

Title	Synopsis	Outcomes
APG5066	<p>This unit takes staff and students to Shanghai. Students will receive lectures from Monash staff and engage in observational study of China's biggest city. Shanghai is the economic capital of China and the site where western modernity first made landfall in the 1850s. Since that time it has evolved under a complex mix of domestic and international influences. Since 1992 it has been promoted as China's global city and has used arts and culture, and later the cultural creative industries as an essential part of this ambition. This unit allows students to experience this dynamic city first hand, guided by Monash staff who have researched and lived in the city. Students will be given local context, information and a research overview by Monash staff who will also supervise small study excursions of the city.</p>	<p>['Have an introductory understanding of the historical development of cultural economy in Shanghai.', 'Have an appreciation of the specific and practical challenges and opportunities facing those working the cultural industries and cultural clusters in Shanghai.', 'Have a high degree of intercultural competence and effectively engage with students and staff from different cultures and places.', 'Be able to write and communicate effectively and in analytical depth.', 'Show an ability to operate independently and responsibly in a different cultural context.']</p>
MID3103	<p>This unit introduces students to childbearing and emergency birthing obstacles that women may experience. Midwifery and obstetric management of childbearing obstacles will be explored. Emphasis is given to the collaborative role of the midwife, referral, use of medical technology, obstetric intervention, and the implications for women, their babies, and midwives.</p>	<p>['evaluate collaborative practice within challenges, disturbances and interventions during childbearing', 'examine screening tests and innovative technologies available to women during pregnancy', 'examine the pathophysiology, diagnosis, evidence for care and expected outcomes associated with selected challenges in pregnancy', 'discuss the causes, identification, effects and management of disturbances in the rhythms of labour and birth', 'identify interventions in pregnancy, labour and birth and their management from the perspective of the midwife and health care team', 'identify factors that indicate potential for maternal and/or unborn baby life threatening emergencies', 'describe the management of a range of emergency situations in pregnancy, birth and the postpartum period', 'describe the range of physical health problems women may experience following childbirth', 'discuss grief situations related to women, men and the midwife following pregnancy loss', 'demonstrate beginning level midwifery competency based upon the ANMAC National Competency Standards for the Midwife.']</p>
ATS2380	<p>The unit examines migrations of people across the globe as a potent force in the making of the modern world, with a focus on Australia since the mid-eighteenth century to the present day. The movement of people is considered in the context of major transformations in criminal codes, government legislation, labor force requirements, resources booms, and the disruptions of revolution, war and armed conflict. Groups to be studied include convicts, assisted immigrants, indentured labourers, gold-seekers, displaced persons, refugees and asylum seekers. The efforts of governments to shape their populations, through mechanisms such as transportation, the regulation and restriction of migration, deportation, internment and border control will also be studied.</p>	<p>['identify and explain the major forces that have shaped the movement of people across the globe to Australia since the mid-eighteenth century;', 'distinguish between transportees, indentured labourers, slaves, assisted migrants, displaced persons, refugees and asylum seekers;', 'analyse the migration patterns and developments that have influenced the shifting demography of Australia through problem based learning research projects;', 'develop oral and written communication skills in constructing evidence-based arguments using a variety of primary and secondary sources', 'reflect critically on what they have learnt.']</p>

MTE4593	<p>This unit provides an introduction to the political, social and environmental background to materials usage. Major technologies relating to the production, sustainable use and recycling of metals, plastics, glass, electronics, paper and ceramic materials are discussed. Various options involving materials substitution, reclamation, energy recovery and disposal are critically evaluated. The unit considers the economics of materials production, as well as 'cradle-to-grave' analyses of materials, including products and byproducts of the nuclear fuel cycle. In particular, it looks at various life-cycle analysis techniques. We will examine the impact of population, affluence and technology changes on population and ecological footprints with the arrival of the current "Anthropocene Era".</p>	<p>['Interpret the economic, social and political aspects of materials flow.', 'Appraise an ecosystem approach to materials usage.', 'Appraise the capacity to undertake life-cycle analysis of products or services.', 'Describe technical knowledge in the main areas of materials extraction, use and recycling.']</p>
HSC1200	<p>This unit provides an introduction to the principles and practices of contemporary public health. Case study examples are used to illustrate public health successes, including the key elements contributing to these successful approaches.</p>	<p>['Describe the principles underpinning public health practice.', 'Identify a range of public health interventions and compare their strengths and limitations.', 'Discuss how behavioural, social and cultural, environmental and political determinants contribute to health outcomes.', 'Explain the causes and consequences of health inequalities.', 'Summarise information from relevant high quality public health sources.']</p>
BPS2031	<p>Analytical Methods lays a foundation of knowledge for the analytical identification and quantitation of chemical entities used in the pharmaceutical and manufacturing industries. The unit provides the participant with basic principles and concepts of chemical equilibria, classical (titrimetric) methods of analysis, atomic and molecular spectroscopy (spectrochemical methods of analysis) and analytical separation (chromatographic) methodologies.</p>	<p>['Describe the analytical process and fundamental analytical concepts (e.g., selectivity, experimental error) and apply them to practical analytical measurements.', 'Quantitatively determine the chemical composition of aqueous electrolyte solutions using titrimetry and interpret the results in terms of theoretical models of chemical solution equilibria.', 'Explain the physical principles and instrumental characteristics of selected spectroscopic analytical techniques.', 'Apply theoretical principles of separation processes and chromatography to predict and rationalise the outcome of practical analytical separations;', 'Safely and competently conduct analytical measurements in the laboratory.']</p>
FIT4442	<p>This unit is a research unit and a core requirement for all FIT Honours degrees. Due to the nature of IT, a wide range of Honours project types can be offered to students. Some project components are of a practical nature and may involve some software development and/or experimentation, while other components are of a more theoretical nature.</p>	<p>['design a rigorous Bachelor Honours level research project and develop project proposal;', 'critically review research literature, research design and reported findings;', 'evaluate and select research methods and techniques of data collection and analysis appropriate to particular research designs, projects and disciplines;', 'conduct ethical research;', 'communicate research findings in written and oral form in research and industry settings.']</p>
MSM5100	NA	['NA']

AMU3451	This unit introduces students to key issues and debates about media regulation, freedom and control. Topics addressed include issues of media ownership, convergence, censorship and classification, globalisation and resistance, as well as democracy and the public sphere. Students will explore examples of policy frameworks that respond to these issues, as well as their implications and effects. The unit examines these policies in different sociocultural contexts, drawing upon material and case studies from the USA, Southeast Asia, and other relevant areas.	['identify and explain the key rhetoric's informing media regulation and the ways in which they function within and through particular policy debates;', 'analyse the historical development and contemporary application of regulatory procedures;', 'discuss and evaluate policy issues of ownership, globalisation, convergence, censorship and resistance;', 'analyse media industries and their policy frameworks;', 'conduct independent research using relevant academic and non-academic sources.']
BIO1022	This unit views the extraordinary diversity of life on Earth through the prism of evolutionary theory and in the context of human and environmental health. Students will examine how animals and plants, through the agents of gene mutation and natural selection, are able to adapt to new and changing environments. Diverse physiological, reproductive and behavioural solutions to life's challenges will be used to illustrate how evolutionary forces and constraints shape us and the world around us. We will then examine how interactions within and between species and with the non-living environment generate the immense ecological variety seen on Earth. Contemporary issues and the societal impact of biology will be explored by learning from world-class researchers and industry experts.	['Identify and describe the role of biological concepts and processes of evolution, plant and animal physiology, reproduction and life history strategies and core ecological concepts in society and everyday human life;', 'Demonstrate proficiency in communicating scientific results through a range of formats (written and oral);', 'Formulate hypotheses, collect experimental data and demonstrate proficiency in interpreting their results;', 'Demonstrate competence and precision in the use of common life sciences equipment and techniques;', 'Utilise research skills including database searches to synthesise and interpret information related to scientific research, using appropriate conventions for scientific attribution;', 'Work effectively, responsibly, safely and ethically, both individually and in peer or team contexts.']
DWG3518	This unit provides students with a further opportunity to relate to a more expansive definition of drawing and encourages students, through bold graphic experimentation, to maximise their capacity for individual invention and expression in responding to a variety of perceptive and conceptual processes other resources to develop their individual practice in an increasingly informed manner.	['Have a wide graphic visual vocabulary to serve and maximise their individual expressive needs;', 'Have aesthetic sensibilities that enable them to critically determine imagery that bridges both historical and contemporary art;', 'Productively develop a wide variety of visual material and techniques relevant to their major discipline;', 'Have an understanding of the appropriate procedures for complying with OHS and ethical requirements in this area of study.']
ATS2141	This unit aims to develop knowledge, strategies and skills to interact in Japanese in situations likely to be encountered in Australia and Japan and to establish a firm foundation of linguistic, sociolinguistic and sociocultural knowledge, which can be creatively applied in a variety of situations.	['Understand simple greetings, self-introduction, and simple dialogues, based on routines practiced in class.', 'Read simple and familiar texts written in hiragana, katakana and basic kanji.', 'Participate in interactions, using basic vocabulary and grammar practiced in class.', 'Write/type simple sentences using hiragana, katakana and approximately 60 kanji.', 'Demonstrate a basic knowledge of some aspects of Japanese society and culture.', 'Apply basic research skills to find relevant information about given topics, organise, synthesise it and communicate it.']

AHT4406	Students enrolled in this unit will complete a six-week internship with an external organisation, such as a gallery or museum, for a minimum of one day per week. The internship is self-managed, with the assistance of the Unit Coordinator and host organisation. The internship experience will enable students to put their skills and knowledge into practice in a professional workplace, and build industry contacts and confidence. Students will complete a journal that documents and reflects on the internship experience.	['Work effectively in a professional environment;', 'Understand the essential elements of museum and gallery administration;', 'Apply and extend knowledge obtained through their degree in a professional setting;', 'Work autonomously on a range of tasks, such as the installation of artworks and the marketing of exhibitions;', 'Communicate the results of the internship through a reflexive journal.']
EAE3022	Groundwater is a critical resource and an essential component of the natural environment. This unit addresses groundwater flow and the hydrological cycle, groundwater chemistry and the origins of solutes in water, use of isotopic tracers to understand hydrological processes, the interaction between groundwater and surface water, groundwater as a resource, and contamination of groundwater. These topics are essential for understanding and managing groundwater and surface water resources and for environmental management.	['Describe the physical movement of water within the hydrological cycle;', 'Determine the origins of solutes in water and how solute chemistry informs our understanding of hydrological processes;', 'Discuss concepts of groundwater residence times and how these impact on the sustainable management of water resources;', 'Explain the role of groundwater in maintaining river flows and sustaining ecosystems;', 'Indicate the main threats to groundwater, including pollution, pumping, and climate or land use change and also be able to identify management and mitigation strategies.', 'Interpret and integrate hydrological data.']
ATS2991	The unit introduces students to archaeological fieldwork and excavation through participation on a dig. Students will gain experience in current fieldwork techniques, object recording, analysis and conservation, and will be introduced to the practical skills and interpretation of primary data within its find context. These skills are an essential part of undergraduate training in archaeology. The practical content will be supported by readings and lectures on archaeological methodology, Roman cultural contexts and archaeology in Italy. The unit takes place in Umbria, Italy, at the Roman city of Carsulae, on the Via Flaminia.	['identify and use archaeological fieldwork skills and current excavation techniques;', 'record and analyse artefacts;', 'document excavations within a contemporary framework;', 'assess the site under excavation and analyse its contribution to the wider study of Roman culture;', 'interpret and apply contemporary archaeological theory, especially as it relates to material culture.']
BEX5300	Illustrates how statistical and econometric methods can be applied to financial data to solve problems arising in financial markets. Also covers modelling, estimating and testing the volatility of financial markets. Practical examples will be discussed in lectures to enhance the understanding of analysing financial data using the statistical and econometric tools taught in this unit. An integral component will be the completion of a number of minor research projects enabling students to develop the necessary skills.	['identify the issues involved when modelling the dynamics of financial markets', 'estimate volatility models using econometrics software', 'critically evaluate the financial econometrics literature', 'explain the financial market applications of the non linear models developed', 'undertake a research project that applies the techniques and analysis to a financial market of interest.']

