.25 EFTS OL, OC, DL 30 points
Supervised research to design, implement and evaluate a clinical project in a relevant field. Students evaluate research findings, best practice principles and utilise theoretical frameworks to effect successful implementation.
LT MNSc L Christchurch

NURS 580 Nursing Research Project
N1 0.25 EFTS OL, OC 30 points
Completion of a supervised research project demonstrating independent study.
P NURS 441-447
C LT MNSc L Christchurch

NURS 581 Integration of Nursing Theory and Practice
N1 0.125 EFTS OL, OC 15 points
Completion of an in-depth case study demonstrating application of nursing frameworks and integration of theory, research and practice.
P NURS 447, 501-503
C NURS 504
LT MNSc L Christchurch

NURS 590 Dissertation
ES, FY, N1 0.5 EFTS OL, OC 60 points
A supervised dissertation presenting the results of an original study on a topic relevant to nursing.
LT MHealSc L Christchurch

Nutrition and Metabolism in Human Health
See Biomedical Sciences programme requirements (page 94)

Nutrition Communication
See minor subject requirements (page 102)

Key
$1$: first semester; $2$: second semester; $ES$: each semester; $FY$: full year; $SS$: Summer School; N1-6: non-standard periods; $NO$: not offered in 2020; $NOX$: not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PG: Prerequisite or corequisite; R: Restriction; LT: Limited to: RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from, if no location mentioned; paper is taught at, or from, Dunedin.
See page 108 for more information. U: Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers

Obesity Prevention and Management

OBPM 401 Medical and Surgical Management of Obesity
S1 0.125 EFTS OL, DL 15 points
LT PGCertPHC, PGDiipHealSc, PGDiipPhC, PGDiipPhy, PGDiipSEM, MHealSc, MPhy

OBPM 402 Psychosocial Factors in Obesity Prevention and Management
S2 0.125 EFTS OL, DL 15 points
A broad look at the obesogenic environment from a governmental sociological perspective to the individual’s psychological risk factors, with particular reference to Maori and Pasifika.
LT PGCertPHC, PGDiipHealSc, PGDiipPhC, PGDiipPhy, PGDiipSEM, MHealSc, MPhy

OBPM 403 Childhood and Youth Obesity Prevention and Management
NO 0.25 EFTS OL, DL 30 points
Comprehensive coverage of obesity prevention and management in the child and adolescent populations, which have unique considerations compared with the adult population.

Obstetrics and Medical Gynaecology

Notes for OBGY 712-716: (i) This paper is designed for the continuing professional education of health professionals involved in the provision of women’s health care, and is also a compulsory paper for the Postgraduate Diploma in Obstetrics and Medical Gynaecology. (ii) Limited to 30 students per semester. (iii) For more information: www.otago.ac.nz/womens-health-postg

OBGY 712 Pre and Early Pregnancy Care
N1, N2 0.15 EFTS OL, DL, DP 18 points
Contraception, pre-pregnancy counselling, antenatal education, the provision of antenatal care, early pregnancy complications to include miscarriage, ectopic pregnancy, hyperemesis, grief reaction, fetal abnormality, differential diagnosis of lower abdominal pain in early pregnancy.
R OBGY 712 LT PGCertWHlt, PGDiipOMG

OBGY 713 Pregnancy Care in the Community
N1, N2 0.15 EFTS OL, DL, DP 18 points
Content and rationale of antenatal and postnatal visits, relevant anatomy and physiology of pregnancy, hypertension in pregnancy, medical disorders of pregnancy, bleeding in pregnancy, thrombophilies in pregnancy, malpresentations late in pregnancy, obstetric trauma, episiotomy, breast feeding, common and important disorders of the perinatal period, well baby check, common neonatal disorders to include jaundice, respiratory distress, seizures, infection, intracranial bleeding, hypothermia.
R OBGY 713 LT PGCertWHlt, PGDiipOMG

OBGY 715 Medical Gynaecology I
N1, N2 0.15 EFTS OL, DL, DP 18 points
Well women care, fertility regulation, screening in women’s health, menstrual disorders, abnormal vaginal bleeding, vaginal discharge, vulval disorders, pelvic pain, climacteric and hormone replacement.
R OBGY 715 LT PGCertWHlt, PGDiipOMG

OBGY 716 Medical Gynaecology II
N1, N2 0.15 EFTS OL, DL, DP 18 points
Urinary incontinence, prolapse, malignancy of the genital tract, adolescent gynaecology, domestic violence, sexual assault, termination of pregnancy, infertility and quality assurance.
R OBGY 716 LT PGCertWHlt, PGDiipOMG
An exploration of topical global and local oceanographic, chemical and geological issues important for understanding and managing the marine environment.

Marine Geology and Geophysics

Ocean Physics and Modelling

Oceanography

OCEN 301 Practical and Field Oceanography
S1 0.15 EFTS OL, OC 18 points
Methods and techniques in field and laboratory ocean science, including research planning and study design, field sampling and data collection, modelling, scientific writing, and presentation of results. Includes a mid-semester field trip.

OPHT 801 Practical Ophthalmic Basic Sciences
Short Course 0.25 EFTS OL, DL 30 points
The practical application of the principles of ophthalmic optics, anatomy and physiology to current and future ophthalmic clinical practice, including the use of equipment designed to assess or measure the functioning of the human eye, anatomical specimens, procedures and models to illustrate the ocular and related anatomy.

OPHT 804 Ocular Genetics
NO 0.25 EFTS OL, DL 30 points
Provides an understanding of the implications of genetic eye disease for a practising ophthalmologist, knowledge of the latest techniques in diagnosis and management as well as insight into areas of likely development.

OPHT 805 Ocular Medicine
L LT PG Dip Ophth BS
Note: University of Sydney students, please apply for a Certificate of Proficiency in OPHT 804 by emailing international.enquiries@otago.ac.nz.

Oral Medicine

ORME 701 Oral Medicine I
N1 0.5 EFTS OC 60 points
A theoretical and practical paper on oral pathology, oral microbiology, and pharmacology and therapeutics aspects relevant to oral medicine.

ORME 702 Oral Medicine II
N1 0.5 EFTS OC 60 points
A theoretical and clinical paper on oral medicine and orofacial pain.

ORME 730 Oral Medicine PG Dip Clin Dent Special Topics
N1 0.5 EFTS OC 60 points

Oral Pathology

ORPA 701 Pathology and Microbiology
N1 0.5 EFTS OC 60 points
Topics in pathology and microbiology of relevance to the practice of oral pathologist.

ORPA 702 Diagnostic Oral Pathology I
N1 0.5 EFTS OC 60 points
Diagnostic oral pathology including theoretical and practical knowledge of histopathological diagnosis of common diseases of the oral region, preparation of gross specimens for oral and general pathology, and diagnostic general pathology relevant to oral pathology.

ORPA 711 Pathology and Microbiology
NO 0.25 EFTS OC 60 points

ORPA 712 Diagnostic Oral Pathology I
NO 0.25 EFTS OC 60 points

ORPA 730 Oral Pathology PG Dip Clin Dent Special Topics
N1 0.5 EFTS OC 60 points

Oral Surgery

ORSU 701 Oral Surgery
N1 0.5 EFTS OC 60 points
A theoretical and clinical paper on the diagnosis and management of oral conditions relevant to oral surgery.

ORSU 702 Oral Medicine, Oral Pathology and Orofacial Pain
N1 0.5 EFTS OC 60 points

Ophthalmology

OPHT 801 Ophthalmic Anatomy
N1, N2 0.25 EFTS OL, DL 30 points
Anatomy of relevance to the clinical practice of ophthalmology. In particular the eye, the visual pathways, the orbit, its contents and periorbital structures. The anatomy of the head and neck, neuro-anatomy and histology as it pertains to the visual system.

OPHT 802 Ophthalmic Physiology
N1, N2 0.25 EFTS OL, DL 30 points
Physiology of the human eye and visual systems and related neuro-physiology, including the scientific application of psychophysical testing as a basis for current and future ophthalmic clinical practice.

OPHT 803 Ophthalmic Optics
N1, N2 0.25 EFTS OL, DL 30 points
The application of the principles of physical, geometric, physiological optics and ultrasonography to current and future ophthalmic clinical practice, including instruments which facilitate the examination of the human eye and the detection of abnormalities that may degrade image formation in the human eye.

OPHT 804 Ocular Genetics
NO 0.25 EFTS OL, DL 30 points
Provides an understanding of the implications of genetic eye disease for a practising ophthalmologist, knowledge of the latest techniques in diagnosis and management as well as insight into areas of likely development.

OPHT 805 Ocular Medicine
L LT PG Dip Ophth BS
Note: University of Sydney students, please apply for a Certificate of Proficiency in OPHT 804 by emailing international.enquiries@otago.ac.nz.

Ophthalmology

ORME 701 Oral Medicine I
N1 0.5 EFTS OC 60 points
A theoretical and practical paper on oral pathology, oral microbiology, and pharmacology and therapeutics aspects relevant to oral medicine.

ORME 702 Oral Medicine II
N1 0.5 EFTS OC 60 points
A theoretical and clinical paper on oral medicine and orofacial pain.

ORME 730 Oral Medicine PG Dip Clin Dent Special Topics
N1 0.5 EFTS OC 60 points

Oral Pathology

ORPA 701 Pathology and Microbiology
N1 0.5 EFTS OC 60 points
Topics in pathology and microbiology of relevance to the practice of oral pathologist.

ORPA 702 Diagnostic Oral Pathology I
N1 0.5 EFTS OC 60 points
Diagnostic oral pathology including theoretical and practical knowledge of histopathological diagnosis of common diseases of the oral region, preparation of gross specimens for oral and general pathology, and diagnostic general pathology relevant to oral pathology.

ORPA 711 Pathology and Microbiology
NO 0.25 EFTS OC 60 points

ORPA 712 Diagnostic Oral Pathology I
NO 0.25 EFTS OC 60 points

ORPA 730 Oral Pathology PG Dip Clin Dent Special Topics
N1 0.5 EFTS OC 60 points

Oral Surgery

ORSU 701 Oral Surgery
N1 0.5 EFTS OC 60 points
A theoretical and clinical paper on the diagnosis and management of oral conditions relevant to oral surgery.

ORSU 702 Oral Medicine, Oral Pathology and Orofacial Pain
N1 0.5 EFTS OC 60 points
A theoretical and clinical paper on the diagnosis and management of oral conditions related to oral surgery.

LT PG Dip Clin Dent
PACI 301 Gafa o Tagata Pasifika – Pacific Diaspora in New Zealand
S1  0.15 EFTS  OL, OC  18 points
The Pacific diaspora living in New Zealand, including issues such as identity, culture, spirituality, education and contemporary music.

PACI 401 Tinâ Pasifika – Women in Polynesian Communities
S2  0.1667 EFTS  OL, OC, DL  20 points
An introduction to selected Polynesian women’s roles in (traditional and contemporary) selected Polynesian communities. Topics include birthing practices, kinship and relationship practices, and female physicality.

PACI 410 Special Topic
NO  0.1667 EFTS  OL, OC, DL  20 points
A political and historical perspective on leadership in the Pacific and how indigenous Pacific people are affected by and also influence leadership processes and changes in their communities, societies and states. Analysis of leadership theories and models for their relevance in specific social and state contexts from the Pacific.

PACI 490 Dissertation
FY  0.5 EFTS  OC  60 points
A dissertation of up to 20,000 words on an approved research topic.

PACI 501 Contemporary Pacific Island Issues
S1  0.15 EFTS  OL, OC, DL  18 points
Contemporary social, political and economic issues affecting peoples living in the Pacific region. Focus on urbanisation, land, poverty, climate change and social issues.

PACI 502 Pacific Dance: An Introduction
NO  0.15 EFTS  OC  18 points
An introduction to various forms of traditional and contemporary Pacific dance. A practicum component is included.

PACI 503 Languages and Cultures of the Pacific: An Introduction
S1  0.15 EFTS  OL, OC, DL  18 points
An introduction to a select Pacific language.

PACI 510 Special Topic
NO  0.15 EFTS  OL, OC, DL, DP  18 points
An introduction to theories of learning and academic skills needed for independent learning and success at university especially designed for Pacific students new to tertiary study.

PACI 570 Paediatric Orofacial Development
N1  0.5 EFTS  OC  60 points

PACI 602 Resource Conservation and Environment in the Pacific
NO  0.1667 EFTS  OL, OC, DL  20 points
Examines Pacific environments to seek an understanding of management of island environments and pressures brought about by issues such as climate change, urban growth, economic development and political tension.

PACI 610 Special Topic
NO  0.1667 EFTS  OL, OC, DL  20 points
A political and historical perspective on leadership in the Pacific and how indigenous Pacific people are affected by and also influence leadership processes and changes in their communities, societies and states. Analysis of leadership theories and models for their relevance in specific social and state contexts from the Pacific.

PAS 207 Special Topic
NO  0.15 EFTS  OL, DL  18 points
A current understanding of the various biomedical modalities to treat all types of pain states, including acute and chronic pain, regional neural and neuropathic pain states.

PAS 208 Special Topic
NO  0.15 EFTS  OL, DL  18 points
A current understanding of the various biomedical modalities to treat all types of pain states, including acute and chronic pain, regional neural and neuropathic pain states.

PAS 216 Current Perspectives on Pastoral Care
NO  0.15 EFTS  OL, DL  18 points
Pastoral care as the caring, nurturing and compassionate work of the church as a whole, increasingly viewed as outward-facing, lay-centred, and attentive to communal, societal and cross-cultural dynamics.

PWI 330 Paediatric Dentistry PGDipClinDent Special Topics
N1  0.5 EFTS  OC  60 points

Pwi 330 Paediatric Dentistry PGDipClinDent Special Topics
N1  0.5 EFTS  OC  60 points
Performing Arts Studies

PERF 102 Musical Theatre Voice 1A
S1 0.15 EFTS OL, OC, DP 18 points
The development of specialist singing skills necessary to enter a career in musical theatre.
PT PERF 102 LT BPA SC Arts and Music
Note: Entry is by audition.

PERF 103 Musical Theatre Voice 1B
S2 0.15 EFTS OL, OC 18 points
The further development of specialist singing skills necessary to enter a career in musical theatre.
PT PERF 102 LT BPA SC Arts and Music

PERF 202 Musical Theatre Voice 2A
S1 0.15 EFTS OL, OC, DP 18 points
The development of specialist singing skills necessary to enter a career in musical theatre.
PT PERF 102 (passed with a grade of at least C+) LT BPA SC Arts and Music

PERF 203 Musical Theatre Voice 2B
S2 0.15 EFTS OL, OC 18 points
The further development of specialist singing skills necessary to enter a career in musical theatre.
PT PERF 202 LT BPA SC Arts and Music

PERF 205 The Creative Industries
NO (2021) 0.15 EFTS OL, OC 18 points
An investigation of the knowledge and skills required to develop a career in the creative industries.
PT One 100-level DANC, MUSI, PERF or THEA paper and 36 further points
PT PERF 305 LT BPA SC Arts and Music

PERF 301 Performance Project
S2 0.15 EFTS OL, OC, DP 18 points
The creation, rehearsal and presentation of a performance piece applying elements of interdisciplinary performance theory and practice.
PT THEA 152 and 36 300-level PERF, MUSI, THEA or DANC points
PT BPA SC Arts and Music

PERF 302 Musical Theatre Voice 3
FY 0.3 EFTS OL, OC, DP 36 points
The development of advanced singing and devising skills necessary to enter a career in musical theatre.
PT PERF 202 (passed with a grade of at least B-) LT BPA SC Arts and Music

PERF 305 The Creative Industries
NO (2021) 0.15 EFTS OL, OC 18 points
An investigation of the knowledge and skills required to develop a career in the creative industries.
PT One 200-level DANC, MUSI, PERF or THEA paper and 18 further 200-level points
PT PERF 205

Pharmacology

PHAL 211 Introduction to Pharmacology
S1 0.15 EFTS OL, OC 18 points
The basic principles of pharmacology; how drugs get to their site of action, and how they work when they get there.
PT (BIOC 192 or 111) and (CHEM 191 or 112) and two of BIOL 111, 115, CELS 191, HUBS 191, 192
R PHAL 202, PHYT 252
SC Science

PHAL 221 Drug Discovery and Development
S2 0.15 EFTS OL, OC 18 points
In-depth exploration of critical decision points in the development of new medicines, from discovery and refinement, to preclinical assay selection, clinical trial design, and societal, ethical and regulatory challenges.
PT Two of BIOC 192, BIOC 112, 123, CELS 191, CHEM 111, 191, HUBS 191, 192 and 54 further points
SC Science

PHAL 303 Neuropharmacology
S2 0.15 EFTS OL, OC 18 points
Mechanisms of action, uses and abuse of drugs affecting the nervous system.
PT PHAL 211
SC Science

PHAL 304 Human Pharmacology
S2 0.15 EFTS OL, OC 18 points
The application of pharmacological knowledge and principles in the development and assessment of new drugs and the treatment of disease.
PT PHAL 211, 212
SC Science

PHAL 305 Molecular and Immunopharmacology
S1 0.15 EFTS OL, OC 18 points
The action of existing and potential drugs on molecular and immune systems. New targets for drug action generated by new movements in science.
PT (BIOC 111 or 112) and (CHEM 111 or 112) and two of BIOL 111, 115, CELS 191, HUBS 191, 192 and 18 further 200-level PHAL, ANAT, BIOC, GENE, MIRC or PHIL points
SC Science

PHAL 306 Human Toxicology
S1 0.15 EFTS OL, OC 18 points
The causes and sources of chemical toxicity and the detection and management of human toxicity.
PT PHAL 211, 212
SC Science

Periodontology

PERI 701 Principles of Periodontology
N1 0.5 EFTS OC 60 points
An in-depth study of the scientific foundations of periodontology, including anatomy, epidemiology, pathogenesis, and philosophy of treatment of periodontal diseases.
PT PGDipClinDent

PERI 702 Clinical Periodontology
N1 0.5 EFTS OC 60 points
Clinical management of patients with pathology of the periodontal structures, including non-surgical and surgical procedures and pharmaco-therapy.
PT PGDipClinDent

PERI 711 Principles of Periodontology
N1 0.25 EFTS OL, DL 60 points
An in-depth study of the scientific foundations of periodontology, including anatomy, epidemiology, pathogenesis, and philosophy of treatment of periodontal diseases.
PT PGDipClinDent

PERI 712 Clinical Periodontology
N1 0.25 EFTS OL, DL 60 points
Clinical management of patients with pathology of the periodontal structures, including non-surgical and surgical procedures and pharmaco-therapy.
PT PGDipClinDent

PERI 730 Periodontology PGDipClinDent Special Topics
NO 0.5 EFTS OC 60 points
PT PGDipClinDent

Note: Students who have not passed the normal prerequisites may be admitted with approval from the Head of Department.

Key
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-N: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from if no location mentioned, paper is taught at, or from, Dunedin.
See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers

Preparations

PHAL 307 Current Topic
FY 0.15 EFTS OL, OC 18 points
Research methods and advanced topics in Pharmacology. Suitable for students intending to pursue further study towards an honours or master's degree.
PT PHAL 211, 212 (passed with an average grade of B+)
SC Science

PHAL 421 General Pharmacology and Toxicology
S1 0.1667 EFTS OL, OC 20 points

PHAL 423 Neuropharmacology
FY 0.1667 EFTS OL, OC 20 points

PHAL 428 Current Research Literature in Toxicology
FY 0.1667 EFTS OL, OC 20 points

PHAL 430 Advanced Topics in Pharmacology and Toxicology
ES, N1 0.1667 EFTS OL, OC 20 points

PHAL 431 Special Project
ES 0.1667 EFTS OC 20 points

PHAL 480 Research Project
FY 0.3333 EFTS OL, OC 40 points
A supervised project involving research and leading to the production of a research report.
PT PGDipSci

PHAL 490 Dissertation
FY 0.05 EFTS OL, OC 60 points
A supervised project involving original research and leading to the production of a dissertation.
PT BSc(Hons)

PHAL 495 Master's Thesis Preparation
FY 0.3333 EFTS OL, OC 40 points
PT L MSC

Pharmacy

PHCY 210 Introduction to Pharmacy
S1 0.095 EFTS OL, OC 12 points
Introduction to pharmacy as a profession, the fundamentals of law and principles of ethics, hauora Māori, social determinants of health, the health system, patient experiences of illness and treatment, communication.
PT BPharm

PHCY 211 Fundamental Pharmaceutical Science
S1 0.38 EFTS OL, OC 48 points
Foundation topics in the pharmaceutical sciences, including drug design, medicinal chemistry, medicine formulation and delivery, and biopharmaceutics.
PT BPharm

PHCY 220 Integrated Modules A
S2 0.475 EFTS OL, OC 60 points
Integrated pharmaceutical and biomedical sciences, clinical pharmacology, therapeutics, and professional practice for patient-oriented care and population health in communicable diseases, dermatology, gastrointestinal and hepatic disorders and musculoskeletal conditions.
PT BPharm

PHCY 310 Integrated Modules B
S1 0.5 EFTS OL, OC 60 points
Integrated pharmaceutical and biomedical sciences, clinical pharmacology, therapeutics, and professional practice for patient-oriented care and population health in respiratory, cardiovascular, renal disorders and endocrinology.
PT BPharm
PHCY 320 Integrated Modules C
S2 0.25 EFTS OL, OC 60 points
Integrated pharmaceutical and biomedical sciences, clinical pharmacology, therapeutics, and professional practice for patient-centred care and population health in CNS disorders, men’s and women’s health, and oncology and palliative care.
LT BPharm

PHCY 480 Honours Research Project
N1 0.25 EFTS OL, OC 36 points
The development, implementation and reporting of an original individual research project, supervised by a Dunedin-based PGR-eligible School of Pharmacy staff member and approved by the Dean of the School of Pharmacy.
LT BPharm(Hons)

Note for PHCY 561-564: Can normally only be taken for the qualifications listed above; other students may be admitted with approval from the dean of the School of Pharmacy.

PHCY 501 Elective Studies 1
NO 0.25 EFTS OC 30 points
Topics related to the candidate’s thesis.
LT MPharm, PGDipPharm

PHCY 502 Elective Studies 2
NO 0.25 EFTS OC 30 points
Topics related to the candidate’s thesis.
LT MPharm, PGDipPharm

PHCY 503 Elective Studies 3
NO 0.25 EFTS OC 30 points
Topics related to the candidate’s thesis.
LT MPharm, PGDipPharm

PHCY 504 Elective Studies 4
NO 0.25 EFTS OC 30 points
Topics related to the candidate’s thesis.
LT MPharm, PGDipPharm

PHCY 510 Evidence-Based Practice
N1 0.25 EFTS OL, DL 30 points
Fundamental skills and knowledge for medicines optimisation, including understanding the patient, clinical assessment, goal setting, critical appraisal, and designing an evidence-based plan of care.
R PHCY 541, PHX 541
LT PGCertPharm, PGDipClinPharm

PHCY 511 Patient-Centred Care
N1 0.25 EFTS OL, DL 30 points
Fundamental skills and knowledge for a patient-centred approach to care, including understanding and managing variability in drug response between people, goal setting, clinical reasoning and decision making, designing and communicating a patient-centred treatment plan.
R PHCY 542, PHX 542
LT PGCertPharm, PGDipClinPharm

PHCY 520 Applied patient-centred care
N1 0.25 EFTS DL 30 points
This paper builds on clinical decision making for therapeutics that was introduced in PHCY 511 and extends the framework for dealing with uncertainty in more advanced care settings. Core clinical topics are then introduced at a more advanced level to provide a framework for applying patient-centred therapeutic decision making.
P (PHCY 510 and 511) or (PHCY 541 and 542)
R PHCY 522
LT PGDipClinPharm

PHCY 521 Elective topics in patient-centred care
N1 0.25 EFTS DL 30 points
This paper continues the direction of clinical decision making for therapeutics with a choice of elective topics covered in two modules. Students can choose one elective topic per module.
P PHCY 520
R PHCY 523
LT PGDipClinPharm

PHCY 590 Dissertation
N1, N2, N3, N4, N5, N6 0.5 EFTS OC, DL 60 points
A supervised dissertation of up to 20,000 words presenting the results of an original study on a relevant topic in the student’s area of interest within pharmacy.
R PHCY 591, PHX 590, 591
Note: Admission is subject to approval from the Dean of the School of Pharmacy.

PHCY 601 Principles of Prescribing
S1 0.25 EFTS OL, DL 30 points
Legal and ethical considerations, communication with patients and other health professionals, clinical reasoning and decision making, physical assessment and drug therapy, and pharmacokinetics.
R PHX 601
LT PGCertPharm

Notes: (i) Students must be New Zealand registered pharmacists who are registered in New Zealand and hold a current position involving patient care and have been awarded a Postgraduate Diploma in Clinical Pharmacy (or equivalent qualification). (ii) Although this is a distance learning paper, attendance at workshops and clinical skills centres will be required.

PHCY 602 Prescribing Practice
S2 0.25 EFTS DL 30 points
A practicum for prescribing, an experiential placement where the pharmacist develops experience in prescribing under the overarching guidance of a designated medical prescriber.
R PHX 602
LT PGCertPharm

Notes: Students must be New Zealand registered pharmacists who are registered in New Zealand and hold a current position involving patient care and have been awarded a Postgraduate Diploma in Clinical Pharmacy (or equivalent qualification).

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**Philosophy**

PHIL 101 Mind and Reality
S1 0.15 EFTS OL, OC 18 points
Do we have free will? How are our minds related to our bodies? Can one prove that God exists? And other questions about what exists in the world.
SC Arts and Music

PHIL 103 Ethical Issues
S2 0.15 EFTS OL, OC 18 points
Theories about the status of moral claims (relativism, subjectivism, egoism, utilitarianism, etc.). The rights and wrongs of specific issues (abortion, the environment, pacifism, etc.).
SC Arts and Music

PHIL 105 Critical Thinking
ES 0.15 EFTS OL, OC 18 points
SC Arts and Music, Commerce, Science

PHIL 106 Radical Philosophy
SS 0.15 EFTS OL, OC 18 points
Radical ideas about the human condition, regarding freedom, the death of God, nihilism, existentialism, feminism, and modernity. Authors studied include Nietzsche, Sartre, Irigaray, and Žižek.
SC Arts and Music

PHIL 222 Introduction to Formal Logic
S2 0.15 EFTS OL, OC 18 points
Logical structure of arguments. Tests for validity.
P One PHIL paper or 18 MATH points or 72 points
R PHIL 212, 322
SC Arts and Music

Note: The prerequisite will be waived for students with a background in NCEA Level 3 Mathematics (or equivalent).