ATS3199	<p>In this unit, students explore one of the central dichotomies of contemporary human life: corporations are non-human entities that are playing a more and more significant role in human activity, and few lives are not influenced by them. At the same time, corporations rely for their existence on humans, and ideally should provide benefits to human lives. The central questions of this unit examine this problem: in a world defined by human relationships, how do corporations figure in social activity? Relying on anthropological analysis of corporate activity in western and non-western settings, the unit examines what corporations mean for human sociability, focussing on: the differing forms and meanings of corporations across cultures; the changing relations between humans and corporations, and their implications for understandings of human subjectivity; debates about what kinds of responsibility can be attributed to these non-human entities; different forms of speech and language used by corporations; how corporations benefit from ethnographic analysis; the ways in which social facts such as kinship and gender shape and are shaped by corporations. Drawing on ethnographic case studies as well as anthropological theorising, the unit approaches corporations not as givens, but as social products that can be compared to other cultural forms.</p>	<p>['explain and communicate the methods of investigation and theoretical frameworks for the anthropological study of corporations;', 'analyse the ethical and responsibility issues of corporations in the contemporary world;', 'conduct and produce an independent research project in a written form in keeping with anthropological/ethnographic convention;', 'develop innovative solutions to real world problems in the corporate world through applied anthropology, including a specialised awareness of the importance of human difference;', 'devise time management practices to manage competing demands;', 'engage in professional development and demonstrate a commitment to life-long learning. ']</p>
AMU3806	<p>This unit provides a detailed exploration of the research and reporting practices for business, industrial and economic reporting. It canvasses the main documentary sources, geographical locations, key personalities and institutions, and contemporary issues in this field. It places contemporary practices in their larger historical and geographical contexts, and critically considers the professional and social implications and accountabilities of reporting in this specialized field. Please be aware that access to certain technology/equipment will be required for this unit. Contact the unit coordinator for details.</p>	<p>['Demonstrate an ability to identify and research a business / industrial / economic story, conduct interviews and gather appropriate evidence in the appropriate medium;', 'Demonstrate an ability to select an advantageous medium for presentation, and report in a clear, concise and factual way using news conventions in at least two media;', "Identify, observe key ethical and legal obligations associated with business / industrial / economic journalism, and reflect critically on their own and others' performance in this regard;", 'Work independently and collaboratively in learning and production processes, including online forums, to produce business / industrial/ economic reports;', 'Demonstrate an ability to set and meet deadlines, and report under pressure;', 'Demonstrate an awareness of local, national and international people and events relevant to current affairs and media issues;', 'Demonstrate a critical awareness of the capacities, limitations and socio-professional implications of journalistic practices in in the field of business, industry and economics. ']</p>

DEV3022	<p>This unit considers the anatomy and development of the major organs and organ systems of the body. The classical morphogenetic steps/stages in organ development are described, as well as the most up to date knowledge of the molecular/genetic and foetal/maternal environmental regulation of these morphogenetic processes. Organ systems covered include musculoskeletal, cardiovascular, central nervous, respiratory, gastrointestinal, renal and reproductive. Students will learn how abnormalities in genetic and/or environmental regulation of development lead to birth defects as well as chronic diseases in adulthood.</p>	<p>['Describe the basic anatomy and development of the major organs and organ systems;', 'Analyse the genetic and environmental regulation of organogenesis in the major organ systems;', 'Explain how errors or perturbations in genetic and/or environmental regulation of development can lead to birth defects and outline how suboptimal development can result in or predispose to adult chronic disease;', 'Relate the relative contributions of endoderm, mesoderm and ectoderm in the formation of the tissues and organs of the adult body;', 'Demonstrate familiarity with experimental strategies and techniques used to identify and study organogenesis and the regulation of organogenesis;', 'Demonstrate an ability to interpret, discuss and present studies in anatomy and developmental biology research.']</p>
ARC3001	<p>Architecture Design Studio 5 continues to expand and consolidate the conceptual understanding and skill base of preceding design studios. It continues to elaborate on architectural design as a process of investigation, critical observation, and experiment. It increases the emphasis on design as a synthetic process encompassing a range of complex issues inherent in the production of architecture: material, structure, program, site, history and representation are investigated in their relationship to the production of architectural form.</p>	<p>['Demonstrate a progression to a refined level of competence in architectural design;', 'Have the ability to critically analyse and successfully respond to the complex range of issues inherent in an architectural design project;', 'Have developed a sophisticated understanding of how observation, analysis, experiment and critique apply to the architectural design process;', 'Have acquired an advanced level of competence and consolidation of all presentation skills: verbal, graphic and 3-dimensional;', 'Understand and be able to apply the rules of occupational health and safety appropriate to the unit of study.']</p>
APG5190	<p>What does it take to get a job in journalism in Asia - and why is Hong Kong so vital to the global news industry? In this unit, students will travel to the Asian media capital to explore why this world city is the big draw for news companies from around the globe.</p>	<p>['demonstrate a sound understanding of the organisation and culture of Asian and international news outlets operating in Hong Kong;', 'demonstrate an advanced understanding of the concept of global journalism, and how the Hong Kong news hub transgresses and transcends the traditional domestic v. foreign news dichotomy;', 'demonstrate an ability to identify and research a media feature story and conduct primary interviews on location;', 'demonstrate an ability to write in a clear, concise, factual way using feature conventions;', 'take appropriate photographs and caption them to complement a story;', 'collaborate constructively with fellow students in learning and discussion processes, including online forums;', 'produce written work and oral presentations to deadline, making effective use of the conventions of scholarly presentation;', 'have confidence in approaching and working with individuals and organisations in news media industries.']</p>

APG5729	This unit focuses initially on three ethical principles used to justify decisions in patient care: autonomy, beneficence, and justice. These principles are then applied to a variety of ethical issues in health care practice, such as the allocation of health care resources, the justifiability of paternalistic interventions, breaches of confidentiality, assisted reproductive technologies, surrogate motherhood, and euthanasia. The role of health professionals is also considered, in relation to issues in family care giving, and conscientious refusals to treat patients.	['bring a rigorous framework of principles of health care ethics to the analysis and evaluation of certain ethical issues in patient care', 'think critically about the key concepts involved in those principles', 'make informed judgements about the ethics of certain ways of acting in ethically sensitive areas of patient care, and be able to defend those judgements on the basis of argument.']
BEX5110	NA	['NA']
ACB3050	Financial accounting topics covered by this unit include: Australian accounting standards, institutional setting and the conceptual framework; accounting for leases; accounting for employee benefits; accounting for financial instruments; cash flow reporting; segment reporting; accounting for EPS; accounting for extractive industries; accounting for agriculture; financial reporting in the public sector; foreign currency translation; and social and environmental reporting.	['acquire advanced knowledge of the conceptual framework and disclosure requirements in accordance with the accounting standards and the statutory laws', 'develop an improved understanding of how professional policies are formulated in preparation of accounting for various financial accounting issues with particular reference to current practice', 'develop critical skills in written communication and problem analysis through the completion of comprehensive assignment exercise and /or essays', 'develop an ability to work independently and to participate in group discussions with participants from diverse backgrounds', 'demonstrate in an individual summative assessment task the acquisition of a comprehensive understanding of the topics covered by ACB3050.']
NUR1001	This introductory unit will introduce the student to the ANMC competency domain of collaborative and therapeutic practice. Content in this unit will compliment theory and skills taught in other units in semester one of the course. Students will be provided the opportunity to explore important professional aspects of being a nurse or midwife and the significance of fitness for practice. Students will:	['Apply, at a beginning level, critical thinking and reflection in the development of self as an independent learner and a future health professional.', 'Demonstrate knowledge of psychological processes related to development, conflict, stress and attitudes.', 'Describe modes of therapeutic communication employed by healthcare professionals including key issues, barriers and strategies that must be considered in each focussed on person-centredness.', 'Explain the modes of professional communication within professional relationships focussed on fitness for practice.', 'Discuss the importance of evidence-based practice in the provision of safe, effective, holistic health care.', 'Explore differing models for translation of evidence to practice.']
ATS1314	This unit is an introduction to the discipline of human rights. The central topic around which the unit is organised is the universality of human rights. Why are human rights universal? Is there a foundation for the universality of human rights? Does cultural relativism pose a problem for human rights? Torture, and the human rights of refugees and the global poor are also discussed. Students will be exposed to a variety of views on these and related questions. The unit requires no special background in any discipline.	['Mastery of the basic concepts of human rights, the structure of the most important international human rights legal instruments and the central justifications offered for taking human rights to be universal;', 'Improved writing skills;', 'Improved oral communication skills;', 'Familiarity with central positions in philosophical accounts of the justification and explanation of human rights;', 'Skills to assist them to conduct independent research in human rights topics.']

TAD2214	<p>This unit investigates the visual and theoretical languages of design in relation to a number of key critical issues. It focuses on issues including the engagement of works of design with society, consumerism, gender, politics, and the environment. The role of the designer in responding to aesthetic and social challenges is also considered. Students will continue to develop a range of approaches to understanding works of design and related issues while also refining the broader critical and analytical skills necessary to their disciplines.</p>	<p>['Recognise key works of design and their relationship to critical issues;', 'Demonstrate an understanding of the influence and impact of physical, social and cultural concerns on the role of the designer and the design product;', 'Demonstrate critical and analytical skills in the interpretation and appreciation of works of design;', 'Articulate evaluative responses as to the significance of ideological and cultural forces on the work of design;', 'Appreciate and critique multiple perspectives for the interpretation of design;', 'Understand and be able to apply the rules of occupational health and safety appropriate to the unit of study.']</p>
MID5001	<p>An introduction to normal pregnancy and childbirth and the role of the midwife in providing care for women. This unit will provide the foundational knowledge to enable midwifery students to provide safe and effective midwifery care to healthy mothers and babies across the childbearing continuum, incorporating anatomy and physiology and the evidence basis for maternity care. The focus will be on the role of the midwife as a primary carer and working in partnership with women.</p>	<p>['describe in detail the anatomy & physiology of the human reproductive system, including; pre-conception, pregnancy, fetal development, birth, lactation and the baby;', 'appreciate the boundaries of care in midwifery including legal, ethical and professional standards and competencies;', 'appreciate the concepts of with woman, in partnership, and continuity of care;', 'employ reflective practice and implement evidence based care for women, babies and their families across the childbearing continuum;', 'articulate a beginning philosophy of midwifery;', 'demonstrate developing skills necessary to provide women-centred midwifery care;', 'demonstrate beginning skills in physical assessment of women and their babies across the childbearing continuum;', 'demonstrate midwifery competency based upon the ANMC National Competency Standards for the Midwife (2006).']</p>
ATS2748	<p>In this unit, students will study the ancient Greek language. The unit is designed to bring students with no previous knowledge of ancient Greek to a level at which they can begin to read and enjoy ancient Greek texts. Emphasis in this unit is on acquiring grammatical knowledge and on building a good vocabulary. Students will learn the Greek alphabet and begin reading Greek prose of increasing complexity, with emphasis on the Attic Greek dialect spoken and written in Athens in the 5th century BCE - the language of Plato, Thucydides, and the great Athenian playwrights.</p>	<p>['demonstrate a base of grammatical and syntactic knowledge in ancient Greek;', 'recognise and translate a substantial vocabulary in ancient Greek;', 'identify basic terms of grammatical analysis in English and apply them to the study of ancient Greek;', 'read, interpret, and translate a number of texts in the Attic dialect.']</p>

MTE2541	<p>Bonding: atomic/molecular arrangement. Crystal systems: directions and planes, stereographic projection; metallic, ionic and ceramic crystals. Defects; vacancies and interstitials; dislocations; stacking faults, twin and grain boundaries. Thermodynamics: condensed systems; entropy, Gibbs free energy; ideal and non-ideal solutions; surface energy and microstructure. Phase equilibria and microstructures: Gibbs phase rule; free energy diagrams; phase diagrams; deviations from ideality, phase separation; ordering; eutectic, eutectoid, peritectic and peritectoid reactions; non-equilibrium microstructures, implications for physical properties.</p>	<p>['Understand the definitive characteristics of the key classes of materials and their origins in electronic structure, bonding and atomic/molecular arrangement;', 'Have a thorough knowledge of elementary crystallography, including crystal lattices, elements of symmetry, crystal systems and their representation', 'Recognise common prototype structures for metallic, ionic and ceramic crystals, and possess an understanding of the factors influencing the development of these structures', 'Understand the geometry, crystallography and elastic properties of common crystal defects, and their effects on crystal properties', 'Understand the derivation of binary and ternary alloy phase diagrams from the laws of thermodynamics, in particular the free energy concept, including positive and negative deviations from ideality', 'Appreciate the concepts of equilibrium between multiple phases in binary alloy systems and their embodiment in Gibbs' Phase Rule and the concept of chemical potential', 'Understand the microstructures to be expected for various binary material systems exhibiting, in particular, complete solid solubility, the eutectic, eutectoid, peritectic or peritectoid reactions', 'Appreciate aspects of microstructure controlling solid solubility and the role of surfaces and interfaces in controlling microstructures', 'Possess an elementary grasp of the consequences of nonequilibrium in binary systems', 'Appreciate the influence of microstructures on some physical properties', 'Have become familiar with the resources of a Library for acquiring information of specific interest to a Materials Engineer', 'Have gained basic laboratory skills applied to study the microstructure of materials', 'Have an ability to communicate within a team in carrying out laboratory work', 'Have an ability to keep accurate laboratory records and to prepare a formal report on an experiment.']</p>
ATS3918	<p>This unit involves a program or project in collaboration with an international organisation, carried out in-country overseas. Students will apply to participate in an approved project and will require the approval of the unit coordinator to enrol. Students may be eligible for financial support for overseas study via Monash Abroad.</p>	<p>['Advanced professional experience in international journalistic collaboration through either an approved program of study or a project;', 'Ability to analyse and reflect on international journalism professional practice;', 'Ability to apply the principles and practice of journalism that they have learnt in their undergraduate studies in an international context;', 'Skills in cross-cultural communication and collaboration;', 'Evidence of a portfolio of experiences and publications gained during placement;', 'Competence in meeting the demands of an international professional program or project and being able to reflect critically on those demands.']</p>

ATS3930	<p>From the medieval period onwards, expansion brought Europeans increasingly into contact with diverse cultures and civilizations. This unit explores how encounters between Europe and the world were transformed from the tentative and uncertain contacts that characterised earlier periods to the self-confident imperialism of the nineteenth and twentieth centuries. Rather than analysing the broad sweep of political history, we are interested in the leading edge of cross-cultural encounters: in travellers, diplomats, and slaves who 'crossed-over' to engage with new cultural worlds, in the tools that made these encounters possible and in the commodities that underpinned global exchange.</p>	<p>['gain a broad understanding of the historical timeline of European expansion', 'gain a clear understanding of key historical debates about the rise of the West', 'gain a thorough understanding of how cross-cultural encounters changed over time', 'gain a clear understanding of different theoretical approaches that historians have used to conceptualise Europe's encounters with the world', 'explore the evolution of historical debates over Orientalism', 'be able to recognize and analyse key historical themes in the history of cross-cultural encounters', 'learn how to work with archival sources', 'learn how to use visual sources (such as maps) effectively in research', 'have further developed their oral and written communication skills', 'have acquired independent research skills across a range of historical source areas.']</p>
FIT2104	<p>This unit provides students with the knowledge, understanding and skills required to analyse a business problems and develop a solution that uses a web interface to a back-end database. The unit assumes a sound basic knowledge of programming and database concepts and skills as developed in the introductory units in these areas. The emphasis in the unit is on mastery of the key concepts and the basic knowledge and skills required to build this kind of application. The unit will provide students with an awareness of the wide range of technologies that are used to support this kind of application, but will examine only a limited number of these technologies to demonstrate the key concepts and their application.</p>	<p>['explain the need and importance for application developers to have skills in this area of IT applications;', 'describe and compare the key basic technologies which underly the development of web database applications;', 'evaluate and assess the key technological issues confronting developers when building applications of this type;', 'implement the key features of programming languages which are commonly used for developing web database applications;', 'analyse, design, develop and implement a web database application using a commonly used programming language;', 'evaluate and critique proposed web database solutions to a business problem.']</p>
MPH5260	<p>This unit will examine policy and systemic approaches to disease prevention and health promotion at the level of individuals and populations in a global world. The major global causes of disease burden, their risk factors and more upstream influences will be examined with respect to policy and system-level approaches. Students will reflect on the complex interplay among evidence, policy and practice in relation to prevention. Case studies from both developed and resource poor countries will be considered. This unit is one of a group of policy units that also include MPH2069 and MPH2072.</p>	<p>['Demonstrate an understanding of policy development, disease prevention and health promotion and the importance of population-based approached;', 'Demonstrate an understanding of the different policy approaches to disease prevention and health promotion;', 'Demonstrate an understanding of the complex interplay between evidence, policy and practice;', 'Demonstrate an understanding of investment in relation to prevention and the need for sustainable resource allocation;', 'Describe and evaluate different approaches to prevention and how these impact differentially on populations and their health outcomes; and on populations and their health outcomes; and', 'Demonstrate an understanding of the different global forces and other dynamics that are both threats and opportunities for disease prevention and health promotion.']</p>

EAE4061	<p>This is an intensive 12-day field trip to New Zealand, one of the best natural laboratories in which to learn about geology. Apart from being dramatically different to Australia in terms of modern day geological activity, it is a ribbon continent with a complex assembly of allochthonous terranes, part of which was formerly part of Australia. It has hyperactive back arc volcanism, spectacular geothermal activity, very active seismicity and is one of the few countries in the world with glaciers at sea level. Some of the main concepts to be covered will be:</p>	<p>['Explain the relationships between the ancient geological processes preserved in Australia and the young processes occurring in New Zealand.', 'Use new skills in interpreting evidence of deformation and origin of a fault structure.', 'Understand and interpret field evidence of the different mechanisms driving different types of metamorphism.', 'Prepare a stratigraphic log.', 'Understand and interpret field characteristics of geochemical processes.', 'Present an overview of a complex geological topic to a educated geoscience audience.']</p>
ATS1045	<p>This unit develops fundamental music performance skills by studying repertoire drawn from the literature of the student's principal instrument or voice. The choice of repertoire presented should be of greater complexity and difficulty than that studied in ATS1044 Performance 1.</p>	<p>['utilise fundamental conventions of instrumental/vocal technique;', 'perform instrumental/vocal repertoire, demonstrating control of rhythm, articulation, timbre and intonation (if applicable);', 'prepare chosen works to demonstrate knowledge of relevant instrumental/vocal repertoire;', 'demonstrate musicianship through phrasing, dynamics control and general expression found in the chosen repertoire;', 'perform competently in a chosen/approved music ensemble;', 'demonstrate music listening skills through verbal critiques.']</p>

MED3100	<p>This unit is an integrated medicine/surgery curriculum based on the four themes of the medical curriculum: Personal and professional development; population, society, health and illness; foundations of medicine; and clinical skills. Evidence-based educational approaches support students in acquiring appropriate knowledge, attitudes and skills in medicine, surgery, clinical skills, evidence-based clinical practice, occupational and environmental medicine, pathophysiology, pharmacology, ethics and law. Learning activities specific to each specialty area will be linked to the specific clinical placement and may include lectures, tutorials, case-based learning, bed-side tutorials, and practical skills sessions. Previous learning will be extended. By the end of the year students must be capable of undertaking history and clinical examinations of patients with straightforward conditions.</p>	<p>['Comply with the code of conduct for Monash medical students.', 'Use key ethical and legal principles to discuss and evaluate issues relevant to public health, clinical research practice, and professional standards for patient care.', 'Communicate effectively and appropriately with others in academic and clinical settings (patients, family and carers, peers, and health care professionals).', 'Interact appropriately and work collaboratively with others in clinical settings.', 'Identify, develop and use strategies to meet academic and personal challenges and needs.\n\nTHEME II', 'Explain the impact of social and environmental determinants of health on health status in marginalised groups, including the Indigenous population.', 'Evaluate available programs, interventions and community resources for prevention and health promotion to determine their suitability for a patient or community.', 'Apply key concepts in population health, epidemiology and measurement of health and disease in populations.', 'Describe how the delivery of health care services has its impact on the health of individuals at all levels of the health care system.', 'Effectively search, appraise and implement information from medical research literature, lay press and clinical practice guidelines.\n\nTHEME III', 'Explain the structure and function of the human body at cellular, organ, system and whole body levels.', 'Apply the knowledge and concepts of basic biological, psychological and social science to common and important clinical conditions.', 'Relate presenting complaints and clinical signs to common and important illnesses, conditions and disorders.', 'Explain the pathological processes and causes underlying clinical signs and symptoms for specified illnesses and conditions.', 'Discuss appropriate pharmacological approaches to the management of specified conditions and diseases.\n\nTHEME IV', 'Elicit and record an accurate clinical history appropriate for the patient and the clinical context.', 'Perform and accurately record an appropriate physical examination.', 'Synthesise symptoms and signs to determine the most likely diagnosis and relevant differentials.', 'Competently perform specified clinical procedures.', 'Explain investigations and select appropriately for the patient's presenting problems or conditions.', 'Describe management principles for specified clinical problems.', 'Effectively communicate medical information to patients.']</p>
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BTF5841	<p>The unit aims to develop knowledge and skills relating to the legal principles which underpin contemporary human resource management issues. It includes consideration of such matters as recruitment and selection, contract of employment issues, performance appraisal, equal opportunity and anti-discrimination, termination of employment, remuneration, rewards and employee benefits, employee health and safety and related HRM issues. The unit takes a practical approach to these matters and focuses specifically on practical case studies and decisions of the Courts and Tribunals.</p>	<p>['identify a wide range of legal issues affecting the human resources practitioner', 'illustrate the practical implications of the law in the area of human resources management by identifying emerging issues in the media, the workplace and the case law', 'apply the legal principles from relevant cases to hypothetical scenarios involving human resources management issues', 'evaluate the principles underlying employment laws and assess the law's impact on the employment relationship.']</p>
RAD2061	<p>This unit provides a basic understanding of the human body, its structure and the function of its organs in health and disease. The unit covers the cardiovascular system, respiratory system, renal system, haematopoietic system, gastrointestinal system, endocrine system and reproduction. The unit incorporates the anatomy, physiology, pathology and radiographic imaging techniques related to each system. An introduction to the pharmacological principles underlying drug action, drug absorption, distribution, metabolism and excretion and the adverse reactions to contrast media complements the body systems.</p>	<p>['Describe the anatomy & physiology of the haematological, respiratory, cardiovascular, respiratory, endocrine, reproductive, urinary and gastrointestinal systems and the significance for medical imaging examinations', 'Discuss pathological processes associated with haematological, respiratory, cardiovascular, respiratory, endocrine, reproductive, urinary and gastrointestinal systems', 'Demonstrate an understanding of the fundamental concepts of pharmacology, pharmacokinetics and toxicology;', 'Explain the general principles, risks, classification, structure and properties of radiographic contrast media;', 'Describe the prevention, treatment and support for contrast media reactions; and the characteristics of other drugs used in the clinical setting, general and local anaesthesia and their implications for patient care during diagnostic imaging examinations;', 'Identify and describe the radiographic representation of the organs comprising cardiovascular, respiratory, gastrointestinal, urinary, endocrine, reproductive systems;', 'Identify and describe the radiographic appearances of pathologies affecting the cardiovascular, respiratory, gastrointestinal, urinary, endocrine and reproductive systems;', 'Identify and describe the angiographic representation of normal anatomy']</p>
FIT5094	<p>This unit provides students with an understanding of the development and use of information systems that support managers, especially their decision-making tasks. Students will learn of the nature of management work and decision theory and how this affects the development of decision support systems. A number of commonly used decision support methods and techniques will be explored. Students will be introduced to personal decision support systems, group support systems, negotiation support systems, data warehousing, executive information systems and business intelligence.</p>	<p>['examine and describe the concepts, scope and application of IT for decision support;', 'explain the nature of managerial decision-making;', 'create IT-based decision support for managers;', 'evaluate major approaches of IT-based decision support;', 'select the appropriate decision support approach for a particular project;', 'perform system analysis for management support projects.']</p>