PHIL 223 Metaphysical Questions
NO (2021) 0.15 EFTS OL, OC 18 points
Investigations into the nature and structure of existence. What sorts of things are there? What are possible worlds? How is change possible?
P One PHIL paper or 72 points
R PHIL 216, 313, 316, 323
SC Arts and Music

PHIL 225 Philosophy of Science
S1 0.15 EFTS OL, OC 18 points
What is science? How does it differ from other disciplines? Do its methods yield a superior type of knowledge? Why do scientists perform experiments and what can those experiments show?
P One PHIL paper or 72 points
R PHIL 208, 325
SC Arts and Music, Science

PHIL 226 History of Science
NO 0.15 EFTS OL, OC 18 points
Examines the chief historical episodes that led to modern science. Case studies include the Copernican Revolution, the Chemical Revolution, and the Darwinian Revolution.
P One PHIL paper or 72 points
R PHIL 209, 326
SC Arts and Music, Science

PHIL 227 Morality and Politics: Hobbes to Hume
NO (2021) 0.15 EFTS OL, OC 18 points
British moral and political philosophy from Hobbes to Hume. Does right consist in obedience to the sovereign or is it what an ideal observer would approve of?
P One PHIL paper or POLS 101 or 72 points
R PHIL 203, 327
SC Arts and Music

PHIL 228 Ethics
S2 0.15 EFTS OL, OC 18 points
Contemporary moral theories, including utilitarianism, Kantianism, and virtue theory.
P One PHIL paper or POLS 101 or 72 points
R PHIL 211, 328
SC Arts and Music

PHIL 229 Reason, Belief and the Sacred
S2 0.15 EFTS OL, OC 18 points
What is religion? How do religious people think? Where do their ideas come from? Are any of them true? These and other questions are addressed.
P One PHIL paper or 72 points
R PHIL 210, 329
SC Arts and Music

PHIL 231 Early Modern Philosophy A: Descartes, Spinoza, Leibniz
S1 0.15 EFTS OL, OC 18 points
The central issues in the philosophy of Descartes and its subsequent impact on the philosophy of Spinoza and Leibniz.
P One PHIL paper or 72 points
R PHIL 201, 220, 320, 331
SC Arts and Music

PHIL 232 Early Modern Philosophy B: Locke, Berkeley, Hume
NO (2021) 0.15 EFTS OL, OC 18 points
The central issues in the philosophy of Locke and its subsequent impact on the philosophy of Berkeley and Hume.
P One PHIL paper or 72 points
R PHIL 201, 220, 320, 332
SC Arts and Music

PHIL 233 Philosophy of Mind and Language
S1 0.15 EFTS OL, OC 18 points
The foundation and development of modern philosophy of mind and language in the second half of the twentieth century, and the radical effects these developments have had on modern analytic philosophy.
P One PHIL paper or 72 points
R PHIL 224, 302, 306, 324, 333
SC Arts and Music

PHIL 234 Are there moral facts?
NO (2021) 0.15 EFTS OL, OC 18 points
Are there objective moral facts, or should we embrace moral nihilism or moral relativism? Examination of classic answers to this question developed in 20th- and 21st-century philosophy.
P One PHIL paper or POLS 101 or 72 points
R PHIL 315
SC Arts and Music

PHIL 235 Environmental Philosophy
S2 0.15 EFTS OL, OC 18 points
An introduction to environmental ethics and other philosophical issues affecting environmental science and policy-making.
P One 100-level PHIL or BTC paper or 72 points
SC Arts and Music, Commerce, Science
PHIL 236 An Introduction to the Philosophy of Language
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to central figures and issues in the philosophy of language, including Frege, Russell, Moore, Ayer and Quine.
P: One PHIL paper or 72 points
R PHIL 336
SC Arts and Music
PHIL 239 Bertrand Russell: Ethics, Logic, Pacifism and Truth
S2 0.15 EFTS OL, OC 18 points
Themes from the thought of Bertrand Russell: the basis of ethics, truth, reality, the foundations of mathematics, the external world, logic, paradox, democracy, capitalism, socialism, communism, war and peace.
P: One 100-level PHIL paper or 72 points
R PHIL 221, 321, 339
SC Arts and Music
PHIL 240 Epistemology: The Theory of Knowledge
S1 0.15 EFTS OL, OC 18 points
What is knowledge? Can we know anything? How could we know what we think we know? When is a belief justified? These are the questions addressed in this paper.
P: One PHIL paper or 72 points
R PHIL 102, 340
SC Arts and Music
PHIL 312 Advanced Formal Logic
S1 0.15 EFTS OL, OC 18 points
Advanced applications of first-order logic. The logical structure of theories, including formal number theory. Proof of the completeness of first-order logic (everything provable in it is valid and everything valid in it is provable).
P: PHIL 212 or PHIL 222 or PHIL 322
SC Arts and Music
PHIL 314 Themes from Hume
S2 0.15 EFTS OL, OC 18 points
Three themes from David Hume and their consequences for contemporary metaethics: The Slavery of Reason Thesis; The Motivation Argument; and Hume’s No-Ought-From-Is thesis.
P: One 200-level PHIL paper
R PHIL 414
RP PHIL 222
SC Arts and Music
PHIL 323 Metaphysical Questions
NO (2021) 0.15 EFTS OL, OC 18 points
Investigations into the nature and structure of existence. What sorts of things are there? What are possible worlds? How is change possible?
P: One 200-level PHIL paper
R PHIL 223
SC Arts and Music
PHIL 329 Reason, Belief and the Sacred
S2 0.15 EFTS OL, OC 18 points
What is religion? How do religious people think? Where do their ideas come from? Are any of them true? These and other questions are addressed.
P: One 200-level PHIL paper
R PHIL 229, 210
SC Arts and Music
PHIL 331 Early Modern Philosophy A: Descartes, Spinoza, Leibniz
S1 0.15 EFTS OL, OC 18 points
The central issues in the philosophy of Descartes and its subsequent impact on the philosophy of Spinoza and Leibniz.
P: One 200-level PHIL paper
R PHIL 201, 220, 321, 320
SC Arts and Music
PHIL 332 Early Modern Philosophy B: Locke, Berkeley, Hume
NO (2021) 0.15 EFTS OL, OC 18 points
The central issues in the philosophy of Locke and its subsequent impact on the philosophy of Berkeley and Hume.
P: One 200-level PHIL paper
R PHIL 201, 220, 322, 330
SC Arts and Music
PHIL 333 Philosophy of Mind and Language
S1 0.15 EFTS OL, OC 18 points
The foundation and development of modern philosophy of mind and language in the 20th century, and the radical effects these developments have had on modern analytical philosophy.
P: One 200-level PHIL paper
R PHIL 224, 233, 302, 306, 324
SC Arts and Music
PHIL 334 Philosophy of Biology
NO (2021) 0.15 EFTS OL, OC 18 points
The philosophy of the life sciences. Topics include the role of genes in development and evolution, the concept of genetic information and alternatives to it, problems in the practice of adaptive explanation, theoretical and moral issues surrounding nature conservation and genetic modification.
P: One 200-level PHIL paper
R PHIL 406
SC Arts and Music, Science
PHIL 335 Why Be Moral?
S2 0.15 EFTS OL, OC 18 points
This course explores the “Why be Moral?” question in Philosophy and Literature through the work of Plato, Wilde, Dostoevsky, Ibsen, and Shakespeare. The philosophy of the life sciences. Topics include the role of genes in development and evolution, the concept of genetic information and alternatives to it, problems in the practice of adaptive explanation, theoretical and moral issues surrounding nature conservation and genetic modification.
P: One 200-level PHIL paper
R PHIL 406
SC Arts and Music
PHIL 336 An Introduction to the Philosophy of Language (Advanced)
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to the foundational works in the philosophical study of language, including Frege and Russell on sense and reference, logical positivism, Moore on moral language, and Quine on analyticity.
P: One 200-level PHIL paper
R PHIL 236
SC Arts and Music
PHIL 338 Ethical Theory
S1 0.15 EFTS OL, OC 18 points
Philosophical ideals of the human good, and their role in morality, politics, applied ethics, and literature.
P: One 200-level PHIL paper
R PHIL 311, 413
SC Arts and Music
PHIL 339 Bertrand Russell: Ethics, Logic, Pacifism and Truth (Advanced)
S2 0.15 EFTS OL, OC 18 points
Themes from the thought of Bertrand Russell: the basis of ethics, truth, reality, the foundations of mathematics, the external world, logic, paradox, democracy, capitalism, socialism, communism, war and peace.
P: One 200-level PHIL paper
R PHIL 221, 239, 321
SC Arts and Music
PHIL 340 Epistemology: The Theory of Knowledge (Advanced)
S1 0.15 EFTS OL, OC 18 points
What is knowledge? Can we know anything? How could we know what we think we know? When is a belief justified? These are the questions addressed in this paper.
P: One 200-level PHIL paper
R PHIL 102, 240
SC Arts and Music
PHIL 401 Advanced History of Philosophy
NO (2021) 0.1667 EFTS OL, OC 20 points
A detailed study of a major 17th, 18th, or 19th century philosopher.
P: 36 PHIL points at 200-level or above
PHIL 405 Philosophy of Biology
NO (2021) 0.1667 EFTS OL, OC 20 points
The philosophy of the life sciences. Topics include the role of genes in development and evolution, the concept of genetic information and alternatives to it, problems in the practice of adaptive explanation, theoretical and moral issues surrounding nature conservation and genetic modification.
P: 36 PHIL points at 200-level or above
R PHIL 334
PHIL 406 Why Be Moral?
S2 0.15 EFTS OL, OC 20 points
What is moral goodness for? And why should I do right if doing wrong would pay better? Plato, Laclos, Dostoevsky and Shakespeare help answer these questions.
P: PHIL 300-level or above or 72 300-level CLAS, GREK or LATN points
R PHIL 335
Note: May not be credited together with PHIL 451 passed before 2002.
PHIL 409 Advanced Metaphysics
NO (2021) 0.1667 EFTS OL, OC 20 points
Metaphysical issues arising from the philosophy of time, including McTaggart’s argument for the unreality of time, the irreducibility of tensed belief, the asymmetry of emotional responses to past and future events, change and identity. Personal identity; four-dimensionalism and presentism.
P: 36 PHIL points at 200-level or above
Note: May not be credited together with PHIL 459 passed before 2002.
PHIL 413 Ethical Theory
S1 0.1667 EFTS OL, OC 20 points
Philosophical ideals of the human good, and their role in morality, politics, applied ethics, and literature.
P: 36 PHIL points at 200-level or above
R PHIL 311, 338
PHIL 414 Themes From Hume
S2 0.1667 EFTS OL, OC 20 points
This paper deals with three themes from David Hume and discusses their consequences for contemporary metaethics. The Slavery of Reason Thesis; The Motivation Argument; Hume’s No-Ought-From-Is thesis.
P: 36 PHIL points at 200-level or above
R PHIL 314
Note: May not be credited together with PHIL 458 passed before 2011.
PHIL 415 Meaning and Metaphysics
S1 0.1667 EFTS OL, OC 20 points
Introduces contemporary debates between realism and anti-realism: moral realism, expressivism, error-theory; semantic realism; Dummett’s Manifestation Argument; Kripke’s Wigitreathesis; Semantic Dilemmas, Judgement Dependence; Semantic Frelsomism; Meaning and normativity.
P: 36 PHIL points at 200-level or above
R PHIL 458
Note: May not be credited together with PHIL 458 passed before 2013 or 2014.
PHIL 416 Philosophy of Memory
NO (2021) 0.1667 EFTS OL, OC 20 points
Core themes in the philosophy of memory, including perspectives from the philosophy of mind, epistemology and ethics.
P: One 300-level PHIL paper
Note: May not be credited together with PHIL 458 passed in 2016 or 2017.

Key:
S1: first semester; S2: second semester; ES: each semester; FV: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, except offered to be expected in the year 2000; OL, Paper supported by online learning management system; OC, Paper is available on campus; OL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
PHIL 451 Special Topic
NO 0.166 EFTS OL, OC 20 points
The basic logical apparatus required to think clearly about truth and the liar paradox.
P 36 PHIL points at 200-level or above
PHIL 458 Special Topic
NO 0.166 EFTS OC 20 points
PHIL 462 Special Topic
NO 0.166 EFTS OC 20 points
P 36 PHIL points at 200-level or above
PHIL 480 Research Essay
ET 0.166 EFTS OC, DP 20 points
A supervised research essay.
Note: Enrolment in this paper requires special approval from the Head of Department. Please contact the department before selecting this paper.

PHIL 490 Dissertation
FY, N1 0.5 EFTS OC, DP 60 points
A supervised dissertation of 12,000-16,000 words on an approved topic.
P 72 PHIL points at 300-level or above
LT BA(Hons), PDipArts
PHIL 590 Research Dissertation
N1, N2 0.5 EFTS OC, DL 60 points
A supervised research dissertation of up to 20,000 words on an approved topic.
LT MA

Philosophy, Politics and Economics

PHPE 201 Political Economy I: Method, Philosophy, Applications
S1 0.15 EFTS OL, OC 18 points
Core ideas of political economy from the early modern period to present day with applications to policy problems.
P 36 200-level PHS points, 18 200-level MATH points
SC Arts and Music, Commerce
Note: Students who do not meet all the prerequisites but have passed 72 points may be admitted with approval from the Philosophy, Politics and Economics Programme Co-ordinator.

PHPE 301 Research Essay
S1 0.15 EFTS OL, OC 18 points
Supervised research on an approved topic integrating the three disciplines of philosophy, politics, and economics.
P PHPE 201
SC Arts and Music, Commerce
Note: Students who do not meet the prerequisite may be admitted with the approval from the Philosophy, Politics and Economics Programme Co-ordinator.

Physical Activity and Health
See minor subject requirements (page 104).

Physical Education, Activity and Health
See Applied Science programme requirements (page 78).

Physics

PHSI 131 Fundamentals of Physics I
S1 0.15 EFTS OL, OC 18 points
The development of physical law from Newton to the revolutionary ideas of quantum physics formulated by Planck, Schrödinger, Heisenberg, Bohr and Einstein. The physics of the real world: motion, energy and its transfer, and an introduction to the quantum mechanical nature of light and matter. Applications of the principles of physics to a technological society.
P PHSI 110, 191
SC Science

PHSI 132 Fundamentals of Physics II
S2 0.15 EFTS OL, OC 18 points
The physics of modern technology: Foundations of electromagnetism and electronic circuits, applications of geometric and wave optics, properties of materials, and thermal physics.
SC Science
Note: It is recommended that students enrolling for PHSI 132 have a background in NCEA Level 3 Physics and Mathematics (or equivalent). (ii) Students with excellent results in NCEA Level 3 Physics (or equivalent) are advised to contact the departmental course adviser about substituting PHSI 245 or ELEC 253 for PHSI 131.

PHSI 170 Sun, Earth and Universe
S1 0.15 EFTS OL, OC, DP 18 points
This non-advancing paper progresses in a largely descriptive way through the essentials of our understandings of the Sun-Earth system, and its place in the wider Universe. Lecture topics include ancient and classical astronomy, stellar evolution, black holes, cosmology, and the exploration of the solar system. Knowledge of important historical aspects and the progressive development of ideas is emphasised, with a minimum of mathematics.
SC Science

PHSI 191 Biological Physics
S1, S5 0.15 EFTS OL, OC 18 points
Foundations of physics for the health sciences including mechanics, properties of fluids and solids, thermodynamics, optics, electrostatics and DC circuits, and radiative health.
P 36 PHSI points at 131, 132, 191
SC Science
Note: (i) It is strongly recommended that students enrolling in PHSI 191 have achieved the externally examined Achievement Standards for NCEA Level 3 Physics. (ii) PHSI 191 may only be taken at Summer School by students who were enrolled in PHSI 191 in the first semester of the previous year, and passed the laboratory assessment but failed the paper as a whole.

PHSI 231 Quantum and Thermal Physics
S1 0.15 EFTS OL, OC 18 points
Introduction to the fundamental microscopic and macroscopic theories of matter. Quantum physics: wave-particle duality, the uncertainty principle, the measurement problem. Thermodynamics, principles of statistical mechanics. Classical mechanics.
P One of PHSI 110, 131, 132, 191 and (MATH 160 or 170)
PHSI 251
SC Science
Note: (i) It is strongly recommended that students taking PHSI 231 or PHSI 232 have passed MATH 170 or are enrolled in MATH 170 and have a B grade or better in MATH 160. (ii) Students without the Mathematics background recommended for PHSI 231 may still be admitted to the paper. To do this, apply for Special Permission as part of paper selection on the Review and Submit page.

PHSI 232 Electromagnetism and Optics
S2 0.15 EFTS OL, OC 18 points
Classical electromagnetic theory is developed in terms of Maxwell's equations, and applied to the description of dielectric and magnetic materials. The wave theory of optics, originating from electromagnetism, is explored with examples including interference, diffraction and coherence.
P PHSI 132 and (MATH 160 or 170)
PHSI 262
SC Science
Note: It is strongly recommended that students taking PHSI 231 or PHSI 232 have passed MATH 170 or are enrolled in MATH 170 and have a B grade or better in MATH 160.

PHSI 243 Environmental Physics
S1 0.15 EFTS OL, OC 18 points
Basic physical processes of the Sun, the atmosphere, the oceans and the Earth. The greenhouse effect and the role of energy processes. Opportunities for mitigation including new energy technologies.
P One of PHSI 110, 131, 132, 191
P MATH 160 or 170
SC Science

PHSI 282 Experimental Physics I
S2 0.15 EFTS OL, OC 18 points
Students will perform experiments that explore key principles in physics relating to both natural phenomena and modern technology. Provided: a foundation in laboratory methods, including experimental design, modern measurement techniques, and data analysis.
P One of PHSI 110, 131, 132, 191 and (MATH 160 or 170)
SC Science

PHSI 301 Special Topics
NO 0.15 EFTS OC, DP 18 points
SC Science

PHSI 302 Special Topics
NO 0.15 EFTS OC, DP 18 points
SC Science

PHSI 331 Quantum, Atomic and Particle Physics
S1 0.15 EFTS OL, OC 18 points
P MATH 170, PHSI 231
RP MATH 202
SC Science

PHSI 332 Electromagnetism and Condensed Matter
S2 0.15 EFTS OL, OC 18 points
Physics of electromagnetic waves: wavefronts, propagation through interfaces, dielectrics, conductors and plasmas. Application of the principles of quantum, thermal, electromagnetic and optical physics to solid-state systems.
P MATH 170, PHSI 232
SC Science

PHSI 336 Mathematical Physics
S2 0.15 EFTS OL, OC 18 points
Techniques and applications of classical mechanics: calculus of variations, Lagrangian and Hamiltonian formulations. The special theory of relativity with application in relativistic mechanics. Cosmology.
P MATH 203 and 36 300-level PHSI or MATH points
R PHSI 334, MATH 374
RP (PHSI 231, 232) and (MATH 262 or COMO 204)
SC Science

PHSI 365 Computational Physics
S1 0.15 EFTS OL, OC 18 points
P (36 200-level PHSI points or (18 200-level PHSI points and 18 200-level MATH points)) and MATH 170
SC Science

PHSI 381 Experimental Physics II
S1 0.15 EFTS OL, OC 18 points
Following on from PHSI 282, research-style experimental projects that explore key physical principles in physics relating to both natural phenomena and modern technology.
P PHSI 282
SC Science

PHSI 421 Statistical Mechanics
S1 0.0833 EFTS OL, OC 10 points
Advanced thermodynamics; equilibrium theory of many-particle systems; quantum ideal gas; Bose-Einstein condensation and free electrons; interacting systems and phase transitions.
LT BSc(Hons), PDipSci, MSc

PHSI 422 Upper Atmospheric and Space Physics
S1 0.0833 EFTS OL, OC 10 points
Upper atmospheric properties; ionosphere; mesosphere; plasma dynamics including single particle motion in a spatially varying magnetic field, collision effects; plasma waves: propagation and amplification, cyclotron wave modes.
LT BSc(Hons), PDipSci, MSc
**PHSI 423 Advanced Quantum Mechanics I**
S1 0.0833 EFTS  OL, OC  10 points
Operator methods; translation, rotation, and time evolution; symmetries and conservation laws; Schrödinger, Heisenberg and interaction pictures; time-dependent perturbation; Wigner-Eckhardt theorem; entanglement.

**PHSI 424 Advanced Quantum Mechanics II**
S2 0.0833 EFTS  OL, OC  10 points
Density operator; second quantisation; quantising the EM-field; atom-light interactions; open quantum systems; spontaneous emission; quantum beam splitter; squeezing; scattering theory, contact interactions; Bose-Einstein condensation; trapped condensates; quantum vortices; Bogolubov theory.

**PHSI 425 Advanced Electromagnetism**
S1 0.0833 EFTS  OL, OC  10 points
Electromagnetic potentials, mechanical properties of the electromagnetic field and their conservation laws, the laws of electromagnetism, a gauge, retarded potentials, Liénard-Wiechert potentials, fields of accelerating charges, and radiation.

**PHSI 426 Fluids, Instability and Transport Phenomena**
S2 0.0833 EFTS  OL, OC  10 points
Navier-Stokes equation; energy, momentum and mass flow; dynamic similarity and non-dimensionalisation; flow of ideal fluids; spatial and time scales; boundary layer flow; instabilities and waves; introduction to turbulence and transport.

**PHSI 437 Topics in Advanced Physics**
NO 0.0833 EFTS  OL, OC, DP  10 points
Information on the topics available can be found at www.physics.otago.ac.nz

**PHSI 438 Topics in Advanced Physics**
ES 0.0833 EFTS  OL, OC  10 points
Information on the topics available can be found at www.physics.otago.ac.nz

**PHSI 480 Research Project**
ES, FY, NI 0.3333 EFTS  OL, OC  40 points
A supervised project involving research and leading to the production of a research report.

**PHSI 490 Dissertation**
FY 0.05 EFTS  OL, OC  60 points
A supervised project involving original research and leading to the production of a dissertation.

**PHSL 233 Cellular, Gastrointestinal and Renal Physiology**
S2 0.15 EFTS  OL, OC  18 points
The epithelial and integrative functions of the gastrointestinal and renal systems of the human body will be examined at the cellular and molecular levels. Examples of pathophysiological conditions will be highlighted.

**PHSL 251 Physiology (for Human Nutrition/ Dietetics)**
S1 0.175 EFTS  OL, OC  21 points
Further examination of the function of major organ systems of the human body with relevance to the practice of human nutrition and dietetics.

**PHSL 341 Molecular, Cellular and Integrative Neurophysiology (I)**
S1 0.15 EFTS  OL, OC  18 points
Current research in neurophysiology at the molecular, cellular and systems levels. Themes may vary from year to year and are distinct from those in PHSL 342.

**PHSL 342 Molecular, Cellular and Integrative Neurophysiology (II)**
S1 0.15 EFTS  OL, OC  18 points
Current research in neurophysiology at the molecular, cellular and systems levels. Themes may vary from year to year and are distinct from those in PHSL 341.

**PHSL 343 Cellular and Epithelial Physiology**
S2 0.15 EFTS  OL, OC  18 points
The cellular and molecular basis of the mechanisms and regulation of epithelial transport and the effect of representative diseases on these processes.

**PHSL 344 Cardiovascular Physiology**
S2 0.15 EFTS  OL, OC  18 points
The cardiovascular system during health and disease at molecular, cellular and systems level. Themes are based on research areas of teaching staff.

**PHSL 345 Physiological Aspects of Health and Disease**
S1 0.15 EFTS  OL, OC  18 points
The application of knowledge about human molecular, cellular and systems physiology in understanding physiology and pathophysiology of the human body.

**PHSL 471 Systematic Physiology**
FY 0.1667 EFTS  OC, DP  20 points
A seminar series exploring research frontiers in systems and integrative physiology through the study of contemporary papers from the scientific literature in each topic area.

**PHSL 472 Neurophysiology**
FY 0.1667 EFTS  OC, DP  20 points
A seminar series exploring research frontiers in neurophysiology through the study of contemporary papers from the scientific literature in each topic area.

**PHSL 473 Cellular Physiology**
FY 0.1667 EFTS  OC, DP  20 points
A seminar series exploring research frontiers in cellular physiology through the study of contemporary papers from the scientific literature in each topic area.

**PHSL 474 Research Topics**
FY 0.1667 EFTS  OC, DP  20 points
A progressive and guided writing and literature survey exercise in areas of physiology that form the background to work undertaken in the research project.

**PHSL 480 Research Project**
FY 0.3333 EFTS  OC, DP  40 points
A supervised laboratory project involving original research and leading to the production of a research report.

**PHAL 211, 212 Pharmacology (for BPhty)**
FY 0.209 EFTS  OL, OC  26 points
Musculoskeletal anatomy, neuroanatomy and systems anatomy relevant to physiotherapy.

**PHAL 250 Anatomy (for BPhty)**
FY 0.209 EFTS  OL, OC  26 points
Musculoskeletal anatomy, neuroanatomy and systems anatomy relevant to physiotherapy.

**PHTY 250 Physiotherapy**
FY 0.209 EFTS  OL, OC  26 points
Musculoskeletal anatomy, neuroanatomy and systems anatomy relevant to physiotherapy.

**PHTY 251 Physiology (for BPhty)**
S1 0.1333 EFTS  OL, OC  17 points
Further examination of the function of major organ systems of the human body, with relevance to the practice of physiotherapy.

**PHTY 252 Pharmacology (for BPhty)**
S2 0.0955 EFTS  OL, OC  12 points
Diagnosis and principles of management of medical and surgical conditions relevant to physiotherapy. Drug action and administration. Drugs used to treat common medical conditions, particularly those managed by physiotherapists.

**PHTY 255 Anatomy (for BPhty)**
FY 0.209 EFTS  OL, OC  26 points
Musculoskeletal anatomy, neuroanatomy and systems anatomy relevant to physiotherapy.

**PHTY 280 Research Project**
FY 0.3333 EFTS  OC, DP  40 points
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master’s degree by papers and thesis.

**Physiotherapy**

**Key**
- S1: first semester
- S2: second semester
- ES: each semester
- FY: full year
- SS: Summer School
- N1-N: non-standard periods
- ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; PR: Pre-requisite; CR: Corequisite; PC: Pre-requisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).

See page 108 for more information.
Physiotherapy Rehabilitation Science 1
FY 0.38 EFTS OL, OC 48 points
Application and integration of the principles of biological, social and medical sciences and evidence-informed practice to the introductory skills of musculoskeletal, neurological and cardiopulmonary physiotherapy rehabilitation.
LT BPPhy

Physiotherapy Clinical Practice 1
FY 0.133 EFTS OL, OC 17 points
An evidence-based approach to professional practice where students are introduced to the integration of theory and practice with an emphasis on professional, ethical, cultural and legislative issues.
LT BPPhy

Pathology (for BPhty)
S1 15 points
The study and understanding of the principal pathological processes likely to be encountered in physiotherapy practice.
LT BPPhy

Physiotherapy Rehabilitation Science 2
FY 0.5833 EFTS OL, OC 70 points
Application and integration of the principles of biological, social and medical sciences and evidence-informed practice to the skills required for musculoskeletal, neurological and cardiopulmonary physiotherapy rehabilitation at an advanced level.
LT BPPhy

Physiotherapy Clinical Practice 2
FY 0.2917 EFTS OL, OC 35 points
An evidence-based approach to professional practice where students integrate theory and practice with an emphasis on professional, ethical, management and legislative issues.
LT BPPhy

Physiotherapy Clinical Practice 3
S1, FY, N1, N2 0.2 EFTS OL, OC 24 points
An evidence-based approach to professional practice where students integrate theory and practice with an emphasis on physiotherapy management in the musculoskeletal setting.
LT BPPhy L Dunedin, Wellington, Christchurch

Physiotherapy Clinical Practice 4
S1, FY, N1, N2 0.2 EFTS OL, OC 24 points
An evidence-based approach to professional practice where students integrate theory and practice with an emphasis on physiotherapy management in the neuromuscular setting.
LT BPPhy L Dunedin, Wellington, Christchurch

Physiotherapy Clinical Practice 5
S1, FY, N1, N2 0.2 EFTS OL, OC 24 points
An evidence-based approach to professional practice where students integrate theory and practice with an emphasis on physiotherapy management in the cardiopulmonary/tertiary care setting.
LT BPPhy L Dunedin, Wellington, Christchurch

Physiotherapy Clinical Practice 6
S1, FY, N1, N2 0.2 EFTS OL, OC 24 points
An evidence-based approach to professional practice where students integrate theory and practice with an emphasis on physiotherapy management in the community/primary care setting.
LT BPPhy L Dunedin, Wellington, Christchurch

Research for Physiotherapy
S1, FY, N1, N2 0.2 EFTS OL, OC 24 points
An approved independent or group research project in physiotherapy supervised by a member of staff, including components of ethics, critical review and data analysis.
LT BPPhy L Dunedin, Wellington, Christchurch

Physiotherapy Clinical Practice for Honours
FY 0.75 EFTS OL, OC 90 points
An integrated approach to professional practice based on research informed learning in tertiary care, rehabilitation and community environments and physiotherapy management of cardiovascular-pulmonary, musculoskeletal and neurological conditions across the lifespan.
LT BPPhy(Hons)

Physiotherapy Research for Honours
FY 0.25 EFTS OL, OC 30 points
An original piece of scientific enquiry relevant to physiotherapy featuring recognised research methodologies and presented at a level suitable for submission to an international peer reviewed journal.
LT BPPhy(Hons)

Biomedical Science in Physiotherapy
S1 0.25 EFTS OL, OC, DL 30 points
Integration of the applied, medical and clinical sciences that underpin the philosophy, examination and management practices in physiotherapy. Students will study topics appropriate to their clinical specialisation.
R PHTX 501, PHTX 530, 561

Theoretical Constructs in Clinical Practice
S2 0.25 EFTS OL, DL 30 points
Clinical practice structured to extend the physiotherapist’s theoretical knowledge and reasoning skills and to develop an advanced level of competence and critical evaluation in their specialised fields of practice.
R PHTY 561, PHTX 530, 561

Neuromusculoskeletal and Community Rehabilitation
S2 0.25 EFTS OL, DL 30 points
Advanced level of knowledge, competence and skill in neuromusculoskeletal rehabilitation for practising physiotherapists.
R PHTX 535

Occupational Health Physiotherapy
S2 0.25 EFTS OL, DL 30 points
This paper is intended to provide practising physiotherapists with specific knowledge and skills to apply in occupational health practice, and includes the assessment, management, prevention and treatment of work-related musculoskeletal disorders, and the role of government regulatory bodies and statutory authorities in occupational health practice.
R PHTX 539

Sports Physiotherapy
S2 0.25 EFTS OL, DL, DL 30 points
Advanced study of clinical theory and practice in sports physiotherapy. This includes elements of injury mechanisms, principles of injury prevention, diagnosis, treatment and rehabilitation principles integrated with the clinical reasoning process.
R PHTX 542

Orthopaedic Manipulative Therapy
S2 0.25 EFTS OL, DL, DL 30 points
Advanced study of clinical theory and practice in all elements of orthopaedic manipulative therapy.
R PHTY 541, PHTX 541, 543

Advanced Studies in Physiotherapy
ES 0.25 EFTS OL, OC 30 points
Study of clinical theory and practice in a specific area of physiotherapy.
LT MPhty, PGDipPhy

Introduction to Musculoskeletal Acupuncture
S2 0.25 EFTS OL, OC 30 points
The theoretical basis of acupuncture, predominantly from a Western/Scientific paradigm, critical review and evaluation of acupuncture theory and practice in the management of musculoskeletal conditions.
R PHTX 547, 548

Note: The paper may not be offered if insufficient numbers of students enrol.

Supervised clinical practice in an appropriate clinical setting structured to extend the knowledge of specific physiotherapy theory and to further develop a high level of practical expertise in the examination and management of patients.
R PHTY 530, PHTX 530, 561

Research Methods
S1 0.25 EFTS OL, OC, DL 30 points
Research design, evaluation, survey and qualitative methods.
R PHTY 510, PHTX 510, 610

Research Project
ES 0.25 EFTS OL, OC, DL 30 points
A supervised research project of a standard likely to be published presenting the results of original research on a relevant topic within physiotherapy.
R PHTY 550, PHTX 550, 650

Planning Studies

Planning Theory
S1 0.1667 EFTS OL, OC 20 points
A review of the philosophical and theoretical basis of the activity of planning, the origins and significance of planning debates. Examination of comparative planning approaches and the application of planning theory to practice.

Note: Also available for BAppSc, BAppSc(Hons), and other approved students.

Spatial Planning and Development
S2 0.1667 EFTS OL, OC 20 points
Land development process theory and methods. This includes developing, designing and evaluating developments, site analysis, community engagement, assessment of biophysical and socio-political context and knowledge of sustainable development, strategic planning and resource management in relation to the land development process.

Note: Also available for BAppSc, BAppSc(Hons), and other approved students.

Planning Case Study I
FY 0.1667 EFTS OL, OC 20 points
Group study of a local or regional planning issue; data collection, analysis and report writing.

Note: Required for MPlan.

Planning Practice
FY 0.1667 EFTS OL, OC 20 points
Planning administration and practice.

Note: Required for MPlan.

Planning Case Study II
FY 0.1667 EFTS OL, OC 20 points
Group study of a local or regional planning issue; data collection, analysis and report writing.

Note: Required for MPlan.

Planning Project
FY 0.4167 EFTS OC 50 points
Supervised individual project on an approved topic in planning.
LT MPlan

Plant Biotechnology

Applied Plant Science
S1 0.15 EFTS OL, OC 18 points
Relevance of plants to the long-term health of the Earth. Solar-energy conversion, biofuels, food supply, unique bioactive compounds and environmentally safe solutions to pollution. P 36 200-level BIOE, BION or GENE points

SC Science

Note: A 200-level ECOL paper may be substituted for a 200-level BIOE paper.
Environmental and biological factors affecting plant performance, breeding technologies and crop improvement; applications of plant molecular biology and genetics in the design of new plants.

Special topics involving literature research, essay writing and data analysis.

Advanced study of selected topics in plant biochemistry, physiology and molecular biology.

A supervised project involving research and leading to the production of a dissertation.


A supervised project involving original research and leading to the production of a dissertation.

Preparation of a thesis supported by online learning management system.

The study of institutions and processes of the New Zealand political system. Particularly the formal structure of government, political parties and interest groups, the citizen and political participation.

Key elements of modern international relations: Origins and dynamics of the Cold War system, regional developments, the emerging post-Cold War world, perennial international issues and contending analytical perspectives.

How political institutions and processes work across a range of countries. Introduces the comparative method and considers ways of conceptualising political systems and understanding the functions of their key institutions.

An exploration of different theories of justice from ancient to contemporary times. Examples may include justice as a social contract, justice as impartiality, distributive justice, reconciliation and restorative justice, and retributive justice.

Theories, causes and effects of interventions in the Global South in the form of invasions to install new regimes, covert operations, peacekeeping missions, and post-conflict, multilateral programmes.

An introduction to the history and major theoretical interpretations of democracy in Europe, United States and New Zealand.

An introduction to the history and major theoretical interpretations of democracy in Europe, United States and New Zealand.

Analyses the interaction between markets and national/transnational sources of authority and the resulting patterns of power and privilege. Focuses on actors, structures, institutions, norms, and outcomes in world trade, finance, production, and the management of science and technology.

Focuses on the emergence of contemporary developments such as new actors, regionalism, new media, refugees, the digitization of international life and global environmental problems, and their impact on world politics.

Focuses on the emergence of contemporary developments such as new actors, regionalism, new media, refugees, the digitization of international life and global environmental problems, and their impact on world politics.

An introduction to the complex and contested nature of the concept of power, and the different ways in which power shapes and constrains human liberty. A variety of theories and theorists will be considered, drawing from the ancient, modern, and contemporary periods in the history of ideas.

Focuses on the history and major theoretical and practical perspectives on human dignity, the role of the state, and the public or common good.

Focuses on the role of law in world politics since 1945.

Focuses on the role of law in world politics since 1945.

Focuses on the crisis-ridden affairs of the Middle East and North Africa, including spillover into the wider world. Political regimes and sources of war and terrorism across the region.

An introduction to the emergence of the Middle East and North Africa, including spillover into the wider world. Political regimes and sources of war and terrorism across the region.

An introduction to the crisis-ridden affairs of the Middle East and North Africa, including spillover into the wider world. Political regimes and sources of war and terrorism across the region.

An introduction to the history and major theoretical perspectives on human dignity, the role of the state, and the public or common good.

Focuses on the history and major theoretical and practical perspectives on human dignity, the role of the state, and the public or common good.
POLS 310  Turkey and Its Neighbours  NO 0.15 EFTS OL, OC 18 points  The politics and society of modern Turkey, and the geopolitics of Asia Minor, the Balkans, and the Caucasus. Focuses on the political complexities and tensions at the meeting point of Europe and the Islamic World. includes consideration of the legacies of the Ottoman and Byzantine empires in their core territories.

P 18 200-level POLS points  SC Arts and Music

POLS 312  Ethics and International Relations  S1 0.15 EFTS OC 18 points  The impact of moral concerns on the norms, institutions, and practices of international relations; and normative theory as it is being applied to the interaction of states and other actors across national boundaries.

P 18 200-level POLS points or one of CHTH 231, GEND 201, 208, PHIL 221, 227, 228, 234, PSYC 204  SC Arts and Music  Note: May not be credited together with POLS 331 passed before 2005.

POLS 315  Nationalism and Identity  NO 0.15 EFTS OL, OC 18 points  Major debates and themes in the study of nations and nationalism. Applies theory to a variety of cases around the world.

P 18 200-level POLS points  SC Arts and Music  Note: May not be credited together with POLS 330 passed before 2005.

POLS 317  News Media and International Crises  NO 0.15 EFTS OL, OC 18 points  The interaction between the news media and the state during international crises, examples of which include traditional wars, ‘uncivil wars’ and the ‘war on terror’.

P 18 200-level POLS points  SC Arts and Music

POLS 318  Chinese Foreign Policy  NO 0.15 EFTS OL, OC 18 points  Critical analysis of the foreign policy of the People’s Republic of China since its foundation in 1949.

P 18 200-level POLS points  SC Arts and Music

POLS 319  Treaty Politics  S2 0.15 EFTS OL, OC 18 points  Examinations of the Treaty Settlement process; investigation of the partners ‘Crown’ and ‘Maori’, and the consideration of the constitutional reforms for Maori.

P 18 200-level POLS points  SC Arts and Music

POLS 320  Pacific Geopolitics in the 21st Century  NO 0.15 EFTS OL, OC 18 points  Critical analysis of the foreign policy of Pacific Island countries.

P 18 200-level POLS points or (18 100-level POLS points and 18 200-level PACI points)  SC Arts and Music

POLS 321  Public Policy in New Zealand  SS 0.15 EFTS OL, OC, DL 18 points  Examinations of theories and descriptions of how and why governments make and implement policy decisions in New Zealand.

P 18 200-level POLS points  SC Arts and Music  Note: May not be credited together with POLS 324 passed 2005-2012.

POLS 322  Politics and Human Nature  NO 0.15 EFTS OL, OC 18 points  A critical survey of ideas about human nature in ancient to contemporary political thought, focusing on the West, and applications to contemporary debates and issues.

P One 200-level POLS paper or one of CHTH 231, GEND 201, 208, PHIL 221, 227, 228, 234, PSYC 204  SC Arts and Music  Note: May not be credited together with POLS 332 passed in 2013 or Summer School 2015.

POLS 323  Marxism: Classical and Contemporary  S1 0.15 EFTS OL, OC 18 points  Major figures in classical and contemporary Marxism, criticisms of Marxism, and Marxist analysis of current issues including alienation, inequality, economic crisis, imperialism, war, climate change, media bias, and democracy.

P 18 200-level POLS points or one of GEND 201, 208, 308, GEOG 210, 214, 228, 310, 328, 374, HIST 217, 223, 229, 252, MFCO 102, 202, PHIL 227, 232, SOCIO 202, 234  SC Arts and Music

POLS 325  International Relations: Concepts and Theories  S1 0.15 EFTS OL, OC 18 points  Theories and concepts of international relations, ranging from realism, liberalism and constructivism to feminism, critical and post-structuralist approaches to the study of world politics.

P 18 200-level POLS points  R POLS 204  SC Arts and Music

POLS 330  Special Topic  NO 0.15 EFTS OL, OC 18 points  Examination of major themes in anti-colonial and post-colonial politics, including discourses of nationhood and identity, the politics of resistance and self-determination, and continuing anti-colonial struggles around resource extraction.

P 18 200-level POLS points  SC Arts and Music

POLS 390  Research Project  S2 0.15 EFTS OL, OC 18 points  A supervised research essay of 6,500 words in an approved topic in politics.

P 54 200-level POLS points  SC Arts and Music  Note: Admission to this paper normally requires an average of at least B+ over three POLS 200-level papers.

POLS 402  Community, Culture and Rights  NO 0.1667 EFTS OL, OC 20 points  Debates over the relationship between difference, cultural membership, and individual and collective rights in contemporary political theory that have arisen due to the increasing multicultural dimension of modern states.

P 72 300-level POLS points  SC Arts and Music  Note: The prerequisite for students taking the subject Philosophy, Politics and Economics is 36 300-level POLS points.

POLS 501  The ‘Political’ Theory and Practice  S1 0.25 EFTS OL, OC 30 points  An examination of the contested nature of the political and methodological approaches to the study of politics both theoretically and in practice.

LT MPols

POLS 510  Community, Culture and Rights  S2 0.25 EFTS OL, OC 30 points  Debates over the relationship between difference, cultural membership, and individual and collective rights in contemporary political theory that have arisen due to the increasing multicultural dimension of modern states.

R POLS 402  LT MPols

POLS 520  New Zealand Government and Politics  NO 0.25 EFTS OL, OC 30 points  In-depth analysis and evaluation of New Zealand political institutions and their role in policy making.

LT MPols

POLS 521  Politics and Society  NO 0.25 EFTS OL, OC 30 points  The politics of class, gender, and ethnic inequality in New Zealand, with some comparative reference to the US and Europe.

R POLS 404  LT MPols

POLS 530  Politics Internship  ES 0.25 EFTS OL, OC, DP 30 points  A relevant work experience undertaken in an approved workplace, enabling the practical application of the skills acquired in the Master of Politics programme.

R POLS 501  LT MPols

Note: Candidates must undergo a selection process and gain Head of Programme approval to enrol in the paper.

POLS 540  International Relations Theory  S1 0.25 EFTS OL, OC 30 points  The basic theories and debates in international relations theory literature. Theories covered include: realism, liberalism, constructivism, Marxism.

LT MPols

POLS 541  International Relations and the Global South  NO 0.25 EFTS OL, OC 30 points  Critical examination of depictions and theorisation of the Global South in theories of international relations and general concepts of world politics.


POLS 550  Comparative Regional Conflicts  S1 0.25 EFTS OL, OC 30 points  Comparative consideration of sources, dynamics, and implications of regional conflicts, for example in Eastern Europe and the Middle East. Exploration of interactions of local and international politics in regional crises.

LT MPols

POLS 551  Conflicts, Crises and New Zealand Foreign Policy in the Pacific  NO 0.25 EFTS OL, OC 30 points  Critical examination of causal and contributing factors to conflicts and crises in the Pacific using different conceptual frameworks and evaluation of the appropriateness of New Zealand foreign policy in relation to these.

R POLS 419  LT MPols

POLS 552  Comparative State/Minority Politics  NO 0.25 EFTS OL, OC 30 points  Comparison of state relations with Indigenous and other minority peoples in selected nations, including New Zealand.

R POLS 403  LT MPols

POLS 553  The Global Politics of Poverty and Inequality  NO 0.25 EFTS OL, OC 30 points  The political determinants and effects of poverty and inequality, both within states and on the level of global governance. Theoretical and ethical analysis is combined with empirical investigation of the political correlates of poverty and inequality.

LT MPols  Note: May not be credited together with POLS 433 passed in 2009, 2010, or 2012-2014.

POLS 590  Research Dissertation  N1, N2 0.5 EFTS OL, OC 60 points  A supervised research dissertation of up to 20,000 words on an approved topic in politics.

LT MPols

Popular Music
See minor subject requirements (page 103).

Primary Health Care
PRHC 701  New Zealand Primary Health Care  S1 0.25 EFTS OL, DL 30 points  The structure, process and context of contemporary primary health care in New Zealand. How to anticipate, plan for and evaluate future changes to the delivery of primary health care in one’s professional context. The development, progress and importance of interdisciplinary collaboration in the provision of primary health care; the strengths, weaknesses and interdependence of the ‘generalist’ and ‘specialist’ in the context of health care.

R PRHC 701  LT MPols  MFCO 102, PHIL 227, 232, SOCIO 202

Note: Includes residential periods.
<table>
<thead>
<tr>
<th>PSY 401</th>
<th>Behaviour Analysis</th>
<th>S1</th>
<th>0.0833 EFTS</th>
<th>OL, OC</th>
<th>10 points</th>
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</thead>
<tbody>
<tr>
<td>Experimental analysis of behaviour and its application in clinical and nonclinical problems.</td>
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<td>R</td>
<td>PSYC 465</td>
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<tr>
<td>Note: Admission requires an average grade of at least B in 300-level PSYC papers and satisfactory performance in PSYC 311.</td>
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<tr>
<td>Note for PSYC 402-406: Students must also have been provisionally admitted to the PGDipCPS programme.</td>
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<tr>
<td>PSYC 402</td>
<td>Assessment in Child and Adolescent Clinical Psychology</td>
<td>S1</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Review of approaches for measuring the cognitive, behavioural, and social-emotional functioning of children.</td>
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<td>PSYC 403</td>
<td>Adult Psychopathology</td>
<td>S1</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Advanced topics in abnormal psychology. Features, pathogenesis, and causes of mental disorder.</td>
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<tr>
<td>PSYC 404</td>
<td>Assessment in Clinical Psychology Practice</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Topics in psychometric theory and the assessment of clients with psychological disorders.</td>
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<tr>
<td>PSYC 405</td>
<td>Clinical Neuropsychology</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<tr>
<td>Advanced topics in the assessment and remediation of clients with neurological deficits.</td>
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<tr>
<td>PSYC 406</td>
<td>Foundations of Clinical Intervention</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>The application and efficacy of cognitive-behavioural therapy techniques.</td>
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<td>PSYC 421</td>
<td>Advanced Research Methods</td>
<td>S1</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<tr>
<td>Development of critical reading, writing and thinking skills necessary for designing research and assessing the usefulness of the research of others.</td>
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<td>R</td>
<td>PSYC 461</td>
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<tr>
<td>PSYC 422</td>
<td>Contemporary Issues in Psychology</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Critical and lively discussion of current and controversial issues in clinical, social, developmental, cognitive and biological psychology.</td>
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<td>PSYC 423</td>
<td>Advanced Topics in Health Psychology</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Exploration of advanced theoretical, methodological and empirical issues in health psychology.</td>
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<td>R</td>
<td>PSYC 470</td>
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<tr>
<td>PSYC 424</td>
<td>Contexts of Development</td>
<td>NO</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Exploration of biological, social and cultural contexts of child and adolescent development from theoretical and applied perspectives.</td>
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<td>PSYC 464</td>
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<tr>
<td>PSYC 425</td>
<td>Advanced Topics in Behaviour Analysis</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<tr>
<td>Exploration of methodological, empirical and theoretical issues in areas of experimental and applied behaviour analysis.</td>
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<td>R</td>
<td>PSYC 465</td>
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<tr>
<td>PSYC 426</td>
<td>Social Cognition</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Exploration of theoretical and methodological issues in modern social psychology.</td>
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<td>R</td>
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<tr>
<td>PSYC 427</td>
<td>Topical Issues in Child Development</td>
<td>NO (2021)</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<td>Exploration of theoretical and methodological issues in modern developmental psychology.</td>
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<tr>
<td>R</td>
<td>PSYC 467</td>
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<tr>
<td>PSYC 428</td>
<td>Culture and Development</td>
<td>S2</td>
<td>0.0833 EFTS</td>
<td>OL, OC</td>
<td>10 points</td>
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<tr>
<td>Exploration of the degree to which children and adolescents differ in their thinking, perceptions, emotions and identities as a function of culture.</td>
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<tr>
<td>R</td>
<td>PSYC 468</td>
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</tbody>
</table>
PSYC 429 Advanced Methods in Cognitive Neuroscience
S1 0.0833 EFTS OL, OC 10 points
Exploration of methodological, empirical and theoretical issues in areas of cognitive neuroscience.
R PSYC 471

PSYC 430 Synthetic Plasticity Mechanisms
S1 0.0833 EFTS OL, OC 10 points
Exploration of synaptic mechanisms of memory formation.
R PSYC 474

PSYC 431 History and Theory of Drug Use and Abuse
NO 0.0833 EFTS OL, OC 10 points
Examination of traditional views on safety as reflected in current approaches to risk and safety, particularly in high-risk industries.
R PSYC 476

PSYC 432 Special Topic: Safety Science and Application
NO 0.0833 EFTS OL, OC 10 points
A course of lectures, workshops and supervised practicum work providing training in the application of interventions in clinical psychology.
LT PG Dip CI PSYC

Public Health

PSYC 495 Master's Thesis Preparation
FY 0.3333 EFTS OC 40 points
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the year prior to a Master's degree by paper and thesis.
LT MA MSc
Note: Admission requires an average grade of at least 85+ in 300-level PSYC papers and satisfactory performance in PSYC 311.

PSYC 501 Clinical Intervention
N1 0.625 EFTS OL, OC 75 points
A supervised internship of no less than 1500 hours at one or more placements approved by the Director of Clinical Psychology Training.
P PSYC 501, MAOR 102 LT PG Dip CI PSYC

PSYC 601 Clinical Psychology Internship
N1 1.0 EFTS OL, OC 144 points
To prepare students to work as a clinical psychologist. 
P SC PSYC 501, MAOR 102 LT PG Dip CI PSYC

Public Health

POPH 192 Population Health
S2 0.15 EFTS OL, OC 18 points
An introduction to the science of epidemiology, the study of the distribution and determinants of health and disease in human populations, and to different ways of understanding health.
R HEAL 191, PUBH 192 SC Arts and Music, Science
Note: From 2019, POPH 192 replaces PUBH 192 in the Health Sciences First Year course.

PUBH 202 Health Promotion
S2 0.15 EFTS OL, OC 18 points
Introduces health promotion principles, practice and evidence through such strategies as education, community development and healthy public policy, with particular relevance to promoting the health of New Zealand adolescents and young adults.
P 108 points
R HEAL 202 SC Arts and Music

PUBH 203 Health Policy and Politics: Global and Local
S1 0.15 EFTS OL, OC 18 points
Analysis of health policymaking processes, and approaches to organising, financing and providing health care in New Zealand and overseas, with reference to public policy, politics, economics and management.
P 108 points
R HEAL 203 SC Arts and Music

PUBH 204 Hauora Māori: Challenges and Opportunities
S2 0.15 EFTS OL, OC 18 points
An introduction to Māori public health, exploring the nature and extent of the Māori population, determinants of Māori health outcomes, Māori health inequities and initiatives to address these.
P 108 Points SC Arts and Music

PSYC 471 Principles of Epidemiology
N1 0.125 EFTS OL, OC 15 points
Introduction to the principles and practice of epidemiology, including measuring disease frequency, study design and methods, dealing with error, linking exposures with outcomes and critical appraisal of published research.
R HASC 311, PSYC 312, PUBH 701 LT MA, MHealSc, MMLSc, MPH, MSc, DPh, PGDipArts, PGDipHealSc, PGDipMLSc, PGDipPhC, PGCertPh, PGCertPhC L Dunedin, Wellington, Christchurch
Note: (i) PGCertPhC and PGDipPhC students require approval from the Board of Studies in Primary Health Care to enrol for this paper: (ii) This paper runs for the second half of the first semester.

PUBH 712 Foundations of Hauora Māori
N1 0.125 EFTS OL, OC 15 points
An overview of many aspects of, and approaches to, hauora Māori, including the impact and role of historical and political determinants in relation to contemporary hauora Māori outcomes.
R PUBH 709 LT MA, MHealSc, MPH, DPh, PGDipArts, PGDipHealSc, PGDipPhC, PGCertPh, PGCertPhC L Dunedin, Wellington, Christchurch
Note: This paper runs for the first half of first semester.

PUBH 713 Society, Health and Health Promotion
N1 0.125 EFTS OL, OC 15 points
Covers multiple factors that influence human health, how social structure and social change influence health outcomes, how public health and health promotion intervention address poor health outcomes and health inequities.
R PUBH 705 LT MA, MHealSc, MPH, DPh, PGDipArts, PGDipHealSc, PGDipPhC, PGCertPh, PGCertPhC L Dunedin, Wellington, Christchurch

Key
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; NO (200x): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
Introduction to linear regression.

statistics for discrete, continuous and right-censored data.

analysing data.

Development of skills to plan and undertake a qualitative

Primary Health Care to enrol for this paper. (ii)

Notes for PUBH 724-725: (i) PGCertPHC and PGDipPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (iii) This paper runs for the second half of second semester.

PUBH 732 Using Epidemiology in Public Health Practice

Summarising the health of a population, methods to monitor and prevent disease in populations and the evaluation of public health approaches to controlling disease.

PUBH 701

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC

Note: (i) PGCertPHC and PGDipPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (ii) This paper runs for the first half of second semester.

PUBH 733 Environment and Health

An introduction to the relationship between human health and environmental factors in New Zealand and globally. Sustainability frameworks, environmental health determinants and environmental relationships to health inequalities are integrated throughout.

PUBH 703

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC

Note: (i) PGCertPHC and PGDipPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (ii) This paper runs for the first half of the first semester. (iii) Please note that from 2019, this paper will be offered in the first half of the second semester.

PUBH 735 The Economics of Health Policy Decision Making

Principles of economic decision making in health, including macroeconomic foundations, demand and supply analysis, taxation, subsidies and policy options of health care, market failures and evaluation of health systems performance.

PUBH 704

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC

Note: (i) PGCertPHC and PGDipPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (ii) This paper runs for the first half of the first semester.

PUBH 736 Economic Evaluation

Skills in economic evaluation including types of economic evaluation, cost-effectiveness analysis, measuring and valuing costs and benefits, prioritisation and decision-making in health and evaluation of new health technologies.

PUBH 705

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC, PGCertTH

L Dunedin, Wellington, Christchurch

Notes: (i) PGCertPHC and PGDipPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (ii) This paper runs for the second half of second semester.

PUBH 737 Special Topic: One Health

An introduction to the One Health approach to understanding the ecology of infectious disease.

PUBH 706

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC, PGCertTH

L Wellington

Note: (i) PGCertPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (ii) This paper runs for the second half of second semester.

PUBH 738 Global Health and International Health Ethics

Developing law for global health in contemporary society; law and non-communistic diseases; impacts of globalisation and international law; ethical implications; relationships between global law and health and the environment.

PUBH 707

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC, PGCertTH

L Wellington

Note: (i) PGCertPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (ii) This paper runs for the first half of the first semester.

PUBH 739 Global Health and International Health Systems

An overview of the New Zealand health policy, service delivery and research contexts as they relate to hauora Maori, key examples and approaches are explored and critically analysed.

PUBH 708

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC, PGCertTH

L Dunedin, Christchurch

Note: This paper runs for the second half of first semester.

PUBH 740 Special Topic: Global Health Systems

Systems for global health governance and decision making in health systems and how different countries organise their health systems. Evaluation of the performance of different health systems.

PUBH 709

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC, PGCertTH

L Dunedin, Wellington

Notes: (i) PGCertPHC and PGDipPHC students require approval from the Board of Studies in Primary Health Care to enrol for this paper. (ii) This paper runs for the second half of second semester.

PUBH 741 Hauora Maori – Policy Practice and Research

An overview of the New Zealand health policy, service delivery and research contexts as they relate to hauora Maori, key examples and approaches are explored and critically analysed.

PUBH 710

LT MA, MheaSc, MH, DPH, PGDipArts, PGDipHealMgt, PGDipHealSc, PGDipPHC, PGCertPHC, PGCertTH

L Dunedin, Wellington

Note: This paper runs for the second half of second semester.
Quantitative Genetics

QGEN 401 Quantitative Genetics and Improvement
S2 0.1667 EFTS OL, OC, DL 20 points
Modern methods for quantitative genetics: basic concepts, genetic parameter and breeding value estimation, multivariate analysis, selection, analyses of genomic data, principles of breeding programme design, and New Zealand applications.

P: STAT 435

Note: Students who have passed STAT 435 may be admitted with approval from the Head of the Department of Mathematics and Statistics.