ACX4040	<p>The objective of this unit is to provide students with a broad introduction to the contemporary themes in research into Accounting Information Systems. The unit covers issues of research and practice in the following areas: frameworks and ontologies in information systems; decision making; process modelling; behavioural aspects concerned with the design and implementation of systems; and data management issues. Upon completion of this unit, students are expected to be able to evaluate critically the design and conduct of research, and to design their own research into issues of relevance to the accounting information systems field.</p>	<p>['develop an understanding of key philosophical issues in Accounting Information Systems research, particularly the ontological foundations of the discipline', 'articulate solutions to significant research problems using key paradigms in the Accounting Information Systems discipline', 'critique research relating to the design and use of accounting and business information systems', 'apply critical thinking, problem solving and presentation skills to individual and/or group activities dealing with issues in accounting information systems and demonstrate in an individual summative assessment tasks the acquisition of a comprehensive understanding of the topics covered by ACX4040.']</p>
AZA4310	<p>The United Nations Convention on the Rights of the Child (UNCRC) rests on four pillars: survival rights, development rights, protection rights and participation rights. These pillars are used in this unit as they provide an appropriate policy and legislative framework for children and youth at risk and articulate the notion of children's rights. Inter-sectoral integration, the establishment of minimum standards of care, adjustments to legislation and programmatic responses are incorporated in this movement. Students will gain an understanding of the impact legislation has in the child rights' area locally and abroad through the application of case studies. The unit will cover the process of policy development and evaluation and will explore the skills related to the managerial responsibility of supervision. The aim of the unit is to prepare the child and youth care worker for the more strategic macro level responsibility of ensuring that services to children and youth are aligned with policy and legislation through procedural knowledge and supervision skills.</p>	<p>['Evaluate and design policies with the policy development process.', 'Identify and explain policy principles', 'Explore current legislative and policy frameworks that guide child and youth development services in South Africa', 'Provide an overview of international legislation that impacts on service to children and youth', 'Describe the rights of young people and promote these in practice', 'Integrate the role of advocate into the professional repertoire.', 'Demonstrate basic knowledge of grants and how to access them', 'Explain the skills underlying supervision and leadership']</p>
NUT4121	<p>Each student will undertake a research project under the supervision of an approved member of the academic or research staff of Monash University. The choice of project and supervisor will be the responsibility of the student, in consultation with an academic advisor for the Nutrition and Dietetics unit. The research project will constitute the major portion of the students' work and will be conducted over a full year. This unit will include the components of literature review and description of methods. Students will present their research proposal in a seminar format.</p>	<p>['gain experience in undertaking an evidenced-based review of the scientific literature in their discipline;', 'discuss the strengths and weaknesses of the proposed study design for their research project;', 'describe the methodology required for their research project and summarise the logistical process involved in data collection;', 'outline the main statistical methods that will be used in their research project and demonstrate competency in using the software programs required for these analyses; and', 'demonstrate a high level of competency in oral communication skills to a specialist scientific audience.']</p>

ATS2914	<p>The unit is designed to introduce students to the development of the dark or satanic hero in a range of major English texts selected to illustrate the tremendous impact and popularity of this powerful figure. Writers since the Renaissance have created powerful and seductive heroes, anti-heroes and appealing villains who advocate and personify radical individualism, self-sufficiency and ambition, but who are often isolated, gloomy and dissatisfied by their revolt against God, morality and society. Special attention will be given to the gendered representation of the dark hero, particularly the persistent tendency to represent or view female characters who challenge moral codes in relation to prevailing social roles of virgin/whore, good/bad mother etc. The unit encourages students to examine the relationship between the satanic heroes, vamps and villains who appear in the unit texts and the many dark heroes of who have subsequently appeared in literature.</p>	<p>['identify key characteristics of the Dark or Satanic Hero;', 'identify the historical development, and with a range of different historical manifestations, of these figures;', 'identify the psychological, social and cultural roots of these figures and the impact they have had;', 'identify the key critical debates concerning the Dark Hero;', 'evaluate the relevance of these debates to the course-texts as well as to modern manifestations of these figures in literature;', 'argue their interpretations clearly and persuasively in oral and essay form;', 'communicate ideas and position effectively in discussion.']</p>
BEX3410	<p>This unit presents econometric models and techniques that are widely used in modern applied econometrics. Emphasis is placed on models that address the special problems that arise when analysing microeconomic data, that is, data at the level of individual consumers, households and firms. The topics covered include modelling discrete dependent variables, modelling data sets that have both a cross-section and a time-series dimension and conducting inference in models in which the dependent variable is jointly determined with one or more of the regressors. The models taught in this unit are widely used in empirical work in economics, finance and marketing.</p>	<p>['conduct statistical inference in statistical models with a binary dependent variable', 'conduct statistical inference in statistical models with one or more endogenous explanatory variables', 'conduct statistical inference in a system of simultaneous equations', 'conduct statistical inference on data that has both a time series and a cross section dimension.']</p>
ATS3582	<p>This unit will provide an historical analysis of the changing dimensions of the Arab-Israeli conflict from its origins to the present day. Themes to be studied include Jewish-Arab relations under the Ottoman Empire and British Mandate, the emergence of Jewish and Palestinian nationalism, Zionist ideology, the impact of the Holocaust, the birth of Israel in 1948 and the Palestinian refugee crisis, war, the status of the West Bank, Gaza and Jerusalem, the rise of the PLO, the Intifadas, terrorism and counterterrorism. In tutorials, students will simulate the politics of negotiation by engaging with documents that have attempted to forge a peaceful end to the conflict.</p>	<p>['Understand the competing narratives and claims of all parties to the conflict and how the past informs current perceptions of the conflict', 'Be able to describe the historiographical debates about the history of the conflict', 'Have a knowledge of the broader regional and global implications of the Arab-Israeli conflict', 'Be able to analyse how key documents framing the conflict have been contested by different parties and political streams', 'Have the ability to interpret the role of the media in shaping perceptions of the Arab-Israeli conflict.', 'To distinguish between different schools of thought in current historiographical debates about the conflict.']</p>

ATS1111	The primary focus of the unit is to develop fundamental communication skills required for use in interacting with Indonesians. The overarching theme is on biography and the unit draws on the biographies of Indonesians, Australians and others who have had an impact on Indonesia's development and/or its relationship with the world. Cultural lectures explore the lives of Indonesians and the creation of the nation using film and literature as primary media. Tutorials provide language practice and opportunities to express personal experiences and interests in Indonesian while developing knowledge of structure and cultural practice in language use. Students taking this unit are not expected to have any prior knowledge of Indonesian language or culture.	['apply a practical knowledge of Indonesian language and culture to present information about themselves and others in Indonesian;', 'understand and utilise the Indonesian writing system as it relates to sound and spelling;', 'use an Indonesian dictionary through an awareness and understanding of Indonesian morphology;', 'apply basic research skills to retrieve, synthesise and communicate information related to biographies of prominent Indonesians in English.']
BES4030	Under the guidance of an academic supervisor, this subject allows a student to independently gain in-depth discipline knowledge in a selected area of business and commerce, as a foundation for the completion of an honours research project. The student will complete a prescribed list of readings, undertake further independent literature studies and complete other learning activities and assessments considered appropriate for the selected field of study.	['to analyse the literature to determine the research methodology appropriate for the chosen research project', 'to synthesise the literature to inform the students' research method design and implementation', 'to critically evaluate the literature and present in written and/or oral form key arguments related to the selection of methods for the research project.']
DWG3519	This unit offers an extended engagement with the representational issues prefaced in the previous units. In a studio class, sequential projects, will explore the visual description of the human body in a variety of spatial, conceptual and contemporary contexts. This will promote the investigation and discovery of a range of appropriate representational strategies involving drawing and contemporary media. A practical study of the work of historical and contemporary exemplars of body imagery is an important part of the unit.	['Demonstrate skill in using an extended range of drawing materials and processes to confidently create dynamic relationships between the body and its surrounding space;', 'Demonstrate they possess an understanding of the relationship of drawing to the creation and manipulation of form and space;', 'Demonstrate they are capable of creating drawings in a variety of scales and media;', 'Begin to recognise individual responses and make independent judgements on the appropriateness of procedures and techniques for their description;', 'Demonstrate they possess greater understanding of the philosophical, theoretical and aesthetic issues underlying the perceptual drawing process;', 'Understand and apply the rules of occupational health and safety appropriate to the discipline practice.']
LAW4156	This unit looks at the principles that the Australian courts apply to civil cases in which not all facts are linked to a single jurisdiction. There may be links to foreign countries or to more than one Australian jurisdiction. The main questions considered in this unit are:	['Explain and evaluate the principles and rules applied by Australian courts to civil cases in which not all facts are linked to a single jurisdiction;', 'Analyse the aims of private international law and critically evaluate the underlying policies and theories;', 'Demonstrate intellectual and creative skills to articulate legal and policy issues, to research, interpret and synthesise relevant legal, policy and factual matters, and to formulate reasoned and appropriate responses to legal problems;', 'Communicate in ways that are effective, appropriate and persuasive; and', 'Learn and work autonomously and use feedback to improve their capabilities and performance.']

ATS2380	The unit examines migrations of people across the globe as a potent force in the making of the modern world, with a focus on Australia since the mid-eighteenth century to the present day. The movement of people is considered in the context of major transformations in criminal codes, government legislation, labor force requirements, resources booms, and the disruptions of revolution, war and armed conflict. Groups to be studied include convicts, assisted immigrants, indentured labourers, gold-seekers, displaced persons, refugees and asylum seekers. The efforts of governments to shape their populations, through mechanisms such as transportation, the regulation and restriction of migration, deportation, internment and border control will also be studied.	['identify and explain the major forces that have shaped the movement of people across the globe to Australia since the mid-eighteenth century;', 'distinguish between transportees, indentured labourers, slaves, assisted migrants, displaced persons, refugees and asylum seekers;', 'analyse the migration patterns and developments that have influenced the shifting demography of Australia through problem based learning research projects;', 'develop oral and written communication skills in constructing evidence-based arguments using a variety of primary and secondary sources', 'reflect critically on what they have learnt.']
MGX5900	Students conduct an original research project on a significant issue in management. The project can be purely theoretical; eg: a literature review leading to development of a new model and/or propositions for future research; an empirical examination such as a test of hypotheses based on primary survey data and/or interviews; a test of hypotheses based on secondary data sources, exploratory or explanatory case study work, experimental or simulation work, or the development of a methodology contributing to the solution of a significant organisational problem.	['conduct a research project on a significant issue in the field management', 'critically evaluate the extant literature based on the relevant research topic', 'design and execute a research plan, identifying appropriate methodology contributing to the overall analysis', 'critically analyse the findings in a major analytical report on the project.']
HEC5871	The achievement of efficiency in the health sector. Alternative approaches to allocative efficiency, recent developments in the management of the market, and efficiency in hospitals. Aspects of evaluation techniques including recent developments in quality of life measurement, statistical issues, and modelling techniques.	['undertake sound research in health economics', 'have knowledge of the major issues in health economics and the capacity to judge the importance of these issues', 'function as independent professional health economist.']
FIT5139	Modern computer systems contain parallelism in both hardware and software. This unit covers parallelism in both general purpose and application specific computer architectures and the programming paradigms that allow parallelism to be exploited in software. This unit examines both shared memory and message passing paradigms in both hardware and software; concurrency, multithreading and synchronicity; parallel, clustered and distributed supercomputing models and languages. Students will program in these paradigms. This unit draws on units in distributed databases and grid computing. It will also cover the technology and application of cloud computing with particular reference to programming frameworks (e.g. MapReduce, Hadoop etc).	['solve basic problems in distributed computing, especially in relation to synchronisation, distributed transactions, concurrency control, distributed consensus;', 'explain the differences between various distributed computing models and widely used distributed computing schemes;', 'describe a variety of parallel programming paradigms, synchronisation and parallelisation primitives, message passing, data parallel, tuple space;', 'identify computational tasks that benefit from parallelism;', 'design and implement a parallel-distributed software system.']