Radiation Therapy

RADT 121 Radiation Therapy Practice I
S1 0.0917 EFTS OL, OC 11 points
Medical and radiation therapy terminology, legal and ethical issues, surface and planar anatomy, linear accelerator use and radiation therapy techniques, qualities and skills in establishing healthcare professional-patient relationships, radiobiology.

LT BRT L Wellington

RADT 122 Anatomy and Imaging
FY 0.2666 EFTS OL, OC 32 points
Principles of anatomy and physiology of cell biology and all organ systems, with emphasis on lymphatic drainage, gross, surface and sectional anatomy. Includes the use of diagnostic images for body structure identification.

LT BRT L Wellington

RADT 123 Radiation Therapy and Oncology I
FY 0.25 EFTS OL, OC 30 points
Pathology and classification of tumours, treatment modalities, principles of radiobiology, radiation therapy techniques, patient care, pharmacology, clinical trials.

P: RADT 116
LT BRT L Wellington

RADT 124 Radiation Therapy Planning Concepts I
S2 0.1 EFTS OL, OC 12 points
Manual and computer treatment planning, attenuation factors, TAR and SSD techniques, JRCU 50/62, energy, beam arrangement, exit dose, weighting, normalisation, inhomogeneties, wedges, monitor units, organs at risk.

P: RADT 117
LT BRT L Wellington

RADT 125 Healthcare Communication
S2 0.0667 EFTS OL, OC 8 points
Principles of effective healthcare. Professional and patient communication in healthcare settings, including communication within healthcare teams. Special emphasis is given to oncology healthcare context.

P: RADT 114
LT BRT L Wellington

RADT 126 Health and Human Behaviour
S1 0.075 EFTS OL, OC 9 points
Introduction to psychological and sociological models of thinking about health and illness, with emphasis on diagnosis and treatment of life-threatening illness. Examines psychosocial impact from cancer, stress/coping, decision making and survivorship.

P: RADT 113
LT BRT L Wellington

RADT 127 Radiation Technology I
FY 0.15 EFTS OL, OC 18 points
Principles of physics with relevance to radiation therapy and the production of radiation. Principles of radiation protection, the construction and operation of radiation therapy and imaging equipment, diagnostic imaging techniques.

P: RADT 115
LT BRT L Wellington

RADT 211 Radiation Therapy Practice II
S1 0.5 EFTS OL, OC 60 points
Demonstration of safe and efficient practice in the application of radiation therapy techniques. Communication, teamwork, self management, quality assurance, patient care, reflective practice.

P: RADT 124
LT BRT L Wellington

Note: Candidates require a clinical placement to have been arranged before enrolling in this paper.

RADT 212 Principles of Research
S2 0.05 EFTS OL, OC 6 points
Introduction to the research process, analysis of research methodologies, use of information technology, ethics, critical evaluation of research papers and the use of statistical analysis in research.

P: RADT 125, 126
LT BRT L Wellington

RADT 213 Advanced Healthcare Communication
S2 0.0833 EFTS OL, OC 10 points
Perceptions of pain, management of pain, psychosocial impact of terminal illness, coping, personal management strategies.

P: RADT 125, 126
LT BRT L Wellington

RADT 214 Radiation Technology II
S2 0.1333 EFTS OL, OC 16 points
Types of radiation, machine calibration, quality assurance systems, radiation detection and measurement, treatment and imaging technology, radioactive materials.

P: RADT 127
LT BRT L Wellington

RADT 215 Radiation Therapy and Oncology II
S2 0.0833 EFTS OL, OC 10 points
Clinical rationale for selecting appropriate treatments, patient assessment methods, treatment reactions, combined modality treatments, carcinogenesis, genetics, pathology of tumours.

P: RADT 123
LT BRT L Wellington

RADT 216 Radiation Therapy Planning Concepts II
S2 0.15 EFTS OL, OC 18 points
Application of radiation therapy calculations, principles and concepts of planning for critiquing standard techniques, applied imaging and anatomy, effects of radiation on biological systems.

P: RADT 124
LT BRT L Wellington

RADT 311 Radiation Therapy Practice III
S2 0.5 EFTS OL, OC 60 points
Demonstration of safe practice across the domain CT/sim, planning and treatment. Quality assurance, problem solving, patient care, communication skills, reflective practice and coping strategies.

P: RADT 312-315
LT BRT L Wellington

RADT 313 Professional Development
S1 0.1 EFTS OL, OC 12 points
Professionalism, team work and conflict resolution. Strategies to minimise the development of stress and burnout. Reflective practice, career planning and continuing professional development.

P: RADT 213
LT BRT L Wellington

RADT 314 Radiation Therapy and Oncology III
S1 0.1167 EFTS OL, OC 14 points
Clinical rationale for selecting appropriate treatments, pathology of tumours, structure and function of New Zealand health system, resource implications.

P: RADT 215
LT BRT L Wellington

RADT 315 Radiation Therapy Planning Concepts III
S1 0.1833 EFTS OL, OC 22 points
Application of radiation therapy calculations. Ability to produce and critique radiation therapy computer plans. Applied anatomy and imaging. Application of radiobiology to the clinical setting.

P: RADT 215, 216
LT BRT L Wellington

RADT 401 Applied Radiation Therapy Advanced Practice
NO 0.25 EFTS OL, DL 30 points

P: RADX 401
LT PGCertHealSc
Rehabilitation

Rehab 701 Rehabilitation Principles
S1 0.25 EFTS OL, DL 30 points
A broad framework for understanding rehabilitation practice including the ICF, goal planning, compensation, systems and the ACC, ethical issues, team dynamics and the concept of transdisciplinary practice; cultural perspectives and person-centred rehabilitation.

Rehab 703 Musculoskeletal Rehabilitation
S1 0.25 EFTS OL, DL 30 points
A rehabilitation perspective on the assessment and management of musculoskeletal conditions including: back pain, joint pain disorders (including OA), inflammatory arthritis, osteoarthritis and limb amputation.

Rehab 706 Work Rehabilitation
S2 0.25 EFTS OL, DL 30 points
Understanding the workplace, workers and employers and using modern management techniques to reduce workforce injury and promote early return to work.

Rehab 707 Rehabilitation for the Older Adult
NO (2021) 0.25 EFTS OL, DL 30 points
The paper emphasises rehabilitation and management of conditions that cause impairment and activity limitation in older adults such as falls and cognitive impairment.

Rehab 710 Clinical Rehabilitation
NO 0.25 EFTS OL, DL 30 points
An investigation of current clinical rehabilitation practice through single case studies and clinical audit in association with clinical and academic mentors.

Rehab 712 Rethinking Rehabilitation
S2 0.25 EFTS OL, DL 30 points
Integration of the student’s reflections on their experience as clinician, consumer, funder/manager with research findings to evaluate contemporary and challenging rehabilitation process/outcome questions arising from their rehabilitation setting.

Rehab 713 Goal Setting and the Therapeutic Relationship
NO 0.25 EFTS OL, DL 30 points
Investigation of research, theory and ethics on goals and person-centred practice in rehabilitation and long-term conditions management.

Rehab 714 Personal and Psychological Factors in Rehabilitation
S1 0.25 EFTS OL, DL 30 points
An inquiry into personal and psychological factors that influence outcomes in rehabilitation and long-term conditions: Identification of risk and protective factors in rehabilitation.

Rehab 715 Cardiac and Pulmonary Rehabilitation
NO (2021) 0.25 EFTS OL, DL 30 points
An investigation of the theory, research and practice of rehabilitation and self-management in cardiac and pulmonary disease and ventilatory support in community settings.

Rehab 716 Rehabilitation with Children
S2 0.25 EFTS OL, DL 30 points
An investigation of theory, research and practice of inter-professional rehabilitation with children who have congenital or acquired health conditions in the context of family-centred practice.

Rehab 780 Research Project
NO 0.25 EFTS DL 30 points
A supervised research project up to 10,000 words involving the development, implementation and reporting of an original topic in the student’s area of professional interest.

Rehab 790 Dissertation
FY 0.5 EFTS OC 60 points

Religious Studies

RelS 101 Introduction to Judaism, Christianity and Islam
S2 0.15 EFTS OL, OC, DL 18 points
An introduction to the three major religions which originated in the Middle East.

RelS 102 Introduction to Hinduism and Buddhism
S1 0.15 EFTS OL, OC, DL 18 points
The ancient origins, classical traditions and contemporary forms of Hinduism and Buddhism including Hindu mythology, teachings of the Buddha, religious disciplines such as yoga and meditation, expression of devotion in art and architecture, spread of Indian religions to the West.

RelS 202 The Religions of Southeast Asia
SS 0.15 EFTS OL, OC, DL 18 points
A study of religion relating to archaeological sites, the arts and contemporary culture. Buddhism is the primary focus, but Hinduism, Islam and indigenous, including Chinese, traditions are also considered.

P 36 points
R RELS 330, RELX 202, 330
SC Arts and Music, Theology

RelS 203 Ancient Religion: Egypt to Mesopotamia
NO (2021) 0.15 EFTS OL, OC, DL 18 points
The religious practices, beliefs and texts of ancient Egypt, Mesopotamia and the Levant, ca. 3000–300 BCE.

P 36 points
R RELS 303
SC Arts and Music, Theology

RelS 205 World Christianity
NO (2021) 0.15 EFTS OL, OC, DL 18 points
The global expansion of Christianity, particularly in Asia and Africa, in the modern period, and the consequences for the practice of Christianity.

P 36 points
R RELS 305
SC Arts and Music, Theology
Note: May not be credited together with RELS 231 passed in 2013.

RelS 209 The Body in Asian Religions
S1 0.15 EFTS OL, OC, DL 18 points
An examination of some of the ways in which body, gender and sexuality are constructed and practiced in cultures dominated by Hindu and Buddhist ideals.

P 36 points
R RELS 309, RELX 209, 309
SC Arts and Music, Theology
Note: May not be credited together with RELS 233 or 333 passed in 2005.

RelS 212 Love and Heroism: Religions of South India
NO (2021) 0.15 EFTS OL, OC, DL 18 points
Examines the themes of love and heroism in three religious traditions indigenous to South India (Hinduism, Buddhism and Jainism) and the enculturation of Christianity and Islam in South India.

P 36 points
R RELS 312, RELX 212, 312
SC Arts and Music, Theology

RelS 214 New Religious Movements
NO 0.15 EFTS OL, OC, DL 18 points
A study of new religious movements (NRMs) in the modern world.

P 36 points
R RELS 316, RELX 216, 316
SC Arts and Music, Theology

RelS 216 Zen Buddhism
NO 0.15 EFTS OL, OC, DL 18 points
The history, doctrines, and practices of Chan Buddhism in China and Zen Buddhism in Japan. Zen practices, as meditation and koan, and the encounter with the “West”.

P 36 points
R RELX 316, RELX 216, 316
SC Arts and Music, Theology

RelS 217 Religion, Science, and Magic
S2 0.15 EFTS OL, OC, DL 18 points
Beginning with the contemporary debates regarding creationism, alternative medicine, and witchcraft (Wicca), the paper examines the relation between the modern sciences and the worlds of Kabbalah, alchemy, and apocalyptic religion from which they emerged.

P 36 points
R RELS 317
SC Arts and Music, Theology
### RELS 220 Representing Islam

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<tr>
<td>N1</td>
<td>Representing Islam</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or 330 or RELX 230 or 330 passed in 2009.</td>
</tr>
</tbody>
</table>

Representations of Islam in the West from the earliest times until the present with emphasis on enduring themes in the Western perception of Islam.

- P 36 points
- R RELX 326, RELX 226, 326
- SC Arts and Music, Theology

Note: May not be credited together with RELS 230 or 330 or RELX 230 or 330 passed in 2009.

### RELS 221 Special Topic: Zions, Fundamentalists and Liberals: Jews in the Modern World

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<tr>
<td>S1</td>
<td>Special Topic: Zions, Fundamentalists and Liberals: Jews in the Modern World</td>
<td>0.15</td>
<td>May not be credited together with RELS 330 when taken with the same content.</td>
</tr>
</tbody>
</table>

An introduction to Judaism in the modern world, with emphasis on contemporary issues and debates.

- P 36 points
- R RELX 329, RELX 229, 329
- SC Arts and Music, Theology

### RELS 222 Buddhism Thought

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<tr>
<td>S2</td>
<td>Buddhism Thought</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or 330 or RELX 230 or 330 passed in 2010.</td>
</tr>
</tbody>
</table>

A comprehensive and critical study of the common heritage shared by all Buddhist traditions through examination of the development of Buddhist thought in the Theravāda Buddhist textual tradition.

- P 36 points
- R RELX 327, RELX 227, 327
- SC Arts and Music, Theology

### RELS 224 Religion and Identity

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<tbody>
<tr>
<td>S2</td>
<td>Religion and Identity</td>
<td>0.15</td>
<td>May not be credited together with RELS 231 or 331 passed in 2013.</td>
</tr>
</tbody>
</table>

A study of religions relating to archaeological sites, the arts and contemporary culture. Buddhism is the primary focus, but Hinduism and other religious communities are examined.

- P 36 points
- R RELX 314, 314
- SC Arts and Music, Theology

### RELS 225 Science, Religion and Knowledge

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<th>Code</th>
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<tr>
<td>S2</td>
<td>Science, Religion and Knowledge</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or RELX 305.</td>
</tr>
</tbody>
</table>

Are science and religion in conflict? With this question, the nature of religion and science and the differing conceptions of knowledge found in scientific and religious communities are examined.

- P 36 points
- R RELX 325, RELX 325
- SC Arts and Music, Theology

### RELS 226 Mahayana Buddhism

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<th>Code</th>
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<tr>
<td>S2</td>
<td>Mahayana Buddhism</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or RELX 305.</td>
</tr>
</tbody>
</table>

The origins of Mahāyāna Buddhism in India, its spread to Tibet and East Asia and its relationship to other forms of Buddhism, including Theravāda.

- P 36 points
- R RELX 326, RELX 226, 326
- SC Arts and Music, Theology

### RELS 227 Buddhist Thought

<table>
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<th>Code</th>
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<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>S2</td>
<td>Buddhist Thought</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or 330 or RELX 230 or 330 passed in 2010.</td>
</tr>
</tbody>
</table>

A comprehensive and critical study of the common heritage shared by all Buddhist traditions through examination of the development of Buddhist thought in the Theravāda Buddhist textual tradition.

- P 36 points
- R RELX 327, RELX 227, 327
- SC Arts and Music, Theology

### RELS 228 Religion and Human Behaviour

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<tr>
<th>Code</th>
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<tr>
<td>S1</td>
<td>Religion and Human Behaviour</td>
<td>0.15</td>
<td>May not be credited together with RELS 231 or 331 passed in 2016.</td>
</tr>
</tbody>
</table>

An overview of the study of religions as cultural phenomena, with an emphasis on scientific explanations for what religions have in common and for the differences between them.

- P 36 points
- R RELX 338
- SC Arts and Music, Theology

### RELS 229 World Christianity (Advanced)

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<tr>
<th>Code</th>
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<tr>
<td>S2</td>
<td>World Christianity (Advanced)</td>
<td>0.15</td>
<td>May not be credited together with RELS 231 or 331 passed in 2008.</td>
</tr>
</tbody>
</table>

The global expansion of Christianity, particularly in Asia and Africa, in the modern period, and the consequences for the practice of Christianity.

- P 36 points
- R RELX 320
- SC Arts and Music, Theology

### RELS 230 Religious Movements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>EFTS</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>Religious Movements</td>
<td>0.15</td>
<td>May not be credited together with RELS 231 or 331 passed in 2013.</td>
</tr>
</tbody>
</table>

A study of new religious movements in the modern world.

- P 36 points
- R RELX 321, 321
- SC Arts and Music, Theology

### RELS 231 Religion, Law and Politics

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>S1</td>
<td>Religion, Law and Politics</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or RELX 305.</td>
</tr>
</tbody>
</table>

The interplay of religion, law and politics in contemporary India, Sri Lanka, America, New Zealand, Canada and elsewhere. Case study and theory: themes include secularism, religious freedom, pluralism and others.

- P 36 points
- R RELX 335, RELX 235, 335
- SC Arts and Music, Theology

### RELS 232 Religion and Identity

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>EFTS</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>S1</td>
<td>Religion and Identity</td>
<td>0.15</td>
<td>May not be credited together with RELS 231 or RELX 305.</td>
</tr>
</tbody>
</table>

A study of the contexts in which Europeans have encountered Asian religions since 1500, the representations of Asian religions which resulted and the uses to which such representations were put in European and Asian debate.

- P 36 points
- R RELX 335, RELX 235
- SC Arts and Music, Theology

### RELS 233 Love and Heroism: Religions of South India

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>EFTS</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>S1</td>
<td>Love and Heroism: Religions of South India</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or RELX 305.</td>
</tr>
</tbody>
</table>

Examines the themes of love and heroism in three religious traditions indigenous to South India (Hinduism, Buddhism and Jainism) and the entanglement of Christianity and Islam in South India.

- P 36 points
- R RELX 305, RELX 295
- SC Arts and Music, Theology

Note: Students who have not passed the normal prerequisite may be admitted with approval from the Head of Department.

### RELS 234 Religion and Identity

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>EFTS</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>S1</td>
<td>Religion and Identity</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or RELX 305.</td>
</tr>
</tbody>
</table>

How do religions generate identities? How does religious identity affect law, politics, economics and violence? We explore these questions in reference to Buddhism, Hinduism, Islam, neo-spirituality and more.

- P 36 points
- R RELX 314, 314
- SC Arts and Music, Theology

### RELS 236 Zen Buddhism

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>EFTS</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>S2</td>
<td>Zen Buddhism</td>
<td>0.15</td>
<td>May not be credited together with RELS 231 or RELX 305.</td>
</tr>
</tbody>
</table>

The history, doctrines, and practices of Chan Buddhism in China and Zen Buddhism in Japan. Zen practices, as meditation and Koan, and the encounter with the West. (Wicca), creationism, alternative medicine, and witchcraft (Wicca), the paper examines the relation between the modern sciences and the worlds of Kabalah, alchemy, and apocalyptic religion from which they emerged.

- P 36 points
- R RELX 217
- SC Arts and Music, Theology

### RELS 237 Philosophy of Religion

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>EFTS</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>S1</td>
<td>Philosophy of Religion</td>
<td>0.15</td>
<td>May not be credited together with RELS 230 or RELX 305.</td>
</tr>
</tbody>
</table>

An introduction to the philosophy of religion, with emphasis on what research in contemporary cognitive and evolutionary psychology says about human religious belief and behaviour.

- P 36 points
- R RELX 320
- SC Arts and Music, Theology

Note: May not be credited together with RELS 231 or RELX 305 passed in 2016.
A comprehensive and critical study of the common heritage shared by all Buddhist traditions through examination of the development of Buddhist thought in the Theravada Buddhist textual tradition.

P 18 200-level RELS or RELX points
S 2 0.15 EFTS OL, OC, DL 18 points

Between them.

For what religions have in common and for the phenomena, with an emphasis on science.

P 18 300-level RELS or RELX paper
S 4 0.25 EFTS OL, OC, DL 30 points

A study of the contexts in which Europeans have encountered Asian religions since 1500. The representations of Asian religions which resulted and the uses to which such representations were put in European and Asian debates.

P One 300-level RELS or RELX paper
S 2 0.15 EFTS OL, OC, DL 18 points

This is a critical study of a selected Buddhist text or texts. Provides an introduction to the methods appropriate to the study of ancient texts.

P RELS 310, RELX 310, 462
S 1 0.25 EFTS OL, OC, DL 30 points

A critical study of a selected Hindu text or texts. Provides an introduction to the methods appropriate to the study of ancient texts.

P RELX 430
S 2 0.15 EFTS OL, OC, DL 30 points

A supervised research dissertation of up to 20,000 words on an approved topic.
Science Communication

SCOM 209 Communicating Science – an Introduction
S1 0.15 EFTS OL, OC, DP 18 points
An introduction to science communication theory and practice, including non-fiction writing and filmmaking.
P 54 points
SC
Arts and Music, Science

SCOM 301 Science and the Public
S2 0.15 EFTS OL, OC 18 points
The theory and practice of making science public, including participatory science, outreach and public engagement events.
P 54 200 level points
RP SCOM 209
SC Arts and Music, Science

SCOM 402 The Craft of Storytelling
S1 0.1667 EFTS OC, DL 20 points
A seminar-based paper that explores the requirements for the core skill necessary for the communication of science and natural history – telling a story.
R NHFC 402, SCOM 432
Note: Normally available only to postgraduate students.

SCOM 403 Science and Creative Non-Fiction Writing
S2 0.1667 EFTS OC, DL 20 points
A seminar-based paper that examines the academic and theoretical issues associated with creative non-fiction and how science can best be popularised.
R NHFC 403, SCOM 433
Note: Normally available only to postgraduate students.

SCOM 404 Science Communication Internship ES, N1, N2, N3, N4 0.1667 EFTS OC, DL 20 points
Project-based development of professional skills and networks in a work setting, extending the skills and implementing practices and principles learned in other SCOM papers.
R NHFC 404, SCOM 434
LT PGCertSciComm, PGDipSciComm, MSciComm, MAPsci

Notes: (i) Admission is subject to approval from the Director, Centre for Science Communication. (ii) For MAPsci students, this paper is normally limited to the Science Communication subject.

SCOM 405 Business of Filmmaking
S2 0.1667 EFTS OC 20 points
The process and business of filmmaking, and the necessary critical skills to differentiate between bad filmmaking and good filmmaking.
R NHFC 405
LT PGCertSciComm, PGDipSciComm, MSciComm, MAPsci

Note: May be taken only by students enrolled for Science and Natural History Filmmaking options. Other postgraduate students may be admitted with approval from the Head of Department.

SCOM 406 Science Exhibitions and Interpretation
S2 0.1667 EFTS OC 20 points
Science communication for life-long learning via a range of avenues, which may include museums, science centres, national parks and other natural areas, participatory citizen science and science events.
R NHFC 406
LT PGCertSciComm, PGDipSciComm, MSciComm, MAPsci

Note: Normally available only to postgraduate students.

SCOM 409 Introduction to Science Communication
S1 0.1667 EFTS OL, OC, DL 20 points
A seminar-based introduction to models of science communication, theories of what science is, audiences and publics for science communication and how to communicate widely and effectively.
R
Note: Normally available only to postgraduate students.

SCOM 411 The Techniques of Natural History and Science Filmmaking 1
S2 0.1667 EFTS OC 20 points
LT PGCertSciComm, PGDipSciComm, MSciComm, MAPsci
Note: May be taken only by students enrolled for Science and Natural History Filmmaking endorsements.

SCOM 412 The Techniques of Natural History and Science Filmmaking 2
S2 C SCOM 411
LT PGCertSciComm, PGDipSciComm, MSciComm, MAPsci
Note: May be taken only by students enrolled for Science and Natural History Filmmaking endorsement.

SCOM 413 Digital Production for Science Communication
S1 0.1667 EFTS OC 20 points
Digital production targeted specifically at communicating science. A focus on developing multimedia skills that are used to enhance story-telling associated with communicating science.
Note: Normally available only to postgraduate students.

SCOM 419 Special Topic ES 0.1667 EFTS OC 20 points
Further development of skills associated with science and natural history filmmaking.
LT PGCertSciComm, PGDipSciComm, MSciComm, MAPsci
Notes: (i) May be taken by students enrolled for Science and Natural History Filmmaking options. (ii) Admission is subject to approval from the Head of Department.

SCOM 432 The Craft of Storytelling
S1 0.1667 EFTS DL 20 points
A seminar-based paper that explores the requirements for the core skill necessary for the communication of science and natural history – telling a story.
R NHFC 402, SCOM 402
LT MSciComm, PGDipSciComm, PGCertSciComm, MAPsci, PGCertAppSci
Note: Normally available only to international postgraduate students residing outside New Zealand. Students residing within New Zealand should enrol for SCOM 402 instead.

SCOM 433 Science and Creative Non-Fiction Writing
S2 0.1667 EFTS DL 20 points
A seminar-based paper that examines the academic and theoretical issues associated with creative non-fiction and how science can best be popularised.
R NHFC 403, SCOM 403

Note: Normally available only to international postgraduate students residing outside New Zealand. Students residing within New Zealand should enrol for SCOM 403 instead.

SCOM 434 Science Communication Internship ES, N1, N2, N3, N4 0.1667 EFTS DL 20 points
Project-based development of professional skills and networks in a work setting, extending the skills and implementing practices and principles learned in other Science Communication papers.
R NHFC 404, SCOM 404

Note: Normally available only to students enrolled for Science and Natural History Filmmaking options.

Social Work

SOWK 111 Working with People: The New Zealand Context
S1 0.15 EFTS OL, OC 18 points
An introduction to the context for academic and professional work in social services in New Zealand.
R SOWK 111, COMF 111, COMX 111
SC Arts and Music

SOWK 201 Fields of Practice
S2 0.15 EFTS OC 18 points
Introductory study and experience in selected areas of practice.
P (SOWK 111 or SOWX 111) or 54 points
R SOWK 114, SOWX 114
SC Arts and Music

SOWK 236 The Treaty and Social Services
S1 0.15 EFTS OL, OC 18 points
The application of the Treaty of Waitangi in social services in New Zealand.
P (SOWK 111 or SOWX 111) or 54 points
R SOWX 236, COMF 216
SC Arts and Music

Note: With approval, the prerequisite may be waived for BHealth students.

Note for SOWK 301, 302, 304: Non-BSW students may be admitted to this paper with approval from the Head of Department of Sociology, Gender and Social Work.

SOWK 301 Theories and Methods of Social Work
S1 0.15 EFTS OL, OC, DL 18 points
An introduction to the main theoretical traditions informing the practice of social work in the Aotearoa/New Zealand context, their expression in Social Work methods, and the location of these theories and models within an overview of theoretical perspectives.
R SOWK 551, SOWX 301
LT BSW

SOWK 302 Social Work for Children and Families – Analysis and Theory
S1 0.15 EFTS OL, OC, DL 18 points
Selected social issues commonly affecting children and families in Aotearoa/New Zealand. Social work responses and related conceptual issues in social work assessment.
R SOWK 316, 552, SOWX 302, 316
LT BSW

SOWK 303 Communities and Organisations – Analysis and Theory
S1 0.15 EFTS OL, OC, DL 18 points
Organisational and community theories, patterns and change and their application within community and social services in Aotearoa/New Zealand.
R SOWK 553, SOWX 303
LT BSW

SOWK 304 Kaupapa Māori, and Indigenous Approaches to Social Work
S2 0.15 EFTS OL, OC, DL 18 points
The application of Kaupapa Māori, Pacifica and indigenous approaches, including cross-cultural contexts, to social work practice.
R SOWK 319, 554, SOWK 304, 319
LT BSW

SOWK 320 Introduction to Professional Practice
S1 0.15 EFTS OL, OC, DL 18 points
Introductory study and application of social work roles and skills in preparation for practice.
R SOWK 420, 570, SOWK 320, 420
LT BSW

Note: Department of Sociology, Gender and Social Work.

Schedule & Location paper is taught at or from the location mentioned paper is taught at or from the location not mentioned.

Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers

Prescriptions

Key:
S1: first semester; S2: second semester; ES: each semester; FY: full year; SS: Summer School; N1-6: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; OL: paper supported by online learning management system; OC: Paper is available on campus; DL: Paper is available by distance learning; PC: Paper is available by postal correspondence; PG: Paper is available by postal correspondence; RP: Recommended concurrent study; SC: Schedule; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).

See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
SOWK 392 Fieldwork Practice I
S2 0.3 EFTS OL, OC, DL 36 points Introduction and orientation in social service and community settings and supervised practical work in the field.

P: SOWK 301, 302, 303, 320
PC: SOWK 304
R: SOWK 592
LT: BSW

SOWK 402 Micro Intervention: Theories and Skills
S1 0.1667 EFTS OL, OC, DL 20 points This paper offers an advanced application of interpersonal theories, develops intervention skills, and explores current issues in practice with children and families in social work settings.

P: 126 300-level SOWK or SOWX points
R: SOWK 401, 562, SOWK 404, 407
LT: BSW, BSW(Hons), MA, PGDipArts

Note for SOWK 403, 405: Non-BSW students may be admitted to this paper with approval from the Head of Department of Sociology, Gender and Social Work.

SOWK 403 Communities and Organisations — Advanced Practice
S1 0.1667 EFTS OL, OC, DL 20 points Professional frameworks of organisational and community change and development practice.

P: 126 300-level SOWK or SOWX points
R: SOWK 404, 563, SOWK 403, 404
LT: BSW, BSW(Hons), MA, PGDipArts

SOWK 404 Care and Protection
S1 0.1667 EFTS OL, OC, DL 20 points The development of specialist knowledge and skills in relation to care and protection of vulnerable children, young people and adults.

R: SOWK 504
LT: BSW, MSCW (Applied)

Note: May not be credited with SOWK 411 or SOWK 411 completed in 2013 or with SOWK 410 completed in 2015 or 2017.

SOWK 405 Social Work Issues Across the Lifespan
S1 0.1667 EFTS OL, OC, DL 20 points A lifespan perspective on issues encountered in social work practice.

P: 126 300-level SOWK or SOWX points
R: SOWK 505, SOWK 405
LT: BSW, MA

SOWK 406 Social Problems: Policies and Practice Models
NO 0.1667 EFTS OL, OC, DL 20 points Methods and theories of social, personal and organisation change in response to social problems. These are developed in relation to applied practice outcomes in social work.

P: 126 300-level SOWK or SOWX points
R: SOWK 318, SOWX 318, 406
LT: BSW, MA

SOWK 407 Kaupapa Māori and Social Work Practice
S1 0.1667 EFTS OL, OC, DL 20 points Training in Kaupapa Māori social work theory and methods, for work in social service organisations.

P: SOWK 304 or 554
R: SOWK 515
LT: BSW, MSCW (Applied)

Note: May not be credited with SOWK 411 or SOWK 411 completed in 2014 or with SOWK 410 completed in 2016

SOWK 408 Pasifika and Social Services
NO 0.1667 EFTS OL, OC, DL 20 points Critical exploration of contemporary Pacific social issues, considering and developing relevant social service responses to identified Pacific social issues.

R: SOWK 508
LT: BSW, MSCW (Applied)

Note: May not be credited with SOWK 411 or SOWK 521 completed in 2016 or 2017.

SOWK 409 Decision-making in Child Welfare
NO 0.1667 EFTS OL, OC, DL 20 points Critical examination, using the decision-making ecology framework, of macro, institutional and individual decision-maker influences on decision making in response to child abuse and neglect.

R: SOWK 509
LT: BSW

SOWK 410 Special Topic
NO 0.1667 EFTS OL, OC, DL 20 points
LT: BSW, MA

SOWK 411 Advanced Special Topic
NO 0.1667 EFTS OL, OC, DL 20 points
P: 126 300-level SOWK or SOWX points
R: SOWK 411
LT: BSW, MA

SOWK 423 Animals and Social Work
NO 0.1667 EFTS OL, OC, DL 20 points Critical exploration of the use of animals in social work and the helping professions within ethical, practice, policy and research frameworks.

R: SOWK 523
LT: BSW, MSCW (Applied)

Note: May not be credited with SOWK 522 completed in 2015, 2016 or 2017.

SOWK 480 Research Project
S1, FY 0.1667 EFTS OL, OC, DL 20 points A research paper in which key elements of social work practice are integrated within a research framework.

P: 126 300-level SOWK or SOWX points
R: SOWK 580, SOWX 480
LT: BSW, MA

SOWK 490 Dissertation
FY 0.1667 EFTS OL, OC, DL 40 points Supervised individual research on a topic in Social Work.

P: 126 300-level SOWK or SOWX points
R: SOWK 590, SOWX 490
LT: BSW(Hons), MA

SOWK 492 Fieldwork Practice 2
S2 0.3333 EFTS OL, OC, DL 40 points Advanced fieldwork practice (in a different setting from SOWK or SOWK 392).

R: SOWK 392, 402, 403
LT: BSW, BSW(Hons)

SOWK 504 Care and Protection
NO 0.25 EFTS OL, OC, DL 30 points The development of in-depth knowledge and enhanced skills in relation to the care and protection of vulnerable children and adults, with critical reflection on practice experience.

R: SOWK 404
LT: PGDipCP, PGDipSM, MSW

Note: May not be credited with SOWK 411 or SOWK 411 completed in 2013 or with SOWK 410 completed in 2015 or 2017.

SOWK 505 Lifespan Issues — Advanced Practice with Older Adults
S1 0.25 EFTS OL, OC, DL 30 points Examination of key issues encountered in advanced social work practice with older adults, using a lifespan perspective.

R: SOWK 405
LT: PGDipSW, MSCW (Applied), MSW

SOWK 508 Pasifika and Social Services
NO 0.25 EFTS OL, OC, DL 30 points Critical exploration of contemporary Pacific social issues, considering and developing relevant social service responses to identified Pacific social issues.

R: SOWK 408
LT: PGDipSW, MSW

Note: May not be credited with SOWK 411 or SOWK 521 completed in 2016 or 2017.

SOWK 509 Decision-making in Child Welfare
NO 0.25 EFTS OL, OC, DL 30 points Critical examination, using the decision-making ecology framework, of macro, institutional and individual decision-maker influences on decision making in response to child abuse and neglect.

R: SOWK 409
LT: PGDipSW, PGDipCP, MSW

Note for SOWK 510: Advanced Social Service Counselling
SO: 0.25 EFTS OL, DL 30 points

Introduction to key theories and techniques of social services counselling with particular application to mid-career social workers and other social service professionals.

LT: PGDipGW, MSW

SOWK 511 Advanced Family Practice
S2 0.25 EFTS OL, DL 30 points Advanced approaches to family practice and its application in the social services including the active development of professional family practice competence.

LT: PGDipGW, MSW

SOWK 515 1wi Social Services I — Contextual Issues
S1 0.25 EFTS OL, DL 30 points An introduction to the wider political issues that arise in the development of 1wi social services.

R: SOWK 407
LT: PGDipGW, MSW

SOWK 517 Social Policy Development
NO 0.25 EFTS OL, DL 30 points Analysis of the process of social policy development in New Zealand within a comparative international context, focusing on the skills and methods of social policy change.

LT: PGDipGW, MSW

SOWK 520 Social Services Research and Evaluation
NO 0.25 EFTS OL, DL 30 points Knowledge and skills in practice research and evaluation as methods of research appropriate for social service practitioners.

R: SOWK 520
LT: PGDipGW, MSW, PGDipCP

SOWK 521 Advanced Special Topic
NO 0.25 EFTS OL, DL 30 points Critical exploration of contemporary Pacific social issues, preparing students to develop a policy, practice or research framework about an identified Pacific social issue.

R: SOWK 521
LT: PGDipGW, MSW

SOWK 522 Advanced Studies Special Topic
NO 0.25 EFTS OL, DL 30 points

R: SOWK 522 completed in 2015, 2016 or 2017
LT: PGDipGW, MSW

Note: May not be credited with SOWK 522 completed in 2015, 2016 or 2017.

SOWK 551 Theories and Methods of Social Work
S1 0.1667 EFTS OL, OC, DL 20 points The application of theory to social work and development of a case-based practice framework. Case studies include youth justice, foster care, health (physical and mental), family violence, (dis)ability, and family support practice domains.

R: SOWK 301
LT: MSCW(Applied), PGDipGW

SOWK 552 Child and Family Social Work
S1 0.1667 EFTS OL, OC, DL 20 points The spectrum of child and family social work, covering the macro environment, the family support/prevention domain, the statutory child protection context, and issues for children and young people in care.

R: SOWK 302

SOWK 553 Communities and Organisation — Analysis and Theory
S1 0.1667 EFTS OL, OC, DL 20 points Organisational and community theories, patterns and change and their application within community and social services in Aotearoa/New Zealand.

R: SOWK 303
LT: MSCW(Applied), PGDipGW

SOWK 554 Kaupapa Māori and Indigenous Approaches to Social Work
S2 0.1667 EFTS OL, OC, DL 20 points The application of Kaupapa Māori, Pasifika and Indigenous approaches, including cross-cultural contexts, to social work practice.

R: SOWK 304
LT: MSCW(Applied), PGDipGW
SOWK 562 Micro Intervention - Theories and Skills
S1 0.1667 EFTS OL, OC, DL 20 points
Uses micro-level social work perspectives and theories to critically analyze cases and develop micro-level skills informed by key theoretical traditions. Case studies include child, youth and family scenarios.

SOWK 563 Communities and Organisations – Advanced Practice
S1 0.1667 EFTS OL, OC, DL 20 points
Uses practice research to critically examine professional frameworks of organisational and community change and development practice.
P: SOWK 553
R: SOWK 403
LT: MSCW (Applied), PDG DipSW

SOWK 570 Introduction to Professional Practice
S1 0.1667 EFTS OL, OC, DL 20 points
Uses skills-based training to teach interpersonal skills and professional practice in different settings.
R: SOWK 320
LT: MSCW (Applied), PDG DipSW

SOWK 580 Research Project
PY 0.1667 EFTS OL, OC, DL 20 points
A supervised social work research project based on the student's topic of interest. The project should demonstrate knowledge of integrative and critical social work research and practice.
P: 120 500-level SOWK points
R: SOWK 480
LT: MSCW (Applied), PDG DipSW

SOWK 592 Fieldwork Practice 1
S2 0.2083 EFTS OL, OC, DL 25 points
Introduction to social work in social service and community settings through supervised fieldwork placement.
R: SOWK 551-553, 570
PC: SOWK 554
R: SOWK 492
LT: MSCW (Applied), PDG DipSW

SOWK 593 Fieldwork Practice 2
S2 0.2083 EFTS OL, OC, DL 25 points
Advanced fieldwork practice in a setting different from that for SOWK 592.
R: SOWK 562, 563, 592
R: SOWK 492
LT: MSCW (Applied)
Note: Full-time students should normally enrol for SOWK 592 in the second semester. Part-time students may enrol for SOWK 593 in the first semester if they have already completed the prerequisite.

SOWK 680 Research Project
NO 0.25 EFTS OL, DL 30 points
Note: Admission subject to approval from Head of the Department of Sociology, Gender and Social Work.

Sociology

SOCI 101 Sociology of New Zealand Society
S1 0.15 EFTS OL, OC 18 points
An introduction to core concepts in sociology, dealing in particular with class, gender and race/ethnicity.
SC: Arts and Music

SOCI 102 Cultural and Social Identities
S1 0.15 EFTS OL, OC 18 points
An introduction to the social scientific analysis of culture, society and identity, including issues of identity politics, socialisation, the self in everyday life, stigma, the politics of ethnicity and the social dynamics of power.
SC: Arts and Music
Note: May not be credited together with SOCI 101 passed before 2006.

SOCI 103 Crime, Deviance and Social Transformation
S2 0.15 EFTS OL, OC 18 points
An introduction to research in criminology in global and local contexts, addressing debates related to crime, deviance and social transformation from a sociological viewpoint.
SC: Arts and Music

SOCI 201 Sociological Research in Practice
S1 0.15 EFTS OL, OC 18 points
An introduction to how sociological research is undertaken, with a specific focus on how to research social problems in New Zealand society, research design, ethical considerations and techniques of sociological data collection.
P: (SOCI 101 or 102 or 103) or 54 points
SC: Arts and Music
Note: May not be credited together with GEOG 280 passed before 2005.

SOCI 202 Sociological Theory
S1 0.15 EFTS OL, OC 18 points
Introduces the three classical theoretical schools in sociology, examining the works of Marx, Durkheim and Weber and the enduring relevance of their ideas to key issues in contemporary social theory.
P: (SOCI 101 or 102 or 103) or 54 points
SC: Arts and Music

SOCI 203 Young People and Society
S2 0.15 EFTS OL, OC 18 points
Critical examination sociological and criminological insights into the place of youth in society, the social construction of youth and the discourses of risk associated with being young.
P: SOCI 101 or 102 or 103 or 54 points
SC: Arts and Music
Note: May not be credited together with SOCI 204 passed in 2018.

SOCI 204 Special Topic
S2 0.15 EFTS OL, OC 18 points
Examination of health and wellbeing from a societal perspective, linking individual experiences to social structure and uncovering health inequalities across the life course.
P: (SOCI 101 or 102 or 103) or 54 points
SC: Arts and Music

SOCI 205 Social Inequality
S2 0.15 EFTS OL, OC 18 points
A critical examination of various forms of inequalities within New Zealand and globally.
P: (SOCI 101 or 102 or 103) or 54 points
SC: Arts and Music

SOCI 207 Families and Society
S2 0.15 EFTS OL, OC 18 points
The form and function of families, and major issues and forces shaping families in Aotearoa/New Zealand.
P: (SOCI 101 or 102 or 103) or 54 points
R: SOWK 233, SOWX 233
SC: Arts and Music

SOCI 208 Environmental Sociology
S1 0.15 EFTS OL, OC 18 points
An introduction to research in environmental sociology with an emphasis on the social processes, dynamics and institutions that are influential in contemporary environmental crises.
P: (SOCI 101 or 102 or 103) or 54 points
SC: Arts and Music

SOCI 213 Concepts of the Self
NO (2021) 0.15 EFTS OL, OC 18 points
An introduction to the historical development of ideas about 'self'. Identifies tensions between perceived agency and cultural conventions or social practices which regulate the self.
P: (SOCI 101 or 102 or 103) or 54 points
SC: Arts and Music

SOCI 301 Mixed Methods
S2 0.15 EFTS OL, OC 18 points
Skills in reading, interpreting, and understanding sociological data, focusing on discovering the social world by mixing methods, i.e. integrating qualitative and quantitative methods within a single project.
P: 18 200-level SOCI, ANTH, CRIM, GEND points or 54 200-level Arts points
R: EDUC 351
SC: Arts and Music
Note: May not be credited together with SOCI 304 passed in 2010.

SOCI 302 Theories of Social Power
S2 0.15 EFTS OL, OC 18 points
Examines the interconnections between an individual's knowledge and social power, critically analysing the complex interrelationships between individual freedom and structural determinism in the expression of social power. Case studies include war demonstrations, Greenpeace, and New Zealand's drink-driving legislation and advertising campaigns.
P: 18 200-level SOCI, ANTH, CRIM, GEND points or 54 200-level Arts points
SC: Arts and Music

SOCI 304 Special Topic
NO (2021) 0.15 EFTS OL, OC 18 points
Exploration of mediated representations of crime and how these impact on societal understandings of, and responses to, crime; the changing relationships between technology, social media, crime and law enforcement practices.
P: 18 200-level SOCI, CRIM or GEND points or 54 200-level Arts points
SC: Arts and Music
Note: SOCI 304 may not be credited with SOCI 204 taken in the same year. When the topics of the papers differ, SOCI 304 and SOCI 204 passed in different years may both be credited.

SOCI 305 Family Demography
S1 0.15 EFTS OL, OC 18 points
Changing family forms in New Zealand and around the world.
P: 18 200-level SOCI, ANTH, CRIM or GEND points or 54 200-level Arts points
SC: Arts and Music

SOCI 306 Public Sociology
S2 0.15 EFTS OL, OC 18 points
Applying sociological theory and research methodologies in community-based research projects.
P: 18 200-level SOCI points
SC: Arts and Music
Note: May not be credited together with SOCI 304 passed between 2012-2014.

SOCI 309 Special Topic 2
NO 0.15 EFTS OL, OC 18 points
Use of theory within Science and Technology studies to better understand new dynamics in social and economic life and to explore prospects and possibilities for post-capitalist futures.
P: 54 200-level points from Arts and Music Schedule C
SC: Arts and Music

SOCI 310 Social Movements and Popular Project
S2 0.15 EFTS OL, OC 18 points
An introduction to classic and contemporary debates in social movement studies and critical examination of popular resistance in local and global contexts.
P: 18 200-level SOCI, ANTH, CRIM or GEND points or 54 200-level Arts points
SC: Arts and Music
Note: May not be credited together with SOCI 404 completed in 2015 or 2016.

SOCI 313 The Subject in Postmodern Society
S1 0.15 EFTS OL, OC 18 points
Examines in detail the construction of the subject in writing in the contemporary period; its complex and contradictory nature and the implications for the construction of the subject in and beyond sociology.
P: 18 200-level SOCI, CRIM, GEND or ANTH points or 54 200-level Arts points
R: SOCIO 303
SC: Arts and Music

Key:
S: first semester; S2: second semester; E: each semester; FY: full year; SS: Summer School; N1-5: non-standard periods; ND: not offered in 2020; NO (20XX): not offered, expected to be offered in the year noted; DL: Paper supported by online learning management system; PC: Paper is available on campus; DL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; PC: Prerequisite or corequisite; R: Restriction; LT: Limited to; RP: Recommended preparation; RC: Recommended concurrent study; SC: Schedule C; L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin). See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
Spanish

SPAN 131 Introductory Spanish 1
ES
0.15 EFTS OL, OC, DL 18 points
An introductory course in reading, writing, listening to, and speaking Spanish for students with no previous knowledge of the language.
R
SPAN 132 or any other more advanced Spanish language paper
SC
Arts and Music
Note: This paper is for beginners only and is not available to students who have passed NCEA Level 2 or 3 (or equivalent) in Spanish. For further information, contact the Programme Coordinator (languages@otago.ac.nz).
SPAN 132 Introductory Spanish 2
S2
0.15 EFTS OL, OC, DL 18 points
A continuation of SPAN 131, further developing skills in reading, writing, listening to, and speaking Spanish for students with some basic knowledge of the language.
S
SPAN 101 or 131
R
SPAN 102 or 231 or any other more advanced Spanish language paper
SC
Arts and Music
Note: (i) Students should choose the level of paper appropriate to their knowledge of the language. Students may be moved to a higher or lower level of language paper at the discretion of the Programme Co-ordinator. (ii) You may be able to take this paper without the prerequisite if you can demonstrate your capability by applying for Special Permission to take the course. (iii) Please list any qualifications you have gained e.g. NCEA, and years studied, as well as a note of any other exposure to this language. This request together with any documentation you provide or request for the transfer of credit(s) will be submitted for approval.

Notes for SPAN 231-232: (i) Students should choose the level of paper appropriate to their knowledge of the language. Students may be moved to a higher or lower level of language paper at the discretion of the Programme Co-ordinator. (ii) If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.
SPAN 231 Intermediate Spanish 1
S1
0.15 EFTS OL, OC, DL 18 points
The development of skills in Spanish language to an intermediate level, with emphasis on speaking, listening, reading and writing. Students will increase their proficiency in Spanish communication and develop their knowledge of the culture and values of Spanish peoples.
S
SPAN 102 or 132
R
SPAN 201 or 232 or any other more advanced Spanish language paper
SC
Arts and Music
SPAN 232 Intermediate Spanish 2
S2
0.15 EFTS OL, OC, DL 18 points
A continuation of SPAN 231, further developing intermediate-level skills in speaking, listening, reading and writing in the grammatical analysis of Spanish.
S
SPAN 201 or 231
R
SPAN 202 or 331 or any other more advanced Spanish language paper
SC
Arts and Music
SPAN 233 Business Spanish
NO
0.15 EFTS OL, OC, DL 18 points
The development of communication skills in business-related and professional Spanish language to an intermediate level, with emphasis on speaking, listening, reading and writing. Students will also be introduced to the cultural protocols involved in conducting business and professional activities in Spanish-speaking countries.
S
SPAN 201 or 231
R
SPAN 202 or 331 or any other more advanced Spanish language paper
SC
Arts and Music
SPAN 243 Latin American Culture and Literature
S1
0.15 EFTS OL, OC, DL 18 points
Explores the shaping of Latin American culture out of its indigenous, European and African roots. (For students with knowledge of Spanish, texts will be in Spanish)
S
SPAN 250 Sacred Stories: Myths and Legends in Hispanic Culture
S1
0.15 EFTS OL, OC, DL 18 points
An examination of myths that have defined Hispanic culture, through the study of literature, film and the visual arts.
S
SPAN 300 100-level SPAN points or 36 points
R
SPAN 350
SC
Arts and Music
SPAN 251 Latin American Cultural Travel
0.15 EFTS OL, OC, DL 18 points
An examination and interpretation of traveling as a cultural learning discovery, as well as how travel is represented in Latin American narrative.
S
SPAN 202 or 232
R
SPAN 301, 302, 332 or any other more advanced Spanish language paper
SC
Arts and Music
SPAN 331 Advanced Spanish 1
S1
0.15 EFTS OL, OC, DL 18 points
Consolidates and further develops students’ written, oral and aural skills using an approach based on real-life encounters and situations.
S
SPAN 202 or 232
R
SPAN 301, 302, 332 or any other more advanced Spanish language paper
SC
Arts and Music
SPAN 332 Advanced Spanish 2
S2
0.15 EFTS OL, OC, DL 18 points
Consolidates and further develops students’ written, oral and aural skills at an advanced level using authentic written and spoken texts with an emphasis on registers and regional variation in Spanish.
S
SPAN 331
SC
Arts and Music
Note: If you have previous knowledge of the language you can still enrol in this paper via Special Permission as part of paper selection on the Review and Submit page or email languages@otago.ac.nz for assistance.
SPAN 341 Special Topic in Hispanic Studies
NO
0.15 EFTS OL, OC, DL 18 points
PL
SPAN 200-level SPAN points
SC
Arts and Music
SPAN 342 The Spanish Civil War and Historical Memory
NO (2021)
0.15 EFTS OL, OC, DL 18 points
PL
SPAN 341 on 100-level SPAN points
SC
Arts and Music
SPAN 350 Sacred Stories: Myths and Legends in Hispanic Culture (advanced)
S1
0.15 EFTS OL, OC, DL 18 points
An examination of myths that have defined Hispanic culture, through the study of literature, film and the visual arts.
S
SPAN 200-level SPAN points or 54 points
R
SPAN 250
SC
Arts and Music
SPAN 350 Prescriptions

Note for SOCI 319, 401-403: Students who have not passed the normal prerequisites may be admitted with approval from the Head of Department.

SOCI 319 The Global Politics of Food
S1
0.15 EFTS OL, OC, DL 18 points
Theories and issues relating to the global politics of food and agriculture.
P
180-level SOCI, ANTH, CRIM or GEN points or
540-level Arts points
R
ANTH 319
SC
Arts and Music
SOCI 401 Qualitative Research Ethics
S2
0.1667 EFTS OL, OC, DL 20 points
Aims to make students employ a qualitative methodology familiar with the epistemological and ethical issues they are likely to encounter in a formal ethics review. Explores common ethical dilemmas that routinely confront qualitative researchers in the field.
P
72-300-level SOCI points
SOCI 402 Advanced Sociological Theory
S2
0.1667 EFTS OL, OC, DL 20 points
Builds on the theoretical knowledge acquired by students at 100-, 200- and 300-level. Supplements SOCI 490.
P
72-300-level SOCI points
SOCI 403 Micro-Sociology
NO (2021)
0.1667 EFTS OL, OC, DL 20 points
Focuses on the specific interface between the individual's experience of contemporary society and the theoretical concepts of post-modernism and post-structuralism.
P
72-300-level SOCI points
SOCI 404 Special Topic
NO
0.1667 EFTS OL, OC, DL 20 points
SOCI 409 Special Topic in Sociology
NO (2022)
0.1667 EFTS OL, OC, DL 20 points
Special topic presenting key concepts in the theory and practice of sociology.
P
72-300-level SOCI points
SOCI 410 Alternative Futures
S1
0.1667 EFTS OL, OC, DL 20 points
Relying on theory at the margin, this paper explores alternative forms of social organisation and human relationships.
P
72-300-level SOCI points
SOCI 490 Dissertation
FY
0.5 EFTS OC 60 points
Individual research in an approved topic, culminating in a dissertation of no more than 20,000 words.
P
72-300-level SOCI points
LT
BA(Hons), PGDipArts
SOCI 590 Research Dissertation
N1, N2
0.5 EFTS OC, DL 60 points
A supervised research dissertation of up to 20,000 words on an approved topic.
LT
MA

Software Engineering
SENG 490 Dissertation
FY
0.3333 EFTS OL, OC, DL 40 points
A supervised project involving original research and leading to the production of a dissertation.
LT
BAppSc(Hons), PGDipAppSc, PGDipSci
Notes: (i) Admission normally requires at least a B average in the 300-level papers taken previously. (ii) Doing SENG 490 in a single semester is exceptional and requires approval from the Head of Department.
SENG 580 Research Project
FY
0.3333 EFTS OL, OC, DL 40 points
A supervised project involving research and leading to the production of a research report.
LT
MAppSc

Prescriptions
Sport, Physical Education and Exercise

SPEX 101: Sport, Science and Society
- 1.5 EFTS
- OL, OC
- 18 points
- A critical overview of the nature and influence of sport in society, exploring the intersections between the fields of science, health, education, politics and the economy.
- R: PHSE 101
- SC: Arts and Music, Commerce, Science
- SPEX 102: Principles of Exercise for Health and Performance
- 1.5 EFTS
- OL, OC
- 18 points
- An introduction to the principles and practice of exercise science, including relevant myths or misconceptions.
- R: PHSE 102
- SC: Arts and Music, Science
- SPEX 201: Biomechanics
- 1.5 EFTS
- OL, OC
- 18 points
- An introduction to the mechanical principles and analytical techniques that can be applied to understand human structure and function.
- P: ANAT 101 or HUBS 191 or PHSE 191
- R: PHSE 202
- SC: Science
- SPEX 202: Motor Behaviour
- 1.5 EFTS
- OL, OC
- 18 points
- An introduction to the discipline of motor behaviour, consisting of motor control, learning, and development. Covers the topics of skill acquisition and the systems and function of human movement.
- P: PHSL 101 or PHSE 191 or HUBS 191 or PHSE 191 or PSYCH 111
- R: PHSE 202
- SC: Science
- SPEX 203: Exercise Physiology
- 1.5 EFTS
- OL, OC
- 18 points
- Acute and chronic responses to exercise, including limits within and between individuals, effects of different types of exercise and environments, effects on health, and methods of analysing responses, limitations and effects.
- P: PHSE 102 or PHSL 101 or PHSE 191 or HUBS 191
- R: PHSE 203
- SC: Science
- SPEX 204: Psychology of Sport and Exercise
- 1.5 EFTS
- OL, OC
- 18 points
- An introduction to the influence of social psychological variables on participation and performance in sport and exercise, and the influence of that participation on the psychological characteristics of participants.
- R: PHSE 203
- SC: Arts and Music, Science
- SPEX 205: Physical Activity and Health
- 1.5 EFTS
- OL, OC
- 18 points
- Exploring the health benefits of physical activity, design of physical activity initiatives in schools, workplace and communities, exercise recommendations for healthy individuals and the role of exercise in disease prevention.
- P: PHSL 102 or PHSE 192 or PHSE 191 or PHSL 101 or POPHI 192 or PUBH 191
- R: PHSE 315, 515
- SC: Science
- SPEX 206: Te Pūo o te Ora Māori Physical Education and Health
- 1.5 EFTS
- OL, OC
- 18 points
- P: 72 points
- R: PHSE 320
- RP: SPEX 101 or 102 or MAOR 102
- SC: Arts and Music, Science
- SPEX 207: Understanding Sports Coaching
- 1.5 EFTS
- OL, OC
- 18 points
- An examination of what it means to be a sports coach in Antarctica/New Zealand, drawing on research grounded in pedagogy, psychology, sociology, economics, gender, environmental science and management.
- P: 72 points
- RP: SPEX 101
- SC: Arts and Music, Science
- SPEX 208: Sociology of Sport and Exercise
- 1.5 EFTS
- OL, OC
- 18 points
- An exploration of the sociological significance of sport and exercise in contemporary society, including an understanding of the cultural, political and economic processes of sport.
- P: 72 points
- RP: PHSE 206
- SC: Arts and Music, Science
- SPEX 209: Sport Development and Management
- 1.5 EFTS
- OL, OC
- 18 points
- An overview of sport organisations at the local, national, regional and international level, exploring the management objectives in education, health and social welfare, addresses management challenges around inclusion, equity and sustainability.
- P: 72 points
- RP: PHSE 339, 340, 539, 540
- SC: Arts and Music, Commerce, Science
- SPEX 301: Performance Analysis
- 1.5 EFTS
- OL, OC
- 18 points
- An overview of emerging theories, skills and techniques for analysing individual as well as group/team performance.
- P: SPEX 201 or PHSE 202
- RP: PHSE 302, 502
- SC: Science
- SPEX 302: Skill Acquisition across the Lifespan
- 1.5 EFTS
- OL, OC
- 18 points
- An examination of skill acquisition and development as the human body grows from birth till death.
- P: SPEX 202 or (PHSE 202, 203)
- RP: PHSE 305, 505
- SC: Science
- SPEX 303: Exercise Energetics and Physiology
- 1.5 EFTS
- OL, OC
- 18 points
- Application of physiological and biochemical principles to understand how muscle metabolism, whole body energetics and physiological systems are impacted by exercise such that performance and health can be altered.
- P: One of BIOC 221-223, PHSE 203, SPEX 203, or 36 approved PHSL points
- RP: PHSE 301, 401, 500, 501
- SC: Science
- SPEX 304: Sport Psychology
- 1.5 EFTS
- OL, OC
- 18 points
- An in-depth examination of the role social psychological variables play in participation and performance in sport.
- P: SPEX 204 or PHSE 205
- RP: PHSE 334, 534
- SC: Arts and Music, Science
- SPEX 305: Athletic Conditioning and Rehabilitation
- 1.5 EFTS
- OL, OC
- 18 points
- The study of evidence-based practice for sport-specific conditioning and rehabilitation to reduce the risk of injury and improve performance in athlete populations.
- P: (Two of SPEX 201-203) or (PHSE 202 and 203)
- RP: PHSE 310
- SC: Science
- SPEX 306: Te Pūo o Te Koronga Advanced Māori Physical Education and Health
- 1.5 EFTS
- OL, OC
- 18 points
- Application of Māori worldview and the relationships between tangata (people) and whenua (land), waka (canoe), moana (ocean) and wai (water).
- P: SPEX 206 or PHSE 104 or 320 or 54 200-level MAOR points
- SC: Arts and Music, Science
SPEX 307 Coaching, Leadership and Mentoring  
S2 0.15 EFTS OL, OC 18 points  
A theoretical analysis of what it means to be a quality coach and in doing so engage with contemporary debates across coaching, mentoring and ethics.  
P  SPEX 207 or PHGE 101  
R PHGE 330  
SC Arts and Music, Science