FIT5057	<p>This unit focuses on a holistic approach to project management. It provides students with a high level of understanding of the processes of project management, as well as sound skills in the use of project tools. Proficiency in using key tools and concepts could give students a significant competitive advantage in the market place. The content deals with: concepts and definitions; organising and staffing the project office and team; planning, scheduling techniques; cost control; risk management; contracts and procurement; etc. Case studies, articles of interest that may appear in current media, and students' own work experiences with project management, will be discussed to optimise the learning opportunity in the unit.</p>	<p>['analyse and evaluate the role of the modern project manager in the context of IT projects;', 'interpret and critique a variety of project management methodologies offered by various professional bodies including that provided by the Project Management Body of Knowledge (PMBOK);', 'describe and apply the available strategies, techniques and decision tools used by project managers to manage modern IT projects based on PMBOK methodology. ']</p>
ACX5951	<p>This unit centres on both a conceptual and practical approach to International Accounting Issues with emphasis on international standard setting and compliance as viewed by regulators and private sector preparers of accounts. Students gain a practical understanding of these issues in an international context through the overseas visitation program which forms an integral part of this unit.</p>	<p>['develop an understanding the history of accounting standard setting in various countries and the international convergence of accounting standards', 'develop a practical understanding and appreciation of cultural differences within the area of international accounting through an overseas visitation program', 'develop a set of academic skills which include the ability to work independently, evaluate academic papers in terms of the application of theories to understand and explain differences in financial reporting, search the web and to submit assignments on time', 'develop excellent oral and written communication skills to be able to analyse case studies and to lead/participate in groups from diverse cultural and social backgrounds. ']</p>
MEC4801	<p>This unit explores various established techniques such as dye penetration, magnetic particle, eddy current, ultrasonic and radiography for non-destructive testing (NDT) and contrasts them with destructive methods. Industry standards for NDT and acceptance standards will be included. Case studies from a variety of industries which include microelectronics, aerospace, marine, railway and petrochemical industries will be discussed.</p>	<p>['Characteristics of each method.', 'Theory & basic principles.', 'Advantages and disadvantages.', 'Selection and comparisons of techniques', 'Materials of parts that can be inspected (e.g. fibre-reinforced composites, metals and non-metals)', 'Physical size and/or shape limitations of parts.', 'Economics of the process.', 'Types of defects that can be detected and', 'Ability and accuracy, with which defects can be located, sized, and their orientation and shape characteristics determined.\n\nSpecifically, the unit aims to develop the ability to:', 'Relate the capabilities and limitations of established NDT techniques to their respective basic working principles.', 'Evaluate the various NDT methods for flaw detection and damage assessment and be able to select the appropriate technique for a given scenario.', 'Perform data acquisition and signal analysis related to NDT techniques and use these results to predict the health and integrity of the test specimen. ']</p>

SWM5190	Topics include the purpose of research and its place in social work; research ethics including intellectual property issues; research designs including qualitative, quantitative, exploratory and experimental methods; developing research questions and hypotheses; sampling and data analysis including statistical analysis and writing research reports.	['ethical issues relating to research with humans;', 'issues relating to the place and role of different types of research in Social Work;', 'the principles underlying qualitative and quantitative research;', 'research design, research questions and data collection methods;', 'a range of statistical techniques and when it is appropriate to use them.\n\nStudents are also required to demonstrate their ability to develop a research proposal. ']
RTP5101	This is the second core unit of the Master of Advanced Radiation Therapy Practice. It is designed to meet the needs of Radiation Therapists seeking to extend their knowledge and skills in patient care, assessment and toxicity management. The unit will allow students to develop the skills to formulate strategies to assist in managing patient care and treatment compliance through communication and cultural competence. Students will critically evaluate the tools used to assess and monitor the condition of patients during their treatment course. Students will also analyse information management in relation to their current roles in supporting patients. The assessment and monitoring tools used in evaluating the effects of a cancer diagnosis and treatment will be investigated and their application to radiation therapy practice appraised.	['Appraise the issues associated with information literacy and provision of information to cancer patients prior to, during and after radiation therapy', 'Evaluate and reflect on communication theory relating to patient care, assessment and compliance with treatment', 'Analyse the concept of cultural competence reflecting on how this may impact on patient care and management', 'Explain the concept of emotional intelligence and describe how this can be used in patient care strategies', 'Analyse the impact of cancer diagnosis and the effects of radiation therapy on quality of life', 'Evaluate the tools which are used for the assessment of patient health, performance status, well-being and satisfaction', 'Distinguish between the range of toxicity assessment tools used in radiation therapy and apply this to your current practice. ']
ATS2784	This unit provides students with an opportunity for a critical engagement with contemporary scholarship on the sociology and political economy of news production; news organisations and practices in the public, private and not-for-profit sectors; news media formats and representation. It asks students to think critically about industrial and post-industrial news media; journalism, public relations and politics; journalism and social diversity; journalism and the public sphere; technologies, time and space in news media. The unit takes a comparative approach to historical and geographical contexts.	['demonstrate a satisfactory knowledge and capacity to make effective usage of the academic literature in the sociology and political economy of journalism;', 'demonstrate an ability to research, discuss and analyse issues in a clear, concise and rigorous way;', 'collaborate constructively with fellow students in learning and discussion processes, including online forums;', 'produce their written work to deadline making effective use of the conventions of scholarly presentation (references, bibliography, etc);', 'work independently and in groups to achieve their learning outcomes;', 'demonstrate a critical awareness of the strengths, limitations and socio-professional implications of scholarly practice in journalism studies. ']
AZA3919	In this unit, students have the opportunity to obtain a greater practice-based understanding of print, audio, visual or on-line media. Students have to apply to the unit coordinator for enrolment in this unit. The unit coordinator will discuss and negotiate placement opportunities. Students are required to produce self-authored work for publication/broadcast and to write a reflective report on the process and tangible outcomes of the placement experience.	['Practical experience in journalistic media in South Africa or Africa more broadly;', 'The capacity to analyse, evaluate and reflect on newsroom and journalism practices and about news.', 'Capacity to apply the theories, principles and practice of journalism and how to apply what they have learnt in their undergraduate studies;', 'Skills relevant to prospective employers in the journalism field;', 'Evidence of having compiled a portfolio of experiences and publications gained throughout the placement;', 'The ability to meet the demands of a professional workplace and the capacity to reflect critically on those demands. ']

APG5874	Students undertaking this unit will be provided with opportunities to further develop their knowledge of the T&I; sector, locally and globally, and to apply the professional skills and aptitudes they have developed during the course to more industry-centred activities.	['apply acquired T&I; professional skills to simulated real-life situations;', 'exercise professional judgement in developing new understandings of the T&I; industry demands and requirements;', 'develop further professional knowledge of T&I; local and global norms and standards;', 'show technical skill in designing, conducting and acting in mock professional situations;', 'collaborate with industry professionals and fellow trainees on projects reflecting workplace practices.']
CHM2922	This unit covers the theory and instrumentation behind common physical and analytical instrumental techniques such as infrared, Raman, UV/Vis absorption and fluorescence and atomic spectroscopies, mass spectrometry, chromatography and electroanalytical chemistry. A knowledge of the physical chemistry of gases and liquids is an important precursor to the understanding of chromatographic and electroanalytical chemistry. The application of these techniques in forensic analysis is examined using examples such as the detection of accelerants at arson scenes, drug detection in sport and identification of micro samples at crime scenes. Practical exercises will provide problem solving in physical and forensic analytical chemistry. A "Moot Court" team exercise and guest lecturers are an integral part of the subject.	['Comprehend concepts in instrumental analysis, including accuracy and precision, sensitivity, selectivity, detection limit and dynamic range;', 'Describe the principles and applications of spectroscopic techniques such as infra-red, Raman, UV/Visible absorption and fluorescence, and atomic mass spectrometry;', 'Demonstrate knowledge of electrochemical techniques for chemical analysis;', 'Distinguish the need for, and uses of, separation techniques such as gas and liquid chromatography;', 'Evaluate a range of instrumental methods and how different instruments operate;', 'Compare and contrast a number of case studies illustrating the many and varied uses of chemical instrumentation for solving analytical and forensic problems;', 'Use database searching and retrieval for compound identification;', 'Demonstrate expertise in the manipulation of chemicals, the use of chemical analysis techniques, risk assessment and the use of modern information technologies and data analysis;', 'Work in small groups and be competent in the written and oral presentation of scientific data, including in the context of a Moot-court scenario.']
AZA1371	The unit is an introduction to moral philosophy. The focus of the unit is the ethics of killing. The unit adopts a global perspective but looks at issues through a South African and African lens. We examine questions such as: When, if ever, is killing justified? Many of us think that killing is permissible in emergency rescue situations, or in self-defence. Is it possible to explain this in a way that is consistent with our more typical attitudes to killing? What about killing non-human animals for food? Like all philosophy units, this unit will also develop critical and analytic thinking skills. These issues are linked to the situation regarding life and death in South Africa and Africa in general, with particular reference to some of the ethical dilemmas (such as violent crime) encountered within this context.	['NA']

ATS3876	The subject will take the form of student-initiated discussions on problems connected with knowledge and belief. It will be mainly based on recent articles, which will be mostly be found in the prescribed text for the course, and in the case of a few others, made available online.	[To acquaint students with developments in epistemology as it has been practiced in analytical philosophy in especially the period from the 1960s to the present day.', 'To provide students with an environment in which to learn, and to improve their philosophical skills. by face-to-face discussion of the issues, from week to week, with other students who have read the same preparatory material for the class in question and may have come to different conclusions.']
AHT3530	This unit focuses on Neo-Baroque aesthetics in contemporary culture and their historical antecedents. The Baroque themes of spectacle, trompe l'oeil excess, and incorporeal experience will be examined with reference to the visual arts from Caravaggio to Borromini. The return of these preoccupations in contemporary art and media will also be explored. Key historical and theoretical topics, such as the status of illusionism and narrative in art, the representation of spirituality, sexuality and death, and the recent 'remediation' of earlier visual forms and ideas will be emphasized.	['Identify the main characteristics of Baroque and Neo-Baroque visual culture;', 'Understand the historical, cultural, and social contexts of Baroque and Neo-Baroque art and media;', 'Understand key aesthetic and theoretical concepts in Baroque and Neo-Baroque visual culture;', 'Perform critical analyses of historical and contemporary works of visual art and architecture;', 'Demonstrate their awareness of the historical and recent precedents for, and dimensions of, their own practice.']
ATS1229	This unit aims to provide a basic foundation in the basic language skills: listening, speaking, reading and writing Italian, and a brief introduction to contemporary Italian social and political history and culture. It is specifically designed for those students who have little or no knowledge of the language.	['understand, speak and write basic Italian with reference to present, past and future events in a range of everyday situations', 'read elementary but authentic Italian texts', 'understand basic structural aspects of Italian', 'have an enhanced understanding of language learning and communication strategies, and', 'understand key aspects of contemporary Italian culture and society.']
ATS1061	This unit provides teaching in the basic language skills (speaking/listening/reading/writing) and an introduction to French society. It is designed for students with little or no knowledge of the language. Students will be encouraged to develop appropriate language learning strategies. Regular assessed homework and tests emphasize the continuous nature of language learning and the need for frequent practice. In the Specialized Culture component, students will explore an aspect of French culture and society and develop competence appropriate to their year level in the theory, practices and discourses involved in analysis of it.	['use basic speaking, listening, reading and writing skills (and appropriate vocabulary) to communicate effectively in French in a limited range of situations and on a limited range of topics;', 'locate information in basic texts in French;', 'recognise and use basic structures and sounds of French;', 'identify and use prescribed grammatical items;', 'critique aspects of contemporary French history, values and identity and their evolution;', 'interpret given information and synthesise knowledge into a prescribed format.']