SPEX 308 Psychology of Physical Activity  
S1 0.15 EFTS OL, OC 18 points  
Critically examines the influence of social psychological factors on decisions to adopt and maintain physical activity and the relationships between physical activity and psychological well-being.  
P  SPEX 204 or 205 or PHGE 205 or 334  
R PHGE 336, 536  
SC Arts and Music, Science

SPEX 309 Active Living and Environment  
S1 0.15 EFTS OL, OC 18 points  
A comprehensive approach to active living in urban and natural environments, development of a physical activity plan for a healthy, active city and population-based approach for promoting physical activity.  
P  SPEX 205 or PHGE 315  
SC Science

SPEX 310 Exercise for Clinical Populations  
S1 0.15 EFTS OL, OC 18 points  
An overview of the physiological changes that occur with age, obesity and medical conditions and the impact these changes have on exercise prescription.  
P  SPEX 203 or (PHGE 202, 203)  
R PHGE 311, 511  
SC Science

SPEX 311 Sports Technology  
S2 0.15 EFTS OL, OC 18 points  
How various applications of technology have influenced the way that sport is played. Students will be required to critique the relationship of sport and technology from a multidisciplinary perspective.  
P  SPEX 202 or PHGE 202  
R PHGE 329, 531  
SC Science

SPEX 312 Advanced Sociology of Sport  
S1 0.15 EFTS OL, OC 18 points  
A sociological examination of contemporary issues related to the cultural, political and economic impact of sport and exercise both locally and globally.  
P  SPEX 208 or PHGE 206 or 54 points from Arts and Music and/or Commerce Schedule C  
SC Arts and Music, Science

SPEX 313 Sport and Health Policy  
S2 0.15 EFTS OL, OC 18 points  
An examination of policy formulation and implementation at international, national and municipal levels. Analysis of social and economic policies relating to sport, physical activity and health.  
P  SPEX 209 or PHGE 339  
R PHGE 422  
SC Arts and Music, Commerce, Science

SPEX 314 Advanced Sport Management  
S2 0.15 EFTS OL, OC 18 points  
A critical examination of selected principles of management in New Zealand sport development.  
P  SPEX 209  
R PHGE 340, 430  
SC Arts and Music, Commerce, Science

SPEX 315 Sport Media  
S2 0.15 EFTS OL, OC 18 points  
An examination of the interrelationships between sport and media and culture. The focus is on the production, representation, consumption and regulation of sport and the media at the local and global levels.  
P  SPEX 208 or PHGE 206 or 54 points from Arts and Music and/or Commerce Schedule C  
SC Arts and Music, Commerce, Science

SPEX 316 Practicum  
ES, FY 0.15 EFTS OL, OC 18 points  
Practicums, internships and placements offer students the chance to apply knowledge from their degree to support their development of professional ‘knowing’ and judgement.  
P  72 SPEX or PHGE points at 200-level or above  
SC Arts and Music, Science  
Note: Only available to students in the Physical Education, Activity and Health; Exercise and Sport Science; or Sports Development and Management major subjects.

SPEX 380 Special Topic: Adventure and the Environment  
NO 0.15 EFTS OL, OC 18 points  
An exploration of adventure in the natural environment from historical, psychological and sociological perspectives. Of particular interest are sustainable human relationships with nature and the contribution adventure engagement makes to contemporary experimental practices and debates.  
P  72 points at 200-level or above  
R PHGE 416  
SC Science

SPEX 401 Research Methods in Sport, Exercise and Health  
S1 0.1667 EFTS OL, OC, DL 20 points  
Advanced study of methodologies used in sport, health and exercise research.  
LT BAPPSC(Hons), BSCI(Hons), PGDIPSCI, MSCI, PCERTAPPSC, PGDIPAPPSC, MAPPSC, MSPDM, PGDIPSPDM

SPEX 440 Advanced Topics in Physical Education, Activity and Health  
S1 0.1667 EFTS OL, OC 20 points  
Advanced study of selected topics examining the relationship between physical education, physical activity and health.  
P  72 300-level points  
LT BAPPSC(Hons), BSCI(Hons), PGDIPSCI, MSCI, PCERTAPPSC, PGDIPAPPSC, MAPPSC, MSPDM, PGDIPSPDM

SPEX 441 Advanced Topics in Physical Education, Activity and Health  
S2 0.1667 EFTS OL, OC 20 points  
Advanced study of selected topics examining the relationship between physical education, physical activity and health.  
P  72 300-level points  
LT BAPPSC(Hons), BSCI(Hons), PGDIPSCI, MSCI, PCERTAPPSC, PGDIPAPPSC, MAPPSC, MSPDM, PGDIPSPDM

SPEX 450 Advanced Topics in Exercise and Sport Science  
S1 0.1667 EFTS OL, OC 20 points  
Advanced study of two modules (each worth 10 points) from a selection of topics in exercise and sport science.  
P  72 300-level points  
LT BAPPSC(Hons), BSCI(Hons), PGDIPSCI, MSCI, PCERTAPPSC, PGDIPAPPSC, MAPPSC, MSPDM, PGDIPSPDM

SPEX 451 Advanced Topics in Exercise and Sport Science  
S2 0.1667 EFTS OL, OC 20 points  
Advanced study of two modules (each worth 10 points) from a selection of topics in exercise and sport science.  
P  72 300-level points  
LT BAPPSC(Hons), BSCI(Hons), PGDIPSCI, MSCI, PCERTAPPSC, PGDIPAPPSC, MAPPSC, MSPDM, PGDIPSPDM

SPEX 460 Advanced Topics in Sport Development  
S1 0.1667 EFTS OL, OC 20 points  
Advanced study of two modules (each worth 10 points) from a selection of topics in sport development.  
P  72 300-level points  
LT BAPPSC(Hons), BSCI(Hons), PGDIPSCI, MSCI, PCERTAPPSC, PGDIPAPPSC, MAPPSC, MSPDM, PGDIPSPDM

SPEX 461 Advanced Topics in Sport Development  
S2 0.1667 EFTS OL, OC 20 points  
Advanced study of two modules (each worth 10 points) from a selection of topics in sport development.  
P  72 300-level points  
LT BAPPSC(Hons), BSCI(Hons), PGDIPSCI, MSCI, PCERTAPPSC, PGDIPAPPSC, MAPPSC, MSPDM, PGDIPSPDM

SPEX 480 Research Project  
FY 0.3333 EFTS OL, OC, DP 40 points  
A supervised project involving research on an approved topic in the areas of Sport, Exercise and Health or Sport Development and Management, leading to the production of a report.  
LT PGDIPSCI, PGDIPSPDM

SPEX 481 Independent Study  
ES 0.1667 EFTS OL, OC, DP 20 points  
An original research project, or an approved topic or project relating to sport development and management.  
LT MSFDM

SPEX 490 Dissertation  
FY 0.5 EFTS OL, OC 60 points  
A supervised project involving original research and leading to the production of a dissertation.  
LT BSCH(Hons)

SPEX 495 Master’s Thesis Preparation  
FY 0.3333 EFTS OL, OC, DP 40 points  
Preparation of a thesis proposal/preliminary thesis research. Normally taken by students in the papers year for a Master’s degree by papers and thesis.  
LT MSc

SPEX 516 Practicum  
NO (2021) 0.25 EFTS OL, OC 30 points  
A 360-hour practical experience in the sport development and management field.  
C SPEX 517  
LT MSFDM

SPEX 517 Practicum Report  
NO (2021) 0.25 EFTS OL, OC 30 points  
A report on the SPEX 516 practicum.  
C SPEX 516  
LT MSFDM

Sports Medicine  

SPME 701 Issues in Sports Medicine  
S1 0.25 EFTS OL, DL 30 points  
The foundations of the multidisciplinary study of sports medicine to include core anatomy, physiology, nutrition and human movement.  
R SPMX 701  
LT MHealSc, PGCorpHC, PGDipPHC, PGDipSEM, PGDipPhy, PGDipHealSc, MP PHY

SPME 702 Medical Aspects of Exercise  
NO (2021) 0.125 EFTS OL, DL 15 points  
The issues which relate to the supervision and care of individuals involved in sport and recreational activities.  
LT MHealSc, PGCorpHC, PGDipPHC, PGDipSEM, PGDipPhy, PGDipHealSc, MPH Y

SPME 703 Sports Nutrition  
S2 0.25 EFTS OL, DL 30 points  
The relationship between nutrition and exercise and the application of human nutrition to sport and sport performance.  
R CMNX 407, HUNT 355, NUTN 407, NUTX 407, SPMX 703  
LT MHealSc, PGDipSEM, PGDipPhy, MPHY, PGDipHealSc

SPME 705 Health and Human Performance  
NO (2021) 0.125 EFTS OL, DL 15 points  
The physical, psychological and social needs of special groups in the sport and recreational setting, including the young athlete, the veteran, the female athlete and the disabled competitor.  
LT MHealSc, PGDipSEM, PGDipPhy, MPHY, PGDipHealSc

SPME 707 Regional Sports Injury  
S1 0.125 EFTS OL, DL, DP 15 points  
The issues which relate to the supervision and care of individuals involved in sport and recreational activities, with specific emphasis on the prevention and treatment of commonly encountered injuries to the upper limb.  
R SPMX 707  
LT MHealSc, PGCorpHC, PGDipPHC, PGDipSEM, PGDipPhy, PGDipHealSc

 prescriptions
Statistics

STAT 110 Statistical Methods  
S1, S2 0.15 EFTS OL, OC 18 points  
Descriptive statistics, probability distributions, estimation, hypothesis testing, regression, analysis of variance and experimental design. Sampling and design principles of techniques to build on in the implementation of research studies. 
R STAT 115, BSNS 102 or 112, QUAN 101  
SC Arts and Music, Science  

STAT 115 Introduction to Biostatistics  
S2 0.15 EFTS OL, OC 18 points  
A paper for students in health-related subjects, in particular nutrition, food science, epidemiology, exercise science, psychology, and the health sciences. Topics covered include the nature of random variation, the concepts of bias and confounding, study design, data description including risks and odds, binomial and normal distributions, estimation, hypothesis testing, regression, the control of confounders, critical appraisal, and the analysis of variance.  
R STAT 110, BSNS 102 or 112, QUAN 101  
SC Arts and Music, Science  

STAT 210 Applied Statistics  
S1 0.15 EFTS OL, OC 18 points  
A core paper on using statistical models to address scientific questions. Regression models for continuous, binomial and count data, analysis of variance, cluster analysis, principal component analysis, analysis research design.  
P STAT 110 or 115 or BSNS 112  
ECON 210, FINC 203, STAT 241  
SC Arts and Music, Science  

STAT 260 Visualisation and Modelling in R  
S2 0.15 EFTS OL, OC 18 points  
An introduction to computer skills needed for the statistical sciences, using the software R. Covers reproducible research, data wrangling, visualisation, exploratory data analysis, resampling and simulation.  
P (STAT 110 or 115 or BSNS 102 or 112) and 54 additional points.  
R STAT 380  
SC Arts and Music, Science  

STAT 270 Probability and Inference  
S1 0.15 EFTS OL, OC 18 points  
An introduction to the theory that underlies the statistical methods introduced in STAT 110/115. Probability theory, random variables and distributions, expectation, variance, likelihoods, estimators and confidence intervals, hypothesis testing, and Bayesian inference.  
P MATH 160 and one of STAT 110, 115, COMO 101, 185NS 112  
R STAT 261  
SC Arts and Music, Science  

STAT 310 Statistical Modelling  
S1 0.15 EFTS OL, OC 18 points  
Statistical model building, motivated by real applications. Topics include regularisation, lasso, splines, non-linear regression, generalised linear models, model checking and introduction to mixed models.  
P (STAT 210 or ECON 210 or FINC 203) and STAT 260  
R STAT 341  
SC Arts and Music, Science  

STAT 311 Design of Research Studies  
S1 0.15 EFTS OL, OC 18 points  
Design of studies to address different types of research questions. Survey methods, experimental and observational studies, measurement, control of confounding and bias, evaluation of competing designs, determination of study size.  
P (STAT 210 or PSYC 210) or (STAT 110 or 115 and 54 additional points at 200 level or above)  
R STAT 251  
SC Arts and Music, Science  

STAT 312 Modelling High Dimensional Data  
S2 0.15 EFTS OL, OC 18 points  
An introduction to the statistical learning techniques commonly used to analyse high-dimensional (or multivariate) data. Penalised regression, classification trees, clustering, dimension-reduction, bagging, boosting, random forests and ensemble learning.  
P (STAT 210 or ECON 210 or FINC 203) and STAT 260  
R STAT 242, 342  
SC Arts and Music, Science  

STAT 370 Statistical Inference  
S2 0.15 EFTS OL, OC 18 points  
A continuation of the theoretical development begun in STAT 270, this paper will cover the theory of ordinary least squares, maximum likelihood estimation and inference, hypothesis testing, and Bayesian inference.  
P (STAT 261 or 270) and MATH 170  
R STAT 362  
SC Arts and Music, Science  

STAT 371 Bayesian Data Analysis  
S2 0.15 EFTS OL, OC 18 points  
Introduction to Bayesian methods with an emphasis on data analysis. Topics include prior choice, posterior assessment, hierarchical modelling and model fitting using R, JAGS and other freely available software.  
P STAT 260 and (STAT 261 or 270)  
SC Arts and Music, Science  

STAT 372 Stochastic Modelling  
S1 0.15 EFTS OL, OC 18 points  
Applications of stochastic models to real-world processes observed over time and space. Topics include Poisson processes, renewal processes, Markov chains, hidden Markov models, geostatistics, spatial point processes, model fitting, and exploratory simulation.  
P STAT 261 or 270  
SC Arts and Music, Science  

STAT 399 Special Topic  
NO 0.15 EFTS OL, OC 18 points  
The software R is used to introduce computer skills needed for the statistical sciences. Reproducible research, visualisation, exploratory data analysis, optimisation, resampling, simulation and R programming.  
P (STAT 210 or ECON 210 or FINC 203) and STAT 260  
R STAT 260, 380  
SC Arts and Music, Science  

SPME 708 Regional Sports Injury 2  
S2 0.125 EFTS OL, DL 15 points  
The issues which relate to the supervision and care of individuals involved in sport and recreational activities, with specific emphasis on the prevention and treatment of commonly encountered injuries to the lower limb.  
R SMX 708  
LT MiHaSc, PGCPPhC, PGDPPhC, PGDPSEM, PGDPPhy, MPPhy, PGDPHeaSc  

SPME 709 Women in Sport: Health Issues  
S2 0.25 EFTS OL, DL 30 points  
The recognition and management of specific issues relating to the physically active female, including active leisure to high performance sport.  
R SMX 709  
LT MiHaSc, PGCPPhC, PGDPPhC, PGDPSEM, PGDPPhy, MPPhy, PGDPHeaSc  

SPME 710 Sports Ergonomics  
NO (2021) 0.25 EFTS OL, DL 30 points  
The interaction between the sports person and their environment, specifically its effect on injury mechanisms and injury prevention including interaction with other particular aspects of the surface on which the sport is performed, and equipment used.  
LT MiHaSc, PGDPSEM, PGDPPhy, MPPhy, PGDPHeaSc  

SPME 711 Exercise Prescription  
S2 0.25 EFTS OL, DL 30 points  
An appreciation of the link between physical activity and health in the contemporary primary care setting that promotes interprofessional collaboration.  
R SMX 711  
LT MiHaSc, PGCPPhC, PGDPPhC, PGDPSEM, PGDPPhy, MPPhy, PGDPHeaSc  

Sports Technology  
See Applied Sciences programme requirements (page 78).
Surgical Anatomy

SURV 101 Introductory Surveying
ES 0.15 EFTS OL, OC, DL 18 points
An introduction to basic surveying principles, techniques, instruments and computational procedures.
R SURV 111, SURK 101, 111 SC Science
Note: SURV 101 is taught on campus during semester one and by distance during semester two. If SURV 101 is taken on campus then departmental permission is not required.

SURV 102 Geospatial Science
S2 0.15 EFTS OL, OC 18 points
A study of techniques as applied in surveying to built and natural environments, including statistics, trigonometry, mechanics, engineering, introductory programming, Geographic Information Systems (GIS) and remote sensing.
SC Science

SURV 201 Surveying Techniques
S1 0.1334 EFTS OL, OC, DP 18 points
The use and calibration of standard surveying instruments. Includes fundamental surveying techniques and computational procedures, GNSS RTK surveying, and an introduction to precise engineering surveys.
PC SURV 208 and one of SURV 101, 111, SURX 210, 221 R SURV 211 LT BSURV, BSC Note: May only be taken by BSurv students or BSc students majoring in Surveying Measurement.

SURV 202 Surveying Mathematics
S2 0.1334 EFTS OL, OC 18 points
An introduction to the mathematical methods used in spatial positioning and analysis. Includes concepts of measurement, least squares analysis using observation equations, transformations, spherical trigonometry and map projections.
P SURV 201 or 211 PC MATH 160 R SURV 212 SC Science

SURV 203 Land Development Engineering 1
S1 0.1334 EFTS OL, OC 18 points
An introduction to civil engineering materials, stress analysis, fluid mechanics, hydrology and technical drawing.
P (SURV 102 or 112) and MATH 160 R SURV 213 SC Science

SURV 204 Land Development Engineering 2
S2 0.1334 EFTS OL, OC 18 points
An introduction to the design and layout of the engineering works needed in land development, including earthworks, culverts, roads, ancillary services and parking facilities.
P (SURV 102 or 112) and MATH 160 R SURV 214 SC Science

SURV 205 Statutory Planning A
S2 0.1334 EFTS OL, OC 18 points
An introduction to statutory planning, the purpose and functions of the Resource Management Act 1991, including sustainability, local authority planning documents, stakeholder consultation, notification, effects, examples of assessments of environmental effects and resource consent applications.
P 108 points including one ENGL paper R SURV 114, 215 SC Science

SURV 206 Land Tenure 1
S1 0.1334 EFTS OL, OC, DP 18 points
Introduction to land tenure and property rights in New Zealand. The history of land tenure change in New Zealand from pre-colonial times to the present, including Maori values in land, the Treaty of Waitangi, the Maori Land Court, the Waitangi Tribunal, and land related legislation.
P 108 points R SURV 216 SC Science

SURV 207 Cadastral Surveying 1
S2 0.1334 EFTS OL, OC, DP 18 points
An introduction to New Zealand cadastral surveying procedures and practice, cadastral data preparation and basic boundary definition.
P SURV 201 or 211 R SURV 217 LT BSURV, BSC Note: May only be taken by BSurv students or BSc students majoring in Surveying Measurement.

SURV 208 Introduction to Geographic Information Systems
S1 0.1334 EFTS OL, OC 18 points
An introduction to the principles, methods and concepts of geographic information systems (GIS). The uses of spatial data for mapping, presenting, transforming and analysing information are emphasised.
P 54 points R SPIN 201, SURV 218 SC Commerce, Science

SURV 297 Land Development Field Course
N1 0 EFTS OL, OC, DP 0 points
Application of fundamental land development techniques. Digital data acquisition and processing for road design and associated engineering calculations. Plan production using road design software packages.
P SURV 203, 204

SURV 298 Introductory Field Camp
N1 0 EFTS OL, OC, DP 0 points
Review of basic surveying techniques and instruments.
P One of SURV 101, 111, SURX 101, 111 LT BSURV, BSC Note: May only be taken by BSurv students or BSc students majoring in Surveying Measurement.

SURV 299 Second Year Field Course
N1 0 EFTS OL, OC, DP 0 points
Application of fundamental surveying techniques. Digital data acquisition and processing. Road design and set out.
P (SURV 203 or 213) and (SURV 204 or 214) LT BSURV, BSC Note: Students must have attended the lectures and passed the tests of the Calculation Module of SURV 207.

SURV 301 Surveying Techniques
S1 0.1334 EFTS OL, OC 18 points
An introduction to the surveying techniques and analysis that require an understanding of geodetic principles. Includes angle, EDM and GPS measurements.
P (SURV 201 or 211) and (SURV 202 or 212) SC Science

SURV 302 Geodetic Reference Systems and Network Analysis
S1 0.1334 EFTS OC 18 points
An introduction to field astronomy and geodesy including height systems, precise levelling gravity and geodetic datums. Advanced methods of analysing surveying data including error ellipses, automated network adjustment, and network analysis.
P SURV 202 or 212 R SURV 312 SC Science

SURV 303 Urban Design 1
S1 0.1334 EFTS OL, OC 18 points
An introduction to the design of subdivisions and principles of urban design. The understanding required in the feasibility, design and planning of urban and suburban land development.
P (SURV 203 or 213) and (SURV 204 or 214) SURV 315 SC Science

SURV 304 Land Development Engineering 3
S2 0.1334 EFTS OL, OC 18 points
An introduction to the design, construction and installation of engineering services for land development, including water, wastewater, stormwater, electrical, street lighting, communication and gas.
P SURV 203 or 213 SURV 315, 324 SC Science

SURV 306 Land Tenure 2
S1 0.1334 EFTS OL, OC 18 points
A study of current New Zealand case law, legislation and policies relating to rights in property, boundary law and title to land (both frehold and Maori customary), particularly as they relate to surveyors and planners.
P SURV 206 or 216 or 219 SURV 316 R SURV 317 SC Science

SURV 307 Cadastral Surveying 2
S2 0.1334 EFTS OL, OC 18 points
Further development of the concepts of cadastral boundary definition in New Zealand, together with the calculation and presentation of the associated datasets. The cadastral survey dataset requirements for various types of land tenure, and an introduction to limited title surveys.
P SURV 207 or 217 PC SURV 306 or SURV 316 R SURV 317 SC Science

SURV 309 Introduction to Remote Sensing Technologies
S1 0.1334 EFTS OL, OC 18 points
Introduction to the theory of electromagnetic radiation, remote sensing systems, multispectral scanners, radar instruments, image processing and image interpretation, as used in environmental monitoring. Photogrammetric image system calibration, data reduction, and systematic error analysis. Stereoscopic instrumentation, object space control and basic mission planning.
P 216 points R SURV 318, 509 SC Science

SURV 319 Spatial Algorithms and Programming
S2 0.1334 EFTS OL, OC 18 points
Spatial data structures and algorithms, underpinning by spatial databases and programming, including customisation of GIS software.
P SURV 102 and (SURV 208 or 218 or SPIN 201) R SURV 519 RP COMP 150 SC Commerce, Science

SURV 322 Hydrographic Surveying
NO (2021) 0.1334 EFTS OL, OC, DP 18 points
An introduction to the hydrographic industry, hydrographic specifications, position fixing, datums, tides, instrumentation, data capture, sounding reduction, and plotting.
P (SURV 211 and 212) or (SURV 201 and 202) SC Science

SURV 329 Special Topic
ES 0.1334 EFTS OL, OC, DP 18 points
A course of directed reading in an approved topic.
P 216 points R SURV 330 SC Science
Note: Departmental permission is required to take this paper.
SURV 399 Third Year Field Course
N1 0.0 EFTS 0 points
Application of precise surveying techniques. Network analysis and adjustment.
PC (SURV 301, 302) or (SURV 311, 312)
SC Science

SURV 410 Management Issues in Geographic Information Systems
NO 0.1334 EFTS 0 points
Current issues in spatial data management including open standards, especially metadata and web services, spatial data infrastructure, legal issues in spatial data use and professionalising the GIS workforce.
P 216 points (including SURV 208 or 218 or SPIN 201)
R SURV 472, 510
SC Commerce, Science

SURV 411 Advanced Spatial Analysis and Modelling
S2 0.1334 EFTS 0 points
Spatial analysis, including geostatistics and network analysis, including an introduction to incorporating spatial principal components analysis, spatial regression and AI-based techniques such as fuzzy logic and expert systems.
P 216 points (including SURV 208 or 218 or SPIN 201)
R SURV 310, 511, 508 SPIN 402
RP SURV 319
SC Commerce, Science

SURV 412 Geovisualisation and Cartography
NO (2021) 0.1334 EFTS 0 points
A theoretical and practical grounding in geographic information visualisation. Alongside the conventional map display, alternative (non-) spatial representations, interfaces to geographic data and visual exploration of complex datasets will be covered.
P 216 points (including SURV 208 or 218 or SPIN 201)
R SURV 512
SC Commerce, Science

SURV 413 Resource Mapping and Image Processing
S2 0.1334 EFTS 0 points
Digital image pre-processing and processing, including advanced processing techniques. Field data collection, image classification, and image enhancement. Students will produce a resource map and critically evaluate its accuracy based upon literature searches and field checks.
P SURV 309 or 318
R SURV 424, 513
SC Science

SURV 450 Professional Practice
S2 0.132 EFTS 0 points
Professional bodies, duties and behaviour. Professional practice and management.
P 216 points
R SURV 418
SC Science
Note: May only be taken by students in the final year of study for a degree.

SURV 451 Surveying Methods 3
S1 0.1334 EFTS 0 points
The study of advanced surveying methods and tools including GPS position models, data processing methods and contemporary GPS. Positioning applications including deformation monitoring and analysis methods. Introduction to the space based positioning systems and global datums.
P (SURV 301 or 311) and (SURV 302 or 312)
R SURV 421, 551
SC Science

SURV 452 Hydrographic Surveying 2
NO (2021) 0.1334 EFTS 0 points
Fundamentals of acoustics, multibeam sonar systems, navigation compensation, side scan sonar methods, LiDAR, bathymetry, acoustic positioning, reporting, charting and error analysis, and electronic navigation charts (ENCs).
P (SURV 301 or 311) and (SURV 302 or 312) and SURV 322
R SURV 422, 552
SC Science

SURV 453 Urban Design 2
S2 0.1334 EFTS 0 points
Advanced urban design and land development planning. Sustainability in urban design, urban design theory, place making and the built environment.
P SURV 303 or 315
PC PMAN 401
R SURV 425, 553
SC Science
Note: Non-Surveying students must seek approval from the Dean of the School of Surveying before enrolling in this paper.

SURV 454 Environmental Engineering
NO 0.1334 EFTS 0 points
A discussion of the cause and impact of environmental effects and how environmental engineering is involved in providing the means of avoidance, remediation or mitigation of adverse effects on the environment.
P 216 points
R SURV 428, 554
SC Science

SURV 455 Statutory Planning B
S1 0.1334 EFTS 0 points
Research and practice for the preparation and presentation of resource consent applications (notification requirements, assessments of environmental effects and public participation) under the Resource Management Act 1991; the functions, roles and decisions of the Environment Course and the Environmental Protection Authority.
P SURV 225 and 270 points
R SURV 335, 555
SC Science

SURV 456 Land Tenure 3
NO (2021) 0.1334 EFTS 0 points
An exposure to wider issues of land tenure, land administration, land registration and cadastral surveying in the national and international arena.
P 216 points
R SURV 426, 556
RP SURV 306 or 316
SC Science
Note: May not be credited together with SURV 427 passed before 2005.

SURV 457 Cadastral Surveying 3
S1 0.1334 EFTS 0 points
An in-depth cadastral project requiring field work and a full dataset for LINZ Judgement. Advanced case studies of cadastral surveys, limited title surveys, surveyor's responsibilities, digital cadastres, licensing issues.
P SURV 307 or 317
R SURV 427, 557
SC Science

SURV 458 Marine Law and the Environment
NO 0.1334 EFTS 0 points
An introduction to the law of the sea relating to hydrography including on-shore and off-shore boundary definition, delimitation zones, and the extent of continental shelves. Includes ocean policy, product liability, maritime law, and associated environmental issues.
P 216 points
R SURV 429, 558
SC Science

SURV 459 Engineering Surveying
S2 0.1334 EFTS 0 points
Precise surveying for engineering, scientific or industrial purposes. Includes survey techniques and management for major structures, tunnels, mining, deformation, and industrial measurement applications.
P (SURV 301 or 311) and (SURV 302 or 312)
R SURV 431, 559
SC Science
Note: May not be credited together with SURV 421 passed before 2005.

SURV 460 Construction Management
S2 0.0667 EFTS 0 points
Construction contracts and construction management for land development.
P PMAN 401 or 501
R SURV 432
SC Science

SURV 462 Hydrographic Field Design and Voyage
NO 0.1334 EFTS 0 points
Planning, set up, execution, management, analysis and reporting of hydrographic surveys, including field work and voyage components.
PC SURV 452, PMAN 401
R SURV 462
SC Science

SURV 463 Advanced Practical Techniques in Hydrography
NO 0.1334 EFTS 0 points
Advanced course: planning, execution, management, analysis and reporting of a hydrographic survey, with student-led fieldwork and voyage components.
PC SURV 462
R SURV 563
SC Science
Note: For SURV 469, 470, 474, 480: Students must seek approval from the Dean of the School of Surveying before enrolling in this paper.

SURV 469 Special Topic
ES 0.1334 EFTS 0 points
A course of directed reading in a approved topic.
R SURV 430, 569
SC Science

SURV 470 Professional Project
ES 0.1334 EFTS 0 points
A project representative of the kind of professional report done in a government agency, surveying practice, consulting firm, etc.
P 360 points
SC Science

SURV 473 Special Topic
FY 0.2668 EFTS 0 points
Courses in approved topics.
R SURV 573

SURV 474 Special Topic
FY 0.2668 EFTS 0 points
Courses in approved topics.
R SURV 574

SURV 480 Research Project
FY, N1 0.2668 EFTS 0 points
A supervised project involving research and leading to the production of a research report.
R SURV 481
SC Science

SURV 499 Vacation Employment
ES, FY 0.0 EFTS 0 points
Approved work experience.
LT (SURV, BUS(Hons))
SC Science

SURV 509 Introduction to Remote Sensing Technologies
S1 0.1482 EFTS 0 points
Introduction to the theory of electromagnetic radiation, remote sensing systems, multispectral scanners, radar instruments, image processing and image interpretation, as used in environmental monitoring. Photogrammetric image system calibration, data reduction, and systematic error analysis. Stereoscopic instrumentation, object space control and basic mission planning.
P 216 points
R SURV 318, 309

SURV 510 Management Issues in Geographic Information Systems
NO 0.1482 EFTS 0 points
Current issues in spatial data management including spatial data infrastructure, open standards, metadata and web services, multisensor data modelling, legal issues in spatial data use and professionalising the GIS workforce.
P 216 points (including SURV 208 or 218 or SPIN 201)
R SURV 410, 472

Key:
S1: first semester; S2: second semester; ES: each semester; FY: full year; S Summer School; N1-6: non-standard periods; NO: not offered in 2020; NO(20XX): not offered, expected to be offered in the year noted; OL: Paper supported by online learning management system; OC: Paper is available on campus; OL: Paper is available by Distance Learning; DP: Departmental permission required; P: Prerequisite; C: Corequisite; RC: Required concurrent study; SC: Schedule C: L: Location paper is taught at, or from (if no location mentioned, paper is taught at, or from, Dunedin).
See page 108 for more information. *Up-to-date information on non-standard periods, paper availability and class times is available at otago.ac.nz/courses/papers
Advanced Spatial Analysis and Modelling
S2  0.1482 EFTS OL, OC  20 points
Spatial analysis, including geostatistics and network analysis. Environmental modelling incorporating spatial principal components analysis, spatial regression and AI-based techniques such as fuzzy logic and expert systems.
P  216 points (including SURV 208 or 218 or SPIN 2011)
R  SURV 310, 411, 508, SPIN 402
RP  One of SURV 319, 519

Geovisualisation and Cartography
NO (2021)  0.1482 EFTS OL, OC  20 points
A theoretical and practical grounding in geographic information visualisation. Alongside the conventional map display, alternative (non-) spatial representations, interfaces to geographic data and visual exploration of complex datasets will be covered.
P  216 points (including SURV 208 or 218 or SPIN 2011)
R  SURV 412

Resource Mapping and Image Processing
S2  0.1482 EFTS OL, OC  20 points
Digital image pre-processing and processing, including advanced processing techniques. Field data collection, image classification, and image enhancement. Students will produce a resource map and critically evaluate its analysis based upon literature searches and field checks.
P  SURV 309 or 318
R  SURV 413, 424

Spatial Algorithms and Programming
S2  0.1482 EFTS OL, OC  20 points
Spatial data structures and algorithms, underpinned by spatial databases and programming, including customisation of GIS software.
P  SURV 102 and (SURV 208 or 218 or SPIN 2011)
R  SURV 319
RP  COMP 150

Advanced Surveying Methods
S1  0.1482 EFTS OL, OC  20 points
The study of advanced surveying methods and tools including GPS positioning models, data processing methods and contemporary GPS. Positioning applications including deformation monitoring and analysis methods. Introduction to other space based positioning systems and global datums.
P  (SURV 301 or 311) and (SURV 302 or 312)
R  SURV 421, 451

Advanced Hydrographic Surveying
NO (2021)  0.1482 EFTS OL, OC  20 points
Fundamentals of acoustics, multibeam sonar systems, motion compensation, side scan sonar methods, LiDAR bathymetry, acoustic positioning, reporting, charting and error analysis, and electronic navigation charts (ENCs).
P  (SURV 301 or 311) and (SURV 302 or 312)
R  SURV 422, 425

Advanced Urban Design
S2  0.1482 EFTS OL, OC  20 points
Advanced urban design and land development planning: sustainability in urban design, urban design theory, place making and the built environment.
P  SURV 303 or 315
PC  PMAN 401
RP  SURV 425, 453

Advanced Environmental Engineering
NO  0.1482 EFTS OL, OC  20 points
A discussion of the cause and impact of environmental effects and how environmental engineering is involved in providing the means of avoidance, remediation or mitigation of adverse effects on the environment.
P  216 points
R  SURV 428, 454

Advanced Statutory Planning
S1  0.1482 EFTS OL, OC  20 points
Research and practice for the preparation and presentation of resource consent applications (notification requirements, assessments of environmental effects and public participation) under the Resource Management Act 1991; the function, roles and decisions of the Environment Court and the Environmental Protection Authority.
P  SURV 205 and 270 points
R  SURV 335, 455

Advanced Land Tenure
NO (2021)  0.1482 EFTS OL, OC  20 points
An exposure to wider issues of land tenure, land administration, land registration and cadastral surveying in the national and international arena.
P  216 points
R  SURV 426, 456

Advanced Cadastral Surveying
S1  0.1482 EFTS OL, OC  20 points
An in-depth cadastral project requiring field-work and a full dataset for LINZ lodgement. Advanced case studies of cadastral surveys, limited title surveys, surveyor's responsibilities, digital cadastres, licensing issues.
P  SURV 307 or 317
R  SURV 427, 457

Advanced Marine Law and the Environment
NO  0.1482 EFTS OL, OC  20 points
An introduction to the law of the sea relating to hydrography including on-shore and off-shore boundary definition, delimitation zones, and the extent of continental shelves. Includes ocean policy, product liability, maritime law, and associated environmental issues.
P  216 points
R  SURV 429, 458

Advanced Engineering Surveying
S2  0.1482 EFTS OL, OC  20 points
Precise surveying for engineering, scientific or industrial purposes. Includes survey techniques and management for major structures, tunnels, mining, deformation, and industrial measurement applications.
P  (SURV 301 or 311) and (SURV 302 or 312)
R  SURV 431, 459

Hydrographic Field Design and Voyage
NO  0.1482 EFTS OL, OC, DL  20 points
Planning, set up, execution, management, analysis and reporting of hydrographic surveys including field work and voyage components.
P  PC  SURV 452, PMAN 401
PC  SURV 462
LT  BScUn(Hons), PGDipSc, MSurv, MSc

Advanced Practical Techniques in Hydrography
NO  0.1482 EFTS OL, OC  20 points
Advanced course: planning, execution, management, analysis and reporting of a hydrographic survey, with student-led fieldwork and voyage components.
P  PC  SURV 562
R  SURV 463

Note for SURV 569, 573-575: Students must seek approval from an appropriate School of Surveying supervision, prior to enrolling in this paper.

Special Topic
FY  0.2964 EFTS OL, OC, DP  20 points
A course of directed reading in a approved topic.
P  SURV 430, 469

Special Topic
FY  0.2964 EFTS OL, OC, DP  40 points
Courses in approved topics.
P  SURV 473

Special Topic
FY  0.2964 EFTS OL, OC, DP  40 points
Courses in approved topics.
P  SURV 474

Special Topic
FY  0.2964 EFTS OL, OC, DP  40 points
Courses in approved topics.
P  SURV 475

Dissertation
FY  0.0871 EFTS OL, OC, DP  20 points
A supervised project involving original research and leading to the production of a dissertation.
P  SURV 490, 591

Surveying Measurement
See Science programme requirements (page 71).

Telecommunications
See minor subject requirements (page 104).

Teaching
See programme requirements (page 64).

TESOL (Teaching English to Speakers of Other Languages)
See minor subject requirements (page 104).

Theatre Studies
THEA 122 Drama on Stage and Screen
S2  0.15 EFTS OL, OC  18 points
The study of conventions and techniques of drama and performance both on stage and on screen, using texts drawn from cinema and television as well as theatre.
SC  Arts and Music

THEA 151 Improvisation
S1  0.15 EFTS OL, OC  18 points
An introduction to the principles and methods of improvisation through the processes of spontaneity, teamwork, narrative and status.
SC  Arts and Music

THEA 152 Theatre Technology
ES  0.15 EFTS OL, OC, DP  18 points
An introduction to the technology of theatre, including lighting, the operation of audio technology and stage management.
R  THEA 212, 213
SC  Arts and Music

Note: Students majoring in Theatre Studies must normally pass THEA 152 in their first or second year of study.

THEA 153 Voice and Movement
S2  0.15 EFTS OL, OC  18 points
The nature and philosophy of voice and movement in communication, and the development of personal awareness and requisite skills through practical training.
SC  Arts and Music

THEA 221 Theatre: Ancient to Contemporary
S1  0.15 EFTS OL, OC  18 points
A survey of international theatre from Ancient Theatre to Contemporary Performance. The conceptual, critical understanding of plays, productions, and the formal characteristics of different types of performance.
P  THEA 122
SC  Arts and Music

THEA 241 Writing for Stage and Screen
S2  0.15 EFTS OL, OC, DP  18 points
The theory and practice of playwriting. The study and writing of short plays and screenplays.
P  (THEA 101 or 121 or 122) or 54 points
SC  Arts and Music

Note: Admission to THEA 241 in any year is limited. Students intending to enrol for this paper must contact Theatre Studies to complete an application form by 23 November 2019. Early applications are encouraged, but late applications may be considered.

THEA 251 Aspects of Physical Theatre
NO (2022)  0.15 EFTS OL, OC  18 points
The investigation and analysis of external, physical approaches to performance through the study of image, mask and devising.
P  THEA 102 or 151
R  THEA 213
SC  Arts and Music

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
THEA 252 The Actor
S2 0.15 EFTS OL, OC 18 points
The study of the actor's processes through an investigation of Stanislavsky's system for actors and its subsequent developments.

P THEA 102 or 151
R THEA 212
SC Arts and Music

THEA 253 Bi-cultural Theatre
NO 0.15 EFTS OL, OC, DP 18 points
Examines bi-cultural theatre theory and practice in Aotearoa/New Zealand.

P (THEA 102 or 151) and 18 100-level THEA or MAOR points
R THEA 353
SC Arts and Music

THEA 256 Design for Theatre and Performance
S2 0.15 EFTS OL, OC, DP 18 points
The history, principles and practices of design for theatre and performance, and the development of production design concepts.

P (THEA 152 or DESI 121 or MUSI 132) and 36 further points
R THEA 356
SC Arts and Music

THEA 257 Special Topic
NO 0.15 EFTS OL, OC, DP 18 points
Participation in the staging of plays for, and the operation of, the 2019 UNESCO Cities of Literature Short Play Festival.

P 54 points, including at least 36 THEA points
SC Arts and Music

Notes: (i) Admission is limited; departmental permission required. (ii) May not be taken together with THEA 357 in 2019.

THEA 322 Theatre of Australasia
NO 0.15 EFTS OL, OC 18 points
A comparative study of selected theatre texts and performances from New Zealand, Australia and the Pacific.

P THEA 211 or 221
SC Arts and Music

THEA 323 Performance Research
S1 0.15 EFTS OL, OC 18 points
Performance as a cultural phenomenon in relation to a variety of historical and theoretical approaches to research methodology.

P THEA 211 or 221 or PERF 201
R THEA 423
SC Arts and Music

THEA 324 Aspects of Modern Drama and Theatre
NO 0.15 EFTS OL, OC 18 points
The study of a body of modern dramatic texts with reference to the particular context of their production.

P THEA 221 or 211 or 54 200-level points
R THEA 424
SC Arts and Music

THEA 325 Radical Theatre in Context, 1880-2000
NO 0.15 EFTS OL, OC 18 points
The study of a body of modern dramatists (playwrights, directors, theorist-practitioners) and their texts, with particular reference to the intellectual, historical and artistic context of these models, and to the conceptual vision of each featured artist.

P THEA 221 or 253 or 255
R THEA 425
SC Arts and Music

Notes: Students who have not passed the normal prerequisite may be admitted with approval from the Programme Co-ordinator.

THEA 341 Advanced Playwriting
S2 0.15 EFTS OL, OC, DP 18 points
The writing of a full-length play for the stage.

P THEA 241 or 203
SC Arts and Music

Note: Admission to THEA 341 in any year is limited.

THEA 342 Theatre of Australasia
NO 0.1667 EFTS OL, OC 20 points
A comparative study of selected theatre texts and performances from New Zealand, Australia and the Pacific.

P 72 300-level THEA points
R THEA 322

Notes: Students who have not passed the normal prerequisite may be admitted with approval from the Programme Co-ordinator.

THEA 343 Performance Shakespeare
S1 0.15 EFTS OL, OC, DP 18 points
A practical and theoretical study, examining the work of the actor, specifically in relation to the performance and analysis of selected Shakespeare texts.

P One of THEA 212, 213, 251, 252
R THEA 306
SC Arts and Music

Note: Admission to THEA 351 in any year is limited. Students intending to enrol for this paper must contact Theatre Studies to complete an application form by 23 November 2019 and arrange an interview. Early applications are encouraged, but late applications may be considered.

THEA 352 Directing
S2 0.15 EFTS OL, OC, DP 18 points
An introduction to the role of the director, with emphasis on script analysis and interpretation. Each student will direct a short piece of approximately ten minutes' duration.

P One of THEA 212, 213, 251, 252
R THEA 311-312
SC Arts and Music

Note: Admission to THEA 352 in any year is limited. Students intending to enrol for this paper must contact Theatre Studies to complete an application form by 23 November 2019 and arrange an interview. Early applications are encouraged, but late applications may be considered.

THEA 353 Bi-cultural Theatre
NO 0.15 EFTS OL, OC, DP 18 points
Examines bi-cultural theatre theory and practice in Aotearoa/New Zealand.

R THEA 253
SC Arts and Music

THEA 354 Creating Theatre
NO 0.15 EFTS OL, OC 18 points
The creation and performance of a piece of theatre.

P THEA 211 and a further 18 200-level THEA points
R THEA 321
SC Arts and Music

THEA 356 Design for Theatre and Performance
S2 0.15 EFTS OL, OC, DP 18 points
The history, principles and practices of design for theatre and performance, and the development of production design concepts.

P 18 200-level THEA, DESI or PERF points
R THEA 256
SC Arts and Music

THEA 357 Special Topic
NO 0.15 EFTS OL, OC 18 points
Participation in the staging of plays for, and the operation of, the 2019 UNESCO Cities of Literature Short Play Festival.

P 54 points, including at least 36 THEA points
SC Arts and Music

Notes: (i) Admission is limited, departmental permission required. (ii) May not be taken together with THEA 257 in 2019.

THEA 421 Special Topic
NO 0.1667 EFTS OL, OC 20 points
An overview of the key practices of the dramaturg, including editing of play-scripts, communicating with playwrights, directors and community, and the selection, development, research and analysis of plays for production.

P 72 300-level ENGL or THEA points

THEA 422 Theatre of Australasia
NO 0.1667 EFTS OL, OC 20 points
A comparative study of selected theatre texts and performances from New Zealand, Australia and the Pacific.

P 72 300-level THEA points
R THEA 322

Note: Admission to THEA 342-425. With approval from the Programme Co-ordinator, the normal prerequisite may be waived for students with an equivalent level of knowledge.

THEA 424 Aspects of Modern Drama and Theatre
NO 0.1667 EFTS OL, OC 20 points
Notes: With approval from the Programme Co-ordinator, the normal prerequisite may be waived for students with an equivalent level of knowledge.

THEA 425 Radical Theatre in Context, 1880-2000
NO 0.1667 EFTS OL, OC 20 points
Notes: With approval from the Programme Co-ordinator, the normal prerequisite may be waived for students with an equivalent level of knowledge.

THEA 451 Advanced Directing
FY 0.3333 EFTS OL, OC, DP 40 points
The art of directing, through the study of the work of leading directors and through practical application, including the direction of two short plays.

P 72 300-level THEA points (including THEA 352 or THEA 311)

Notes: (i) The prerequisite THEA 352 or THEA 311 may be replaced by an approved equivalent. (ii) Admission to THEA 451 in any year is limited. Students intending to enrol for this paper must contact the programme co-ordinator by 23 November 2019. Late applications may be considered. (iii) With approval from the Programme Co-ordinator, the normal prerequisite may be waived for students with an equivalent level of knowledge. To do this, apply for Special Permission as part of paper selection on the Review and Submit page.

THEA 452 Advanced Production Project
NO 0.1667 EFTS OL, OC, DP 20 points
The staff-led creation and realisation of a theatrical production (or productions) for public performance.

P 72 300-level THEA points

Notes: (i) With approval from the Programme Co-ordinator, the normal prerequisite may be waived for students with an equivalent level of knowledge. (ii) To do this, apply for Special Permission as part of paper selection on the Review and Submit page.

THEA 453 Directed Project in Theatre
ES, FY 0.1667 EFTS OC, DP 20 points
Contribution to an approved theatrical project or the creation of an individual theatrical project.

P 72 300-level THEA points

Notes: (i) Admission by application to the programme co-ordinator by 1 February 2020. (ii) With approval from the Programme Co-ordinator, the normal prerequisite may be waived for students with an equivalent level of knowledge. To do this, apply for Special Permission as part of paper selection on the Review and Submit page.

Key:
- S1: first semester
- S2: second semester
- ES: each semester
- FY: full year
- SS: Summer School
- N1-6: non-standard periods
- NO: not offered in 2020
- NO(20XX): not offered, expected to be offered in the year noted
- OL: Paper supported by online learning management system
- OC: Paper is available on campus
- DL: Paper is available by Distance Learning
- DP: Departmental permission required
- P: Prerequisite
- C: Corequisite
- PC: Prerequisite or corequisite
- RC: Restriction
- LT: Limited to
- BP: Recommended preparation
- RC: Recommended concurrent study
- SC: Schedule
- L: Location paper is taught at or from (if no location mentioned, paper is taught at, or from, Dunedin)
Tourism, Languages and Cultures

See Arts programme requirements (page 57).

Toxicology

See entry for Pharmacology (page 178). For MSc Schedule see the University Calendar.

Wildlife Management

Note for WILM 401, 404-406: Approval from the Head of Department of Zoology is required for non-PG DipWLM students.

WILM 401 Principles of Wildlife Management
S1 0.1667 EFTS OL, OC 20 points
The application of ecological science to solve issues of conservation, harvesting and the pest control of animal species.

WILM 402 Techniques of Wildlife Management
S1 0.1667 EFTS OL, OC 20 points
A skills-based course on marking, counting and studying animals and on experimental design, analysis, interpretation and communication.

WILM 404 Data Analysis for Wildlife Management
S1 0.1667 EFTS OL, OC 20 points
The statistical analysis of real biological data. Graphical and exploratory analysis, estimation and hypothesis testing, experimental design, simulation. Project work consisting of analysis of a real data set.

ZOOL 221 Animal Designs for Living
S1 0.15 EFTS OL, OC 18 points
The body plans of, and the relationships among, major animal phyla are examined using local fauna. Three field trips generate data that is manipulated and presented in report form.

ZOOL 222 Evolutionary Biology
S2 0.15 EFTS OL, OC 18 points
Evolutionary theory and mechanism; systematics and phylogenetics; the evolutionary record; evolutionary ecology and behavioural ecology, evolution of human social behaviour.

ZOOL 223 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 313 Animal Function and Environment
S1 0.15 EFTS OL, OC 18 points
Environment and reproduction; how animals survive extreme environmental conditions; cell communication and stress physiology.

ZOOL 314 Neurobiology
S2 0.15 EFTS OL, OC 18 points
Evolution and development of brains; sensory systems and how animals perceive the world; control of agile movement; behavioural plasticity; mechanisms of memory.

ZOOL 315 Behavioural and Evolutionary Ecology
S1 0.15 EFTS OL, OC 18 points
The behavioural ecology of reproduction and survival.

ZOOL 316 Biological Data Analysis and Computing
S1 0.15 EFTS OL, OC 18 points
Uses real biological examples and computers, and deals with types of data and their acquisition, graphical and exploratory analysis; estimation and hypothesis testing; experimental design, computer-intensive methods and simulation.

ZOOL 318 Freshwater Ecology
S2 0.15 EFTS OL, OC 18 points
Ecological interactions in inland waters with reference to management problems in New Zealand.

ZOOL 401 Evolutionary Genetics
S2 0.1667 EFTS OL, OC 20 points
Contemporary issues in evolutionary genetics. Species concepts, modes of speciation, phylogenetics, defining genetics units for conservation, and the identification and conservation value of hybrids.

ZOOL 402 Animal Evolution
S2 0.1667 EFTS OL, OC 20 points
Evolutionary theory and mechanism; systematics and phylogenetics; the evolutionary record; evolutionary ecology and behavioural ecology, evolution of human social behaviour.

ZOOL 407 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 409 Ethnographic Field School
S1 0.1667 EFTS OL, OC 20 points
An examination of the core concepts of tourism studies which incorporates the fields of leisure and recreation, hospitality, and events in a broad social, economic, and environmental frame.

ZOOL 410 Evolutionary Biology
S2 0.15 EFTS OL, OC 18 points
Evolutionary theory and mechanism; systematics and phylogenetics; the evolutionary record; evolutionary ecology and behavioural ecology, evolution of human social behaviour.

ZOOL 411 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 412 Animal Behaviour
S2 0.15 EFTS OL, OC 18 points
The behavioural ecology of reproduction and survival.

ZOOL 413 Human Evolution
S1 0.15 EFTS OL, OC 18 points
Evolution and development of brains; sensory systems and how animals perceive the world; control of agile movement; behavioural plasticity; mechanisms of memory.

ZOOL 414 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 415 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 416 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 417 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 418 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 419 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 420 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 421 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 422 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 423 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 424 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 425 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 426 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.

ZOOL 427 Animal Physiology
S2 0.15 EFTS OL, OC 18 points
A comparative view of development, reproduction, metamorphosis, brains and sensory systems in different animal groups.
ZOOL 411  Evaluating Trends and Controversies in Ecology and Evolution  
S1  0.1667 EFTS  OL, OC  20 points  
Evaluating past and current trends regarding questions in ecological and evolutionary research and of how those trends influence research outcomes and scientific conclusions.

ZOOL 412  Neurobiology and Behaviour  
S2  0.1667 EFTS  OC  20 points  
Examination of neural basis of perception and behaviour in animals. Advantages and limitations of a simple systems approach for studying brain function.

ZOOL 413  Environmental Physiology  
NO  0.1667 EFTS  OC  20 points  
The survival strategies of animals in extreme environments and the responses of animals, including embryos, to environmental temperature.

ZOOL 414  Comparative Physiology  
S1  0.1667 EFTS  OC  20 points  
Issues in reproductive physiology of vertebrates, with emphasis on the mediation and modification of reproductive processes via chemical signals. The two major themes are stress and reproduction.

ZOOL 415  Parasitology  
S2  0.1667 EFTS  OC  20 points  
Current topics and issues in parasitology, including biological control, parasite epidemiology, immunology, ecology and evolution of parasitism.

ZOOL 416  Freshwater Ecology  
S1  0.1667 EFTS  OL, OC  20 points  
Current issues in freshwater ecology related to the management and conservation of rivers and lakes. Topics include disturbance, biomonitoring, climate change, biomonitoring and biodiversity.

ZOOL 417  Harvest Management  
S2  0.1667 EFTS  OL, OC  20 points  
Current concepts and case studies in the sustainable use of wildlife resources, including commercial, recreational, cultural and subsistence harvests.

ZOOL 418  Conservation Biology of Marine Mammals  
S2  0.1667 EFTS  OL, OC  20 points  
The major conservation problems faced by marine mammals, and the scientific methods used to quantify, reduce and avoid such impacts. Case studies are used to study integration of science and management. The paper focuses on science, including the biological features of marine mammals that make them relatively vulnerable (e.g. long-lived, slow reproducing), but also touches on the social and political dimensions of marine mammal conservation.