IDN1001	<p>The aim of this unit is to introduce the student to the fundamental principles of understanding and controlling three-dimensional form. Design elements. A deconstructed look at the world. Students undertake weekly exercises that lead through the 'grammar' of shape, form and line. They practice expressing these things through drawing and the exploration of abstract interpretations in card, paper and foam. Early explorations of the same in a simple form of CAD (e.g. Google sketch-up). Cardboard structures are built to explore early understanding of structure balance and geometry in static objects. This unit explores the nature of design by introducing the characteristics of space, objects or images as appropriate, as part of a designer's repertoire of knowledge and understanding. Basic design studies provide the framework for the development of a language of design.</p>	<p>['Recognise, analyse and apply the elements and principles of design;', 'Understand the nature of a generic design process and apply methodical steps in their own projects;', 'Understand core concepts of manipulating form to convey shared meanings;', 'Understand and appreciate the core concepts of structure in design;', 'Observe and employ occupational health and safety appropriate to studio practice.']</p>
SDN3002	<p>This unit builds on skills developed in previous studios and applies these to a range of focused projects that extend and explore transformational practices in spatial design and interior architecture. In this studio successful project outcomes will be of a high intermediate level of complexity. They will provide an opportunity to integrate learning across the course with the development of responsive design practices. A number of focused studio projects will be offered.</p>	<p>['Respond creatively to complex design briefs;', 'Investigate relevant concepts and precedents in design discourse and incorporate these into design proposals;', 'Understand the role of key built environment professionals and apply the conventions for the production of construction documentation;', 'Demonstrate the resolution of competing needs during the development of a design proposal with increasing awareness and independence;', 'Explore and communicate design schemes through appropriate modes of representation;', 'Understand and apply the rules of occupational health and safety appropriate to the discipline practice.']</p>
FIT5106	<p>This unit develops understanding of the fundamental principles, concepts and standards that guide the development of information organisation and retrieval systems and web-based information architectures. It deals with standards governing description, distribution and access to information locally and globally cataloguing, indexing, thesaurus construction, classification and metadata for knowledge discovery. It examines the effects of economic, social and technological factors on the development of bibliographic networks and cataloguing operations. Practical sessions deal with the use of major bibliographic tools, schemes and systems for information organisation.</p>	<p>['explain the key principles, concepts and standards that guide the development of information organisation and retrieval systems and web-based information architectures;', 'apply standard cataloguing, classification, indexing, thesaurus construction, and knowledge discovery metadata schemes and tools;', 'explain the guiding principles behind bibliographic utilities/networks;', 'use bibliographic software; and', 'design systems for organising information and facilitating access to information resources in physical collections or digital/web-based repositories.']</p>

GEN2041	<p>The principles, concepts, organisms and techniques of genetics are covered in this unit. Topics include: patterns of inheritance; structure and organisation of genes, chromosomes and genomes; gene regulation, mutation and gene function; relationship of genotype to phenotype; genetic linkage and gene mapping; chromosome variation and its role in both evolution and human disease. Examples are drawn from a range of organisms, including humans.</p>	<p>['Explain the central role of genes in the inheritance of traits and describe the complex variations in inheritance patterns due to interaction of genes with each other and with the environment;', 'Illustrate the common chromosomal and molecular mechanisms that underlie inheritance and the structure of DNA, genes and chromosomes;', 'Explain what genes are, how they are regulated, how they control phenotypes, and how they can be altered by mutation;', 'Describe a range of organisms used in studying genetics (viruses, bacteria, fungi, plants, invertebrates and vertebrates, including humans) and explain their common and unique features;', 'Convey to a non-specialist audience the relevance and value of genetics to human society;', 'Demonstrate skills in basic laboratory techniques, in genetics problem-solving and experimental design, and in data collection, analysis, interpretation and presentation;', 'Demonstrate and recognise the value of working with peers.']</p>
FIT5125	<p>The aim of this unit is to prepare Masters students in the Faculty of Information Technology to conduct research across the range of IT disciplines, including computer science, software engineering, information systems and information management.</p>	<p>['identify and explain major research philosophies and paradigms;', 'design rigorous and ethical Masters level research projects and develop project proposals;', 'evaluate and select research methods and techniques of data collection and analysis appropriate to particular research designs, projects and disciplines;', 'conduct ethical research;', 'communicate research findings in written and oral form in research and industry settings;', 'critically review research literature, research design and reported findings;', 'apply research skills to operate effectively as a member of a research project team.']</p>
AMU1018	<p>This unit is designed to introduce students to the practices, requirements and expectations of university study and so prepare them to participate in the academic learning environment. It seeks to equip students with the academic skills, tertiary literacies and attitudes essential for successful university study. The coverage of a range of key skills ranging from academic writing to critical reading is unified thematically by a consideration of what makes university study different, the benefits of a university education and the development of graduate attributes. Throughout the unit, there will be an emphasis on the utility and transferability of these academic skills and competencies for employability, lifelong learning, and to other subjects undertaken so that students can navigate their own learning. Contextualised within themes and topics, lectures will situate skills development within current research, and highlight salient principles and practices. Tutorials will involve participation in a variety of tasks, focusing on discussion, assessment, application, practice and analysis of skills development in context.</p>	<p>['Demonstrate an appreciation of the centrality of skills development in academic excellence;', 'Access and evaluate information needed appropriately;', 'Use strategies and skills for effective, efficient and critical reading of academic texts;', 'Produce essays that present a well-developed, coherent viewpoint and adhere to the conventions of academic writing;', 'Effectively prepare for and deliver oral presentations;', 'Maximise their learning from lectures, tutorials, reading materials and assessment tasks;', 'Employ a range of skills, including academic reading, thinking and writing to academic tasks in this and other units;', 'Apply teamwork, leadership and independent learning skills through various learning opportunities.']</p>

FIT3045	<p>Students on placement participate full time in a defined, graduate level role during a 22-week placement period at established partners of the Faculty of IT industry based learning program including major global companies, leading Australian companies and worldwide consultancies. The students on placement apply the knowledge, skills and practices of professional attitudes and behaviour developed in their academic units. They develop communication, time management, self-reflection and customer service skills in business situations, experience and participate professionally in the corporate environment and obtain feedback from experienced supervisors on their performance.</p>	<p>['set achievable and measurable goals;', 'identify useful theoretical knowledge that has been covered in prior coursework and knowledge that has not yet been covered;', 'develop and practice professional skills and attitudes including: initiative, communication, time-management and teamwork skills in a business environment;', 'develop solutions to business problems using information technology and other techniques;', 'prepare documentation and written reports of a professional standard;', 'address performance improvement opportunities identified by industry supervisors and self-assess opportunities for personal development;', 'develop information technology skills (such as business process modelling, performance enhancement of installed software, updating current software and developing new software) in a complex, corporate business environment.']</p>
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RAD1061	<p>This unit delivers the initial scientific, professional and clinical radiographic knowledge that will be foundational in subsequent Radiographic Science and Practice units as the student progresses along the Novice to Expert continuum of development. The unit introduces the student to the requisite knowledge required to perform radiographic examinations of the limbs and chest and the fundamentals of professional practice to include the behavioural sciences, communication and legally and ethically correct working practices. Clinical exposure to patients under supervision will enable the student to apply these principles across the range of examinations indicated.</p>	<p>['Describe and apply within a professional standards and ethics context theories of the psychosocial impact on human behaviour, communication and occupational health and safety of the working environment;', 'Record and obtain information from individuals employing appropriate observation and interviewing skills, such that the information generated may be integrated with basic scientific theory and knowledge to provide quality levels of patient care;', 'Recognise and adapt, in a professional manner, to the variety of social, cultural and ethical perspectives that may legitimately be encountered within clinical practice;', 'Describe and justify the radiographic projections, body positions and the radiographic exposure factors underpinning general radiographic examinations of the elbow, forearm, wrist, hand, fingers and thumb, knee, tibia and fibula, ankle, calcaneum, foot, toes and chest of an adult ambulant patient;', 'Evaluate the radiographic request form, obtain a clinical history from a patient, select appropriate radiographic protocols consisting of radiographic projections positioning techniques and exposure factors to produce high quality projection(s) that will aid the diagnostic process;', 'Evaluate radiographs in terms of technical quality and positioning criteria and where necessary devise appropriate problem-solving strategies for less than optimal radiographic projections;', 'Distinguish anatomical features on radiographic images and recognise common radiologic pathologies or traumatic appearances in terms of the clinical question being asked;', 'In the light of the clinical problem, assess the appropriateness of supplementary projections, and where required position the patient for the required further images;', 'Under supervision safely conduct radiographic examinations of the elbow, forearm, wrist, hand, fingers and thumb, knee, tibia and fibula, ankle, calcaneum, foot, toes and chest of an adult ambulant patient;', 'Position an adult patient, accounting for his/her clinical presentation, for the radiographic projections identified in the protocol, direct and align the central ray to an appropriate bony landmark and image receptor.']</p>
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MEC3455	<p>This unit aims to develop an understanding of the analytical methodologies used in strength and stiffness assessment of engineering structures and components. It allows students to translate real-world forces into abstract form for engineering modelling of a range of common problems found in industry and gain knowledge of the relationship between analysis and design. Students will be exposed to a wide range of analytical tools and modeling philosophies. To complement these analytical solution techniques, students will now be taught the fundamentals of finite element analysis.</p>	<p>['Describe the strength and stiffness aspects of engineering structures and components.', 'Apply a range of modelling tools and analytical methodologies and develop confidence in evaluating new engineering problems and formulating original solutions.', 'Apply the principles of solid mechanics in engineering analysis and design.', 'Determine elastic and inelastic stresses, deflections in simple and compound beams, pressure vessels and flat plates.', 'Apply the concept of loads and load paths, calculate shear stresses in thin-walled sections and predict stress and strains in non-circular cross-sections members under torsional loading.', 'Generate finite element analysis of solid mechanics problems and identify factors influencing the accuracy of results.']</p>
MID3104	<p>This practice unit complements the theory unit Childbearing obstacles and will focus on students developing their knowledge and skills relating to the obstacles women may experience during pregnancy, labour and birth and the first weeks after birth. Emphasis is given to the recognition of problems and the collaborative and referral role of the midwife. Whilst recognising the role of other healthcare practitioners, midwifery care will be central. Students will be introduced to the use of medical technology and obstetrical intervention whilst maintaining a woman-centred focus.</p>	<p>['apply appropriate knowledge in the care of a woman experiencing obstacles in childbearing;', 'develop plans of care for women experiencing obstacles in childbearing;', 'demonstrate understanding of specific conditions that affect pregnancy, labour and birth, and the first few weeks after birth;', 'evaluate the implications of obstetric interventions in maternity care;', 'critique the use of technology in maternity care;', 'demonstrate beginning skills in the use of technology in midwifery and obstetric practice;', 'demonstrate the ability to manage emergencies;', 'demonstrate the ability to practice within a multidisciplinary team;', 'facilitate woman's access to appropriate community resources;', 'document the ongoing relationship with the women and families that the midwifery student follows through in a way that reflects their own involvement and actions and the rationale for these, as well as the families' actions and attitudes and responses to midwifery care; and', 'demonstrate midwifery competency based on the selected ACMI Competency Standards.']</p>
ATS2932	<p>Throughout the ages and across the world, human beings have struggled for justice by rebelling, resisting and revolting against authority. This unit examines this phenomenon from the uprisings of peasants in medieval Europe to the protests of students in the 1960s, focusing in particular on what has famously been called 'the weapons of the weak'. We will trace both changes and continuities across time by paying special attention to the causes of rebellion, resistance and revolt, the motives of subordinate individuals and groups, the ways they defined and legitimised their struggle, and the tools they have adopted to wage their battle against authority.</p>	<p>['gained broad knowledge of the historical timeline of the struggle for justice', 'gained a clear understanding of the reasons for rebellion, resistance and revolt over time', 'gained a thorough knowledge of changes and continuities in the history of rebellion, resistance and revolt', 'gained a deep understanding of the weapons employed by those rebelling, resisting and revolting', 'a clear understanding of the main historiographical debates in the field of study', 'an ability to analyse carefully and critically key texts in the history of struggle', 'an ability to consider the subject matter both empathetically and objectively', 'developed their oral communication skills', 'improved their written communication skills']</p>

EAE3121	Physical meteorology examines the major physical forces that affect the behaviour of the atmosphere, specifically radiative transfer and precipitation. The radiative transfer section focuses on the scattering, absorption and emission of radiant energy within the atmosphere and how this knowledge is exploited by remote satellite and ground-based instrumentation. The cloud microphysics section focuses on the development of precipitation, as well as the interaction between clouds and aerosols.	['Describe the physical theory of precipitation and radiation in the atmosphere and apply these principles to weather radar and satellite imagery using mathematical models;', 'Demonstrate skills in using mathematical techniques to understand the physics of the atmosphere;', 'Demonstrate high-level knowledge of the important techniques and terminology in physical meteorology;', 'Demonstrate competence in information technology, data handling, and laboratory skills;', 'Analyse and solve problems in physical meteorology;', 'Explain physical meteorology concepts, processes and results to diverse audiences.']
ATS3296	The unit combines a study of the history and formal structures of 'the Musical' with practical tuition and training in writing for Musical Theatre. It examines key theoretical frameworks for the study of Musical Theatre, and defines the formal characteristics of 'the Musical' in its Broadway and other manifestations. It embodies this knowledge in practical song writing and libretto writing workshops, including sessions with leading industry professionals, exploring the implications of particular choices in structure and score. Ultimately, the unit produces a full student-written work of musical theatre which is developed and performed in second semester in the unit, ATS2297/ATS3297 Musical Theatre 2 - Skills and Performance.	['an understanding of the conventions and traditions of twentieth-century musical theatre;', 'familiarity with the distinctive methodological issues involved in the study of the form, and of the languages appropriate to their articulation and analysis;', 'thorough knowledge of key works and developments in the field;', 'applied knowledge of formal structures and writings skills in musical theatre;', 'the ability to work collaboratively in a team throughout a creative process from inception to execution;', 'the capacity to articulate critical analyses in systematic written argument, and in clear and confident oral presentations.']
ATS3314	This unit will bring together students from Monash campuses in Australia and South Africa to study the contemporary histories of post-genocide and post-conflict societies, through two specific cases: the South African approach after apartheid and local and global responses to the Rwandan genocide. Held in the winter semester as a two-week intensive, students will spend a week in Johannesburg and a week in Rwanda exploring public debates on memory and justice through visits to memorial sites and museums. Places to be explored include Soweto, the Apartheid Museum, Constitution Hill, the Murambi genocide memorial, and a Gacaca village trial.	['an understanding of the human impact of genocide and conflict on the communities that survive it', 'an understanding of the modern historical contexts in which these conflicts emerged', 'an appreciation of the issues and the agencies involved in rebuilding states and societies after genocide and conflict', 'the capacity to describe and analyse questions of memory and justice using historical examples', 'In addition, students undertaking this unit at fourth-year level will be expected to have the ability to analytically differentiate between the different forms genocide and conflict manifest themselves in.']

SWK3440	<p>This unit will introduce students to an understanding of leadership in the human services in Australia as a requirement for social work practice, one that is not always understood or accepted professionally. The human services sector is expanding in the numbers of its component organisations, both governmental and non-governmental, and in the size and complexity of the component parts. Leadership of social change and social justice in the human services is now at a premium, having been given little attention in the past or currently. Little is known of leadership requirements in this sector particularly as contrasted with other service sectors. Students undertaking this unit will be introduced to theories of leadership of human-service organisations, their programs and policies, and leadership of the new organisational phenomena in this sector, large community service departments, non-governmental consortia, and advocacy organisations. They will also be introduced to other notions of leadership in social work - leadership through research, advocacy and community action.</p>	<p>['Describe leadership within a professional social work framework through analysis of historical and current leadership examples from the human services sector.', 'Critically analyse theories of leadership for the human services in Australia.', 'Contrast leadership theories with selected leaders' experiences and identify and analyse the differences.', 'Articulate where leadership opportunities and responsibilities exist within the human services sector.', 'Identify the components of leadership in the human-services sector and the distinguishing features of leadership in the human services field.']</p>
MKF5926	<p>"You cannot not communicate." This statement is at the heart of why integrated marketing communications (IMC) plays such a critical role within an organisation. Drawing on theoretical and industry based perspectives, in this unit you will gain an understanding of how IMC allows organisations to connect with and influence their consumers to achieve specific marketing and promotional objectives. Along the way, you will also gain insight into the marketing communications industry (including advertising, digital and media) and how it interacts with society.</p>	<p>['use industry accepted and theoretically sound frameworks and processes to prepare an integrated marketing communications plan', 'construct realistic integrated marketing communication objectives and demonstrate the use of individual and integrated strategies to achieve these objectives', 'recommend and justify relevant strategies and tactics relating to marketing communications, message and media decisions', 'evaluate the influences affecting the efficient achievement of integrated marketing communication objectives including budget, resource allocation, project management and environmental pressures', 'assess broader marketing communication industry issues, offering insight and analysis based on research.']</p>
MGF5730	<p>The unit will provide students with key insights regarding how trade policy is formulated, negotiated and implemented; the economic, social and cultural implications of international trade rules; the pattern of relationships that exists between trade policy and prosperity; and the implications of the global financial crisis for international trade policy. The unit focuses on the GATT/WTO System and Bilateral and Regional Trade Agreements.</p>	<p>['assess the advantages and limitations of the multilateral trading system in terms of its decision making processes and its agreements (agriculture, services, intellectual property, etc.)', 'explain the recent surge of bilateralism and regionalism and assess the implications of this surge for the multilateral trading system', 'evaluate the opportunities and the limitations of formally linking human rights and environmental issues to the global trading system', 'judge whether the current global trading system treats trade liberalisation as a means to an end (the end being sustainable and equitable development) or an end in itself', 'evaluate the implications of the global financial crisis for the global trading system.']</p>

APG5102	The unit introduces students to public, private and not for profit institutions at international, national and local levels and how they impact upon the governance of communities in a range of international settings. The roles, relationships and networks of state and non-state institutions, and their influence on public policy, will be examined through the prism of international indicators and benchmarks of 'good' and 'bad' governance. The political, economic and regulatory dimensions of governance will be explored utilising contemporary issues in public policy.	['analyse and communicate concepts of governance and their application to issues affecting nations, international regions and the global community;', 'evaluate relationships between the public sector, the private sector and civil society and how these can be utilised to foster good governance outcomes;', 'create and develop governance strategies that reflect leadership capacity in cross-cultural competence, effective team engagement and ethical values.']
PGP5012	Applied Pharmacy Practice 2 is undertaken during the pharmacy internship year. This unit enables pharmacy graduates to build upon their knowledge and experience and to develop the competencies required for independent practice as a pharmacist. The unit explores the day-to-day practice of pharmacy including therapeutics, problem solving, evidence based practice, medication management, patient monitoring, adherence to medication, the application of professional pharmacy standards and competencies, the ethical and legal aspects of pharmacy practice, multidisciplinary approaches to health care, primary care, communication and counselling, health promotion, pharmaceutical calculations, extemporaneous dispensing, risk management and dealing with difficult situations in practice. In this unit, students will enhance their technical, clinical, personal and professional skills.	['Demonstrate a sound understanding of the legal, professional and ethical framework for pharmacy practice in Australia.', 'Demonstrate strong problem solving skills and apply professional judgement in a range of areas including prescription problems, therapeutic problems, and legal and ethical problems.', 'Apply evidence-based principles to the practice of pharmacy.', 'Promote and contribute to optimal use of medicines.', 'Provide primary health care, including: identifying symptoms, knowing when to refer patients for medical evaluation, and recommending appropriate non-prescription products.', 'Effectively communicate medication-related information to patients and other health professionals.', 'Solve simple and complex pharmaceutical calculations.', 'Understand the nature and importance of multi-disciplinary care.', 'Apply organisational skills and manage work issues and interpersonal relationships in pharmacy practice.']
AMU3859	The primary objective of the unit is to help students compile a collection of	['aware of the fundamental elements in various genres of writing\ncommonly associated with the work place, including writing a review, an\n\nargumentative piece, a speech, a publicity material, etc;', 'knowledgeable about the local publishing industry and the pros and cons\nof being a professional writer;', 'equipped with a portfolio accommodating a sample of their writings across\ngenres that they can use when applying for jobs upon graduation;', 'alert to writing fundamentals and editing issues through consistent peer-reviewing, and providing feedback to, each other with regards to their\ncomposition exercises.']

CHE6884	<p>The unit will cover the purpose and methods of modelling chemical and biochemical processes. It includes the development of constitutive relations, model building, evaluation and sensitivity analysis. Numerical techniques will include the solution of systems of linear, non-linear and algebraic equations. Models are subjected to optimisation.</p>	<p>['build models of chemical and biological processes which respect conservation laws, apply suitable constraints and constitutive relations and choose an appropriate solution algorithm', 'analyse complex models of chemical processes with an understanding of the mathematical structure of the model and the convergence methods used to obtain the model solution', 'apply the appropriate optimisation strategy for linear, non-linear, unconstrained, constrained and mixed integer models from a fundamental understanding of functional and constraint convexity, or can choose the appropriate evolutionary solution strategy when convexity is not assured', 'optimise both single objective and multi-objective process models to improve the process objective(s).']</p>
PAR1031	<p>This unit examines the current and evolving role of the paramedic and explores how prehospital medicine is practiced in Australia.</p>	<p>['Describe contemporary paramedic practice and identify how ambulance services operate within Australia', 'Recognise key hazards and challenges to wellbeing faced by paramedics, and implement essential self-care skills to ensure success in future practice', 'Identify and use professional language and behaviours appropriate for a paramedic practice', 'Define commonly used medical terminology', 'Describe models of communication and explain the barriers to effective communication and how these can impact patient care', 'Describe and discuss legal and ethical concepts pertaining to the delivery of paramedic care']</p>
BEX6510	<p>This unit provides a rigorous treatment of core methods of econometric estimation and inference in a single and also multiple equation settings. While students are encouraged to look at every problem from several views (informal, algebraic, geometric, etc.), a large emphasis is placed on constructing formal arguments, and the importance of clear notation, definitions, assumptions and deductive arguments is emphasised. Formal lectures and references to graduate level textbooks are provided, and students are also assigned and encouraged to read some classic journal articles. This unit is designed for PhD students who intend to write a thesis in econometrics or business statistics. It is not intended for PhD students in other disciplines who need to learn some quantitative techniques for the empirical section of their dissertations, although students from other departments who are interested in more advanced methods may wish to take this unit.</p>	<p>['ensure PhD candidates master the core elements of econometrics to be able to generalise and apply these principles to research questions', 'encourage and train PhD students to grind through complex scholarly journal articles and harvest the elements needed to conduct research', 'train PhD students in developing a habit of using clear notation and clear arguments in research work.']</p>