ZOOL 419  Special Topic  
S1  0.1667 EFTS  OC  20 points  
Reconstructing prehistoric ecosystems and impacts of humans and climate change through the use of Quaternary techniques, including assessing extinction causes, what the future holds for conservation, ecosystem restoration and de-extinction.

ZOOL 420  Advanced Topics in Zoology  
ES  0.1667 EFTS  OC  20 points  

ZOOL 421  Essentials of Molecular Zoology  
S1  0.1667 EFTS  OC  20 points  
Introduction to essential concepts and techniques in molecular genetics. Ideal introduction to research projects on gene expression or population/conservation/ecological genetics for those with minimal hands-on experience in genetics.
R  GENE 311-314, 360  
LT  BSc(Hons), MSc, PGDipSci

ZOOL 422  Advanced Topics in Animal Behaviour  
S2  0.1667 EFTS  OL, OC  20 points  
In-depth discussion-based format focused on 3-4 current topics in the field of animal behaviour. Each topic to be led by an expert in that field.
P  ZOOL 314 or 315

Note: The prerequisite may be waived for students with an equivalent level of knowledge. To do this, apply for Special Permission during paper selection on the Review and Submit page.
# Summer School papers

This section lists all papers taught at Summer School. See pages 109 to 207 for details.

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<td>STAT 110</td>
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* Subject to approval
Distance Learning

Otago offers a variety of programmes and papers through Distance Learning. Instruction is given through printed and digital resources, audio- and web-conference sessions, the internet, and residential schools and workshops.

Applying and enrolling

For a detailed description of the application and enrolment processes:

University Admission: page 24
Programme Admission: page 24
Course enrolment: pages 26–31

or see otago.ac.nz/enrolment

Teaching and examination periods

These may differ from the standard dates depending on the course or papers being studied. Contact the appropriate School or Department for more information, or see otago.ac.nz/papers

Access to resources

> Electronic resources

Many papers are supported by a web based course management system, such as Blackboard, Moodle or OceanBrowser, which you will use to access course information, materials and learning activities. Some courses make podcasts available through the University's podcasting site, or make use of the webconferencing system, OtagoConnect.

If you are able to visit the Dunedin, Auckland, Wellington, Christchurch and Invercargill campuses, you can use the Otago network to access the internet for course-related work.

For help and information, contact Student IT (see page 43).

> Distance Library Service (DLS)

Students enrolled in a Distance course or paper are eligible to use the Distance Library Service (DLS) to request research support, advice and help accessing library resources and request to have books, journal articles and chapters sent at no charge.

DLS enquiries and requests can be made:
by emailing distance.library@otago.ac.nz
Tel 0800 347 826 (0800 DISTANT) (answer phone for after-hours enquiries within New Zealand)
Tel 64 3 179 8940 (from outside New Zealand)
Distance Library Service, Central Library, University of Otago,
PO Box 56, Dunedin 9054
otago.libguides.com/distance

University ID cards

You must obtain a University ID card. Your username is printed on the card. Together with your password, it provides electronic access to library databases, catalogues, and course materials. For more information see page 38.

If you attend audioconferences at the Auckland Centre, Wellington Centre, or the Schools of Medicine and Health Sciences in Wellington or Christchurch, you may also require a separate venue access card. Information will be provided about this when your course begins.

Contacts

otago.ac.nz/distancelearning

> Dunedin campus

Distance Learning Office
Administrative Assistant
Distance Learning Office
University of Otago
PO Box 56, Dunedin 9054
Tel 64 3 479 4138
Email distance.learning@otago.ac.nz

> Campuses outside Dunedin

University of Otago, Christchurch
Ruth Helms, Manager, Academic Programmes
Department of the Dean
University of Otago, Christchurch
PO Box 4345, Christchurch 8140
Tel 64 3 364 0527
Email ruth.helms@otago.ac.nz

University of Otago, Wellington
Trevor Williams, Postgraduate Liaison Officer
University of Otago, Wellington
PO Box 7343, Wellington 6242
Tel 64 4 385 5543
Email trevor.williams@otago.ac.nz

Undergraduate Medical Students (Wellington)
Ann Thornton
Student Affairs Administrator
University of Otago, Wellington
Tel 04 385 5576
Email ann.thornton@otago.ac.nz

For a full list of department contacts see otago.ac.nz/courses/distance_study/otago002152
Distance Learning papers

This section lists all papers taught by Distance Learning. The prescriptions section of this guide provides information on whether a particular paper is being offered in 2020. See pages 109 to 207 for details.

Aesthetic Dentistry
AEST 801 Principles of Aesthetic Dentistry
AEST 802 Advanced Aesthetic Dentistry
AEST 880 Research Dissertation

Anthropology
ANTH 423 Bodies, Technologies and Medicines
ANTH 424 The Anthropology of Evil
ANTH 590 Research Dissertation

Aquaculture and Fisheries
AQFI 301 Field Methods for Assessment of Fisheries and Aquatic Habitats
AQFI 421 Advanced Aquaculture and Fisheries

Art History and Visual Culture
ARTV 590 Research Dissertation

Aviation Medicine
AVME 711 Aviation Physiology
AVME 712 Human Performance
AVME 713 Airport and Travel Health
AVME 714 Clinical Aviation Medicine
AVME 715 Health, Work and Behaviour
AVME 716 Clinical Occupational Medicine
AVME 717 Medical Logistics in Aeromedical Transport
AVME 718 Operational Aspects of Aeromedical Transport
AVME 719 Aeromedical Studies for Nurses and Paramedics
AVME 720 Clinical Analysis in Aeromedical Retrieval and Transport
AVME 721 Clinical Care in the Air
AVME 722 Organisation of Aeromedical Systems
AVME 723 Managing Occupational Medicine
AVME 724 Health and Industry
AVME 726 Special Topic
AVME 780 Research Project
AVME 785 Research Methods
AVME 801 Occupational Medicine Epidemiology and Biostatistics
AVME 802 Vocational Rehabilitation
AVME 803 Specialist Aeromedical Retrieval
AVME 804 International Assistance Operations

Biblical Studies
BIBS 317 God, Suffering and Justice
BIBS 318 Judaism in the Time of Jesus (Advanced)
BIBS 321 The Gospels (Advanced)
BIBS 322 The New Testament Epistles
BIBS 323 Greek New Testament Exegesis 3
BIBS 325 Special Topic: Approaches to Hermeneutics
BIBS 326 Jesus in the New Testament (Advanced)
BIBS 411 Hebrew Old Testament Exegesis (Advanced)
BIBS 412 Special Topic: The Book of Job
BIBS 413 God, Suffering and Justice (Advanced)
BIBS 421 Greek New Testament Exegesis (Advanced)
BIBS 423 Special Topic: The New Testament Epistles
BIBS 490 Dissertation

Bioengineering
BIOE 404 Medical Devices and Technology

Bioethics
BITC 401 Theories of Biomedical Ethics
BITC 403 Issues in Law, Ethics and Medicine
BITC 404 Ethics and Health Care
BITC 405 Bioethics in Clinical Practice
BITC 406 Health Research Ethics
BITC 407 Advanced Health Research Ethics

Business Administration
BBDA 901 Organisational Leadership and Change
BBDA 902 Organisational Psychology
BBDA 903 Globalisation and International Trade
BBDA 904 Contemporary Issues in Finance
BBDA 905 Research Methodology I
BBDA 906 Research Methodology II
BBDA 907 Socially Responsible Business
BBDA 908 Sustainable Business
BBDA 909 New Thinking in Marketing Theory
BBDA 910 Global Environmental Impacts on Tourism
BBDC 901 Organisational Leadership and Change
BBDC 902 Organisational Psychology
BBDC 903 Globalisation and International Trade
BBDC 904 Contemporary Issues in Finance
BBDC 905 Research Methodology I
BBDC 906 Research Methodology II
BMBA 501 Business Law
BMBA 502 Marketing
BMBA 503 Organisational Leadership
BMBA 504 Statistics and Decision Tools
BMBA 505 Economics
BMBA 506 Human Resource Management
BMBA 507 Accounting
BMBA 508 Investment and Global Financial Markets
BMBA 509 Strategic Planning for International Markets
BMBA 510 Leading Sustainable Enterprises
BMBA 511 Globalisation and International Trade
BMBA 512 Research Methodology II
BMBA 513 Strategy Implementation
BMBA 530 Business Project
BMBA 540 MBA Business Project
BMBA 550 MBA Elective Papers
BMBA 560 MBA Elective Papers
BUSI 540 Professional Consulting Engagement

Business Studies
BSNS 301 Internship Practicum

Chemistry
CHEM 150 Concepts in Chemistry

Child Health
CHHE 701 Community Child Health
CHHE 702 Clinical Attachment in Paediatrics

Chinese
CHIN 242 Screening Chinese Cinemas
CHIN 342 Screening Chinese Cinemas
CHIN 590 Research Dissertation

Christian Thought and History
CHTH 102 The History of Christianity
CHTH 111 Doing Theology
CHTH 131 God and Ethics in the Modern World
CHTH 206 The Reformation
CHTH 212 Spirit, Church and Sacraments
CHTH 213 Issues in Theology
CHTH 217 Special Topic
CHTH 218 The Person and Work of Christ
CHTH 224 Theology and the Environment
CHTH 231 Christianity, War and Violence
CHTH 233 Public Theology: Faith in the Public Square
CHTH 235 Special Topic: Christian Theology and Science
CHTH 305 The Roots of Public Theology
CHTH 306 The Reformation (Advanced)
CHTH 312 Spirit, Church and Sacraments (Advanced)
CHTH 313 Issues in Theology (Advanced)
CHTH 314 The Theology of Søren Kierkegaard
CHTH 317 Special Topic: Māori religious worldview and Māori engagement with Christianity
CHTH 318 The Person and Work of Christ (Advanced)
CHTH 319 Reconciliation, Christian Ethics and Public Theology
CHTH 330 Public Theology and Social Justice
CHTH 332 Citizenship, Democracy and Disipleship
CHTH 333 Theology and Human Well-being
CHTH 334 Theology and the Environment
CHTH 331 Christianity, War and Violence (Advanced)
CHTH 333 Public Theology: Faith in the Public Square (Advanced)
CHTH 335 Special Topic: Christian Theology and Science
CHTH 380 Research Essay
CHTH 381 Research Essay
CHTH 403 The Puritans: Working out the English Reformation
CHTH 405 The Roots of Public Theology
CHTH 414 The Theology of Søren Kierkegaard (Advanced)
CHTH 415 Reconciliation, Christian Ethics and Public Theology (Advanced)
CHTH 416 The Theology of Bonhoeffer
CHTH 420 Public Theology and Social Justice (Advanced)
CHTH 422 Citizenship, Democracy and
Distance papers continued

Discipleship (Advanced)
CHTH 423 Theology and Human Well-being
CHTH 490 Dissertation

Classical Studies
CLAS 590 Research Dissertation

Cognitive-Behaviour Therapy
COBE 404 Advanced Topics in Cognitive Behaviour Therapy

Computer and Information Science
COMP 390 ICT Industry Project

Continenence Management
CTMG 401 Pathophysiology of Incontinence
CTMG 402 Management for Continence

Dentistry (Oral Health)
DEOH 501 Advanced Principles of Oral Health I
DEOH 502 Advanced Principles of Oral Health II
DEOH 580 Research Dissertation

Education
EDDC 911 Doctor of Education Coursework
EDUS 106 Te Whirina o te Reo
EDUC 251 Education in New Zealand: Policy and Treaty Issues
EDUC 317 Information and Communication Technology in Education
EDUC 402 Current Issues in Education
EDUC 403 Perspectives on Teaching and Learning
EDUC 407 Researching Educational Issues
EDUC 411 Conceptualising and Designing Quality Educational Research
EDUC 412 Research Design and Methodology: Evidence-based Practice in Education
EDUC 421 Mathematics Education: Learning and Teaching
EDUC 423 Technology-enhanced Learning
EDUC 428 Special Topic: Becoming a Research-capable Teacher
EDUC 429 Special Topic 2
EDUC 431 Special Topic
EDUC 432 Special Topic: Digital Technologies and Knowledge Building
EDUC 433 Special Topic
EDUC 435 Introduction to Internet-based Learning
EDUC 438 Leadership for Learning
EDUC 439 Strategic Educational Management
EDUC 440 Critical Analysis of Teaching
EDUC 441 Researching Personal Teaching Practice
EDUC 442 Studies in Teacher Education, Development, and Learning
EDUC 444 Pacific Education Issues: Culture, Identity and Schooling
EDUC 451 Inclusive Education
EDUC 453 Exercising Professional Leadership
EDUC 457 Pedagogy in Early Childhood Education
EDUC 459 Equality, Diversity and Education
EDUC 461 The Construction of Curriculum in Early Childhood Education
EDUC 462 Mentoring Teachers
EDUC 480 Research Study
EDUC 495 Thought in Action
EDUC 580 MED Dissertation
EDUC 590 Professional Practice Portfolio
EDUC 591 Research Project
EDUC 592 Professional Inquiry

English
ENGL 590 Research Dissertation

Entrepreneurship
ENTR 411 Introduction to Entrepreneurship
ENTR 412 Feasibility Analysis
ENTR 413 Finance for Entrepreneurs
ENTR 414 Marketing and Selling
ENTR 415 New Venture Strategy
ENTR 420 Sustainable Entrepreneurship
ENTR 421 Technology and Entrepreneurship
ENTR 525 Business Project

French
FREN 590 Research Dissertation

Gender Studies
GEND 590 Research Dissertation

General Practice
GENA 702 Sexual and Reproductive Health
GENA 704 Te Tūhauria: Māori Health
GENA 708 Supervised Research Project
GENA 709 Long-term Condition Management
GENA 710 Mental Health and Illness in Primary Care
GENA 711 Long-term Condition Management (Advanced)
GENA 713 Travel Medicine 1: Introductory Concepts
GENA 714 Travel Medicine 2: Applied Concepts
GENA 717 Generalised Medical Echocardiography
GENA 718 Generalist Medical Ultrasound
GENA 719 Tropical Infectious Disease
GENA 720 Refugee and Migrant Health
GENA 723 Trauma and Emergencies in Rural Settings
GENA 724 The Context of Rural Hospital Medicine
GENA 725 Communication in Rural Hospital Medicine
GENA 726 Obstetrics and Paediatrics in Rural Hospitals
GENA 727 Surgical Specialties in Rural Hospitals
GENA 728 Cardiorespiratory Medicine in Rural Hospitals
GENA 729 Medical Specialties in Rural Hospitals
GENA 736 Pacific Health
GENA 737 Obesity Prevention and Management
GENA 820 Nature of Medical Practice
GENA 821 Research Methods
GENA 822 Advanced Nature of General Practice
GENA 823 Teaching and Learning in Medical Practice
GENA 824 Ethics in General Practice
GENA 825 Culture, Health and Society
GENA 826 Special Topic

Geography
GEOG 590 Research Dissertation

German
GERM 590 Research Dissertation

Global Cultures
GLBL 303 Applied Research Project

Hazard Assessment and Management
HAZA 401 Management of Chemical Hazards
HAZA 408 Radiation Hazards
HAZA 409 New Organisms: Risk Assessment and Management

Health Sciences
HASC 401 Special Topic
HASC 417 Health Sciences Research Methods Dissertation
HASC 590 Health Sciences Research Methods Dissertation
HASC 701 Working in Interprofessional Clinical Teams
HASC 780 Research Project
HASC 817 Health Sciences Master’s Research Methods

Hebrew
HEBR 131 Introductory Biblical Hebrew 1
HEBR 132 Introductory Biblical Hebrew 2

Higher Education
HEDU 501 Critical Reflection on Higher Education
HEDU 502 Learning Theory and Practice in Higher Education

History
HIST 230 Special Topic
HIST 333 Special Topic
HIST 590 Research Dissertation

Human Nutrition
NUTN 401 Principles of Human Nutrition
NUTN 402 Nutrition and Health Promotion
NUTN 404 Nutrition and Chronic Disease
NUTN 407 Advanced Sports Nutrition

Humanities
HUMS 301 Internship Practicum
HUMS 401 Internship Practicum
HUMS 502 Research Methods in the Humanities

Human Nutrition
HUNT 441 Research Methods
HUNT 445 Applications in Sport and Exercise Nutrition

HUNT 452 Nutrition and Human Health

Indigenous Development
INDV 590 Research Dissertation

Indigenous Studies
INGS 501 Indigenous Theory and Method
INGS 510 Special Topic
INGS 590 Research Report

Information Science
INFO 411 Machine Learning and Data Mining

Japanese
JAPA 590 Research Dissertation

Linguistics
LING 590 Research Dissertation

Māori Studies
MAOR 404 Toi Tike Whenua – Land, Lore and Colonialism
MAOR 407 Presenting Pacific Histories
MAOR 413 Te Tātari Te Kaupapa – Māori and Indigenous Education

MATERIALS SCIENCE AND TECHNOLOGY
MATS 204 Treasure or Trash: Sustainability of Materials

Medical Laboratory Science
MELS 401 Advanced Diagnostic Chemical Pathology
MELS 402 Clinical Microbiology
MELS 403 Clinical Virology
MELS 404 Diagnostic Molecular Pathology
MELS 405 Cytopathology
MELS 406 Haematology
MELS 407 Histopathology
MELS 408 Transfusion Science
MELS 409 Clinical Immunology

Media, Film and Communication
MFCO 598 Research Dissertation

Medical Technology
MTEC 701 Biomedical Science for Medical Technicians
MTEC 702 Physiological Monitoring for Medical Technicians
MTEC 703 Cardiovascular Science for Medical Technicians
MTEC 704 Cardiovascular Technology
MTEC 705 Sleep Medicine
MTEC 706 Sleep Technology

Research in Higher Education
HEDU 504 Research in Higher Education
HEDU 510 Special Topic
HEDU 590 Research Project

Research Dissertations
HEDU 503 Research in Higher Education
HEDU 504 Academic Leadership in Higher Education
HEDU 510 Special Topic
HEDU 590 Research Project

Research Dissertations
HIST 230 Special Topic
HIST 333 Special Topic
HIST 590 Research Dissertation

Research Dissertations
INDV 590 Research Dissertation

Research Dissertations
INGS 501 Indigenous Theory and Method
INGS 510 Special Topic
INGS 590 Research Report

Research Dissertations
INFO 411 Machine Learning and Data Mining

Research Dissertations
JAPA 590 Research Dissertation

Research Dissertations
LING 590 Research Dissertation

Research Dissertations
MAOR 404 Toi Tike Whenua – Land, Lore and Colonialism
MAOR 407 Presenting Pacific Histories
MAOR 413 Te Tātari Te Kaupapa – Māori and Indigenous Education

Research Dissertations
MATERIALS SCIENCE AND TECHNOLOGY
MATS 204 Treasure or Trash: Sustainability of Materials

Research Dissertations
Medical Laboratory Science
MELS 401 Advanced Diagnostic Chemical Pathology
MELS 402 Clinical Microbiology
MELS 403 Clinical Virology
MELS 404 Diagnostic Molecular Pathology
MELS 405 Cytopathology
MELS 406 Haematology
MELS 407 Histopathology
MELS 408 Transfusion Science
MELS 409 Clinical Immunology

Research Dissertations
Media, Film and Communication
MFCO 598 Research Dissertation

Research Dissertations
Medical Technology
MTEC 701 Biomedical Science for Medical Technicians
MTEC 702 Physiological Monitoring for Medical Technicians
MTEC 703 Cardiovascular Science for Medical Technicians
MTEC 704 Cardiovascular Technology
MTEC 705 Sleep Medicine
MTEC 706 Sleep Technology
## Distance Learning papers continued

### Ministry
- **MINS 405**  Special Topic
- **MINS 406**  Theological Perspectives on Leadership
- **MINS 407**  Preaching and Communication in a Contemporary Context
- **MINS 408**  Cultures, Migration and Faith
- **MINS 409**  Chaplaincy Studies (Advanced)
- **MINS 410**  Pastoral Care in Dying, Grief and Loss
- **MINS 411**  Chaplaincy in Diverse Contexts
- **MINS 412**  Church in Mission: Theology in Changing Cultures (Advanced)
- **MINS 413**  Missional God, Missional People (Advanced)
- **MINS 414**  Arts and Cultures in Christian Ministry and Mission (Advanced)
- **MINS 590**  Research Project

### Musculoskeletal Medicine
- **MSME 701**  Clinical Diagnosis
- **MSME 702**  Musculoskeletal Tissues
- **MSME 703**  Musculoskeletal Disorders
- **MSME 704**  Introduction to Pain
- **MSME 705**  Regional Disorders – Spine
- **MSME 706**  Regional Disorders – Limbs
- **MSME 707**  Musculoskeletal Management
- **MSME 708**  Introduction to Pain Management
- **MSME 709**  Clinical Therapeutics
- **MSME 710**  Recreational and Sports Injuries
- **MSME 711**  Pain Assessment

### Music
- **MUSI 590**  Research Dissertation

### Nursing
- **NURS 403**  Mental Health Nursing Practice
- **NURS 404**  Advanced Mental Health Nursing Practice
- **NURS 405**  Health Assessment and Advanced Nursing Practice
- **NURS 409**  Mental Health Nursing Practicum
- **NURS 411**  Nursing – High Acuity
- **NURS 413**  Primary Health Care Nursing – Rural/Urban
- **NURS 415**  Nursing Research Methods
- **NURS 416**  Nursing – Applied Pharmacology
- **NURS 418**  Nursing Education – Principles and Practice
- **NURS 423**  Nursing – Leadership and Management 1
- **NURS 424**  Nursing – Leadership and Management 2
- **NURS 426**  Nursing – Gerontology
- **NURS 427**  Long-term Conditions: Pathophysiology and Management
- **NURS 429**  Therapeutics for Advanced Nursing
- **NURS 431**  Rural Nursing
- **NURS 433**  Intellectual Disability: Theory into Practice
- **NURS 434**  Therapeutics: Knowledge and Integration
- **NURS 435**  Evidence Based Nursing Practice
- **NURS 530**  Nurse Practitioner Prescribing Practicum
- **NURS 530**  Nurse Practitioner Prescribing Practicum
- **NURS 531**  Clinical Research Project

### Obesity Prevention and Management
- **OBPM 401**  Medical and Surgical Management of Obesity
- **OBPM 402**  Psychosocial Factors in Obesity Prevention and Management
- **OBPM 403**  Childhood and Youth Obesity Prevention and Management

### Obstetrics and Medical Gynaecology
- **OBGY 712**  Pre and Early Pregnancy Care
- **OBGY 713**  Pregnancy Care in the Community
- **OBGY 715**  Medical Gynaecology I
- **OBGY 716**  Medical Gynaecology II

### Occupational Health
- **OCCH 401**  Occupational Health
- **OCCH 402**  Occupational Safety

### Ophthalmology
- **OPHT 801**  Ophthalmic Anatomy
- **OPHT 802**  Ophthalmic Physiology
- **OPHT 803**  Ophthalmic Optics
- **OPHT 804**  Practical Ophthalmic Basic Sciences
- **OPHT 805**  Ocular Genetics

### Pacific Islands Studies
- **PACI 401**  Tina Pasifica - Women in Polynesian Communities
- **PACI 402**  Resource Conservation and Environment in the Pacific
- **PACI 410**  Special Topic: Leadership Transition in the Pacific

### Pain and Pain Management
- **PAIN 701**  Neuroanatomy of Pain
- **PAIN 702**  Biomedical Pain Management
- **PAIN 703**  Psychosocial and Cultural Aspects of Pain

### Pastoral Studies
- **PAST 207**  Special Topic
- **PAST 215**  Christianity, Society and Ministry in New Zealand
- **PAST 216**  Current Perspectives on Pastoral Care
- **PAST 219**  Christian Witness in a Secular World
- **PAST 307**  Special Topic
- **PAST 311**  Preaching and Communication in a Contemporary Context
- **PAST 314**  Cultures, Migration and Faith
- **PAST 315**  Christianity, Society and Ministry in New Zealand (Advanced)
- **PAST 316**  Current Perspectives on Pastoral Care (Advanced)

### Periodontology
- **PERI 711**  Principles of Periodontology
- **PERI 712**  Clinical Periodontology

### Pharmacy
- **PHCY 510**  Evidence-Based Practice
- **PHCY 511**  Patient-Centred Care
- **PHCY 520**  Applied patient-centred care
- **PHCY 521**  Elective topics in patient-centred care
- **PHCY 590**  Diploma
- **PHCY 601**  Principles of Prescribing
- **PHCY 602**  Prescribing Practicum

### Philosophy
- **PHIL 590**  Research Dissertation

### Physiotherapy
- **PHTY 501**  Biomedical Science in Physiotherapy
- **PHTY 530**  Theoretical Constructs in Clinical Practice
- **PHTY 535**  Neurorehabilitation
- **PHTY 539**  Occupational Health Physiotherapy
- **PHTY 542**  Sports Physiotherapy
- **PHTY 543**  Orthopaedic Manipulative Therapy
- **PHTY 545**  Advanced Studies in Physiotherapy
- **PHTY 548**  Introduction to Musculoskeletal Acupuncture
- **PHTY 561**  Clinical Practice
- **PHTY 610**  Research Methods
- **PHTY 650**  Research Project

### Primary Health Care
- **PRHC 701**  New Zealand Primary Health Care
- **PRHC 702**  Wilderness and Expedition Medicine

### Psychological Medicine
- **PSME 201**  Human Sexuality and Health
- **PSME 401**  Nature, Extent and Assessment of Mental Disorders
- **PSME 404**  Addiction Assessment
- **PSME 405**  Contemporary Approaches to Mental Health Practice
- **PSME 406**  Research Methods: Mental Health
- **PSME 407**  Forensic Psychiatry
- **PSME 416**  Addiction Applied Theory
- **PSME 418**  Eating Disorders
- **PSME 422**  Addiction Treatment
- **PSME 424**  Addiction Pharmacotherapy
- **PSME 425**  Introduction to Interpersonal Psychotherapy
- **PSME 426**  Advanced Applications of Interpersonal Psychotherapy
- **PSME 427**  Interpersonal Psychotherapy
- **PSME 428**  Psycho-oncology
- **PSME 429**  Suicidal Behaviours, Research and Prevention
- **PSME 432**  Introduction to Perinatal Psychiatry
- **PSME 433**  Introduction to Infant Mental Health
- **PSME 436**  Principles of Family and Systems Theory
- **PSME 437**  Applied Systems Theory
- **PSME 439**  Intellectual Disability: Theory into Practice
- **PSME 449**  Introduction to Suicidology and Suicide Prevention

### Public Health
- **PUBH 721**  Methods for Epidemiological Research
- **PUBH 725**  Applied Biostatistics 1 – Fundamentals
- **PUBH 726**  Applied Biostatistics 2 – Regression Methods
- **PUBH 734**  Health Protection
- **PUBH 737**  Public Health Law and Public Health Ethics – Fundamentals
- **PUBH 738**  Global Health Law and Global Health Ethics
- **PUBH 739**  Special Topic: Systematic Reviews and Meta-analysis
- **PUBH 740**  Special Topic: One Health
- **PUBH 742**  Global Health and International Health Systems

### Quantitative Genetics
- **QGEN 401**  Quantitative Genetics and Improvement

### Radiation Therapy
- **RADT 401**  Applied Radiation Therapy Advanced Practice
- **RADT 402**  Patient Centred Radiation Therapy Advanced Practice
- **RADT 403**  Brachytherapy Principles and Practice

### Rehabilitation
- **REHB 701**  Rehabilitation Principles
- **REHB 703**  Musculoskeletal Rehabilitation
- **REHB 704**  Neurological Rehabilitation
- **REHB 706**  Work Rehabilitation
- **REHB 707**  Rehabilitation for the Older Adult
- **REHB 710**  Clinical Rehabilitation
- **REHB 711**  Special Topic
- **REHB 712**  Rethinking Rehabilitation
- **REHB 713**  Goal Setting and the Therapeutic Relationship