PHA3800	<p>Toxicology is the biological, chemical and pharmacological study of poisons. Students will be introduced to environmental, food, forensic, clinical and occupational toxicology. This unit presents the broad science of toxicology to facilitate the understanding of the principles and mechanisms of the action of poisons on specific organ systems. It examines the response of each body system to poisons and the specific effects of a wide range of toxic agents - from pesticides to radiation. In addition sources of toxins, toxicokinetics, toxicity testing and risk assessment are studied to enable students to understand how to predict and eliminate the potential risk of toxicity to humans and animals. The topics taught include general principles of toxicology, dispositions of toxicants, non-organ-directed toxicology, target organ toxicity, toxic agents, environmental toxicology and applications of toxicology.</p>	<p>['Demonstrate the basic principles of toxicology and the behavioural mechanisms of various toxicants targeting different organ systems.', 'Deduce the general pharmacokinetics, biotransformation and toxicokinetics of xenobiotics in whole organisms.', 'Critically evaluate the adverse effects of chemicals, metals, radioactive materials, and animal and plant toxins on living organisms.', 'Present the different stages of carcinogenesis and assess the effects of toxic agents on the alteration of genetic materials and growth development.', 'Demonstrate an appreciation towards environmental toxicology that includes air pollution and ecotoxicology.', 'Perform and critically evaluate risk assessments of general toxicants, and propose appropriate safety precautions.', 'Foster teamwork, perform good laboratory practice, and communicate research observations/ findings in the form of written reports and presentations.']</p>
NUR3009	<p>This unit addresses issues associated with transition to rural nursing practice and prepares students for the expanded generalist role that characterises rural nursing practice. Concerned with preparing students for a satisfying and sustainable rural nursing career, the unit requires students to explore opportunities for continuing education, professional affiliation and engagement and career advancement.</p>	<p>['develop a career path plan;', 'evaluate the contribution of leadership, management, teamwork and interdisciplinary collaboration in facilitating case management and optimal health outcomes;', 'evaluate a range of strategies to effectively manage challenging and critical incidents commonly associated with the Division 1RN role;', 'critically analyse the importance of professional affiliation and life-long learning in advancing health outcomes;', 'apply the principles of adult learning to identify your specific learning needs;', 'reflect critically on your own actions, professional role development and on the nature of nursing practice;'\n\nClinical Objectives:', 'apply problem solving and time management strategies to effectively organize clinical workloads;', 'manage clinical problems appropriately;', 'practise with increasing independence demonstrating AN&MC; competencies;', 'demonstrate safe evidence-based practice in the clinical setting.']</p>
FIT1006	<p>This unit is designed to give students an introduction to statistical and quantitative methods within a business-related framework and to provide students with a sound foundation for more advanced statistical and quantitative studies. The unit will provide opportunities for the student to gain skills in the presentation of business and economic data, the use of frequency distributions, measures of central tendency and dispersion, principles of probability, use of probability distributions, sampling theory, estimation, hypothesis testing, regression analysis, the use of indices and forecasting methods.</p>	<p>['perform basic statistical analysis by hand, using spread sheets and statistical software;', 'communicate the results of descriptive statistical analysis in written form using appropriate graphical displays where relevant;', 'analyse the predictability of statistical models taking measures of uncertainty (such as standard deviation and Pearson's correlation coefficient) into account;', 'critically analyse sample selection and sampling methods;', 'perform hypothesis tests for the mean and proportion;', 'identify sources of data such as that provided by the Australian Bureau of Statistics, as well as other public domain and private data, such as from market research and polling.']</p>

NUT5002	<p>This unit is predominantly a fieldwork experience that will challenge students to integrate their academic training and to synthesise knowledge into a practical public health nutrition project based in the community setting. The unit requires students to manage a project that addresses a public health nutrition issue. Students will participate in program planning within a work environment and provide tangible benefit to their participating organisation. Students will be responsible for designing a project, collection and analysis of data and synthesis of findings into a report. Principles of information evaluation, workload management, communication, teamwork and responsibility for project management will also be developed.</p>	<p>['Apply the social, environmental, economic and political determinants of nutrition status to a priority public health nutrition area.', 'Plan, implement and evaluate systems based, population health approaches and solutions to priority nutrition issues.', 'Apply the research process using appropriate methods of collection and analysis for both qualitative and quantitative data.', 'Contribute to an evidence-based, population approach to improve population nutrition health in a community setting.', 'Advocate for policy change to benefit health and nutrition outcomes for populations.', 'Employ critical and scientific writing and communication skills to document and report findings of project in professional and scientific fora.', 'Practice professional leadership to promote the role of nutrition.', 'Establish effective working partnerships, networks, collaborations with a range of team members and stakeholders.', 'Adopt a questioning and critical approach in all aspects of practice and evaluate practice on an on-going basis.']</p>
FIT5183	<p>This unit provides a high level coverage of mobile and distributed computing. It will focus on the underlying concepts and standards of mobile computing and current technologies for mobile and distributed systems. It will discuss cellular networks, wireless networks and their standards and technologies, context-aware computing, location-awareness, wireless sensor networks, internet mobility, web services and service-oriented technology, cloud computing and current research trends and case studies.</p>	<p>['identify and describe different approaches and methods for building distributed and mobile computing systems;', 'evaluate several models and approaches and select suitable mobile computing solution to a particular case;', 'propose and develop a mobile or distributed system that is appropriate to a problem domain;', 'identify the current research directions in the field and their impacts.']</p>
ACB3021	<p>Topics include the budget planning process including master budget preparation, budgeting standard costs and variance analysis, responsibility accounting, management by objectives and non-financial performance measurement, divisional performance, transfer pricing issues, program budgeting and other approaches, capital budgeting, strategic planning and control.</p>	<p>['apply traditional and contemporary performance measurement and control techniques to enable managers to measure and enhance organisational performance', 'analyse and make recommendations regarding the design of performance measurement and control systems', 'explain how behavioural implications are crucial for the effective design of performance measurement and control systems', 'apply critical thinking, problem solving and presentation skills to individual and/or group activities dealing with performance measurement and control and demonstrate in an individual summative assessment task the acquisition of a comprehensive understanding of the topics covered by ACB3021.']</p>

APG5189	Monitoring and evaluation is a key competency in international development practice, and has a wide range of applications in other cross-disciplinary sectors including public administration, the corporate sector and project management in the not-for-profit sector. Topics of study will include the history and nature of monitoring and evaluation, identifying standards and ethics of practice, examining key concepts, identifying and learning how to use key methods and tools, reporting, and understanding impact evaluation.	['understand the processes involved in monitoring and evaluation;', 'apply a range of tools, processes and practices commonly used to monitor and evaluate various projects and programs;', 'understand sound ethical principles that underpin monitoring and evaluation;', 'develop written and verbal skills to effectively communicate the results of the processes above.']
FOR5009	Developing and implementing adult sexual assault services must be founded upon evidence based clinical practice and an understanding of a variety of perspectives. Advanced Issues in Sexual Violence will provide insight into a variety of perspectives of adult sexual assault including local, national and international.	['Recommend actions related to victims of sexual violence in terms of counselling, policing and legal perspectives;', 'Assess sexual violence in a global context;', 'Evaluate issues relating to sexual assault medical service provision, considering theory, models and practice;', 'Identify issues in quality assurance in the provision of sexual assault services;', 'Apply medical and psychological skills in dealing with vicarious trauma prevention and management;', 'Interpret sexual violence research, key issues, data and sources.']
FST1911	An introduction to the principles and concepts of nutrition with emphasis on the digestion, absorption, key functions and food sources of carbohydrates, fats, proteins, minerals and vitamins that applicable to human. Various factors that influence food choices to meet nutrition needs of individuals are discussed. The concept of energy requirements and weight management will be discussed. Malaysian Dietary Guidelines are introduced.	['Demonstrate an understanding of the digestion and absorption of food and specified nutrients;', 'Display knowledge and understanding on key functions, food sources and requirements of specified nutrients;', 'Display knowledge and understanding on the concept of weight management in regards to energy intake and exercise.', 'Critically analyse personal dietary intake within the framework for Malaysian dietary guideline;', 'Demonstrate ability to collaborate effectively in the production of scientific report and presentations and communicate effectively in giving constructive feedback to peers.']
ATS1873	Introduction to the major traditions of international relations theory, including classical and structural realism, neoliberalism, British rationalism, cosmopolitanism, and Marxism. Critiques, especially those offered by critical theorists, poststructuralists, and feminists. Historical and contemporary events, developments and issues in international relations.	['Recognise, interpret and analyse traditional and critical theoretical perspectives, and conventional and alternative concepts in the study of International Relations across its four subfields (security studies, international political economy, foreign policy and global governance).', 'Comprehend and engage constructively with current affairs, scholarly articles and books in the field of International Relations, and place them in an appropriate theoretical and empirical context.', 'Apply these theoretical perspectives and concepts to illuminate and examine a new or existing problem in the study of International Relations', 'Communicate orally, and in writing, using clear and persuasive language appropriate for an international academic community.']

PBH2005	In this unit, students will develop knowledge and skills for public health and health promotion program design and implementation.	['Describe the steps in planning a preventive health program;', 'Identify data sources for needs assessment and community profiles;', 'Develop a needs assessment incorporating elements of community profiling as the basis of an evidence-based program plan;', 'Identify determinants of population health needs that can be changed by health promotion action;', 'Write SMART project goals and objectives that are clearly linked to health determinants;', 'Identify administrative and management issues that need to be addressed for successful program implementation.']
NUR3005	This unit focuses on multi-disciplinary care and models of care delivery with an emphasis on ageing, chronic and life limiting illness. With the evolving role of the nurse as primary care providers it introduces the student to the issues facing older people and will include healthy ageing, the ageing process, polypharmacy, lifestyle issues, advanced health assessment related to people with complex health needs and legal and ethical issues associated with aging, chronic illness and palliative care.	['discuss perspectives, and the physical, psychological and social aspects of ageing in the context of health and illness in older people in our community', 'describe the impact of ageing and chronic illness on clients, families and carers and apply this to discharge planning bridging the transition from acute care to primary care and palliative care', 'analyse the legal and ethical issues that arise from changes to cognition, chronic and life limiting illness such as challenges to autonomy, protection of patients, quality of life and euthanasia', 'differentiate the roles of nurses working in multidisciplinary teams, who care for people with chronic and/or life limiting illness in different health care environments', 'utilise holistic health assessment skills to assess the complex health needs of older adults and people with chronic and life limiting illness in relation to physical, psychosocial and spiritual needs', 'demonstrate and evaluate a range of evidenced based interventions that support the person experiencing complex care needs associated with living with a chronic illness', 'identify the primary care resources for people with issues related to ageing, chronic and life limiting illness in the community', 'utilise health promotion, supportive and palliative approaches to care for people with chronic and life limiting illness in a range of health care settings.']
ATS2215	Language: A review of Ukrainian grammar; development of conversation and composition skills using texts on contemporary themes	['Students who have completed this unit, will be expected to demonstrate a knowledge of Ukrainian grammar based on the prescribed materials', 'Students should have acquired an advanced vocabulary relating to selected subjects from everyday life', 'They should be able to read, write, speak and understand standard Ukrainian correctly at the level of non-technical communication', 'Students will be expected to have a knowledge of the main developments in modern Ukrainian history, literature and culture, of the representative works from the period, and of the major explanatory frameworks', 'They should have acquired basic skills in the analysis and interpretation of primary texts, events, and secondary literature.']

ADA5011	<p>This interdisciplinary studies unit will engage with complex contemporary challenges via project-based activities and problem-based learning. Students will apply knowledge, techniques and methodologies from their individual disciplines in collaboration with others' as they investigate a range of disciplinary perspectives and approaches relevant to the challenge at hand. Student cohorts may include any combination of art, design or architecture students as well as students from other disciplinary backgrounds. Developing the ability to critically and creatively engage with 'real world' problems through interdisciplinary approaches will be the core of learning in this unit. Students will develop skills in communication, collaboration and innovation, as well as reflective approaches that will focus on developing a clearer understanding of the personal perspective and skills each contributor brings to a shared challenge. Final outcomes from the unit may include collaborative or individual submissions.</p>	<p>['Understand a range of opportunities for discipline-specific practitioners in interdisciplinary contexts;', 'Apply collaboration, representation and communication skills for interdisciplinary engagement;', 'Conduct critical enquiry relevant to an identified issue, and analyse and evaluate findings;', 'Conceptualise, develop and present a creative response to a given interdisciplinary problem;', "Critically reflect on the students' own contributions to an interdisciplinary undertaking;"," 'Understand and apply the rules of occupational health and safety appropriate to the interdisciplinary study, in order to collaborate safely with peers.']</p>
ATS1305	<p>This introductory unit aims to acquaint students with basic principles of film studies, including film theory and history. Topics to be discussed include: film narrative and formal analysis, film sound and editing, film genre and authorship, art cinema and national cinemas, documentary and experimental film practice. Attention will be paid to recent theories of film including those which address the socio-political significance of the medium and the ways in which it may reinforce conceptions of social and sexual identity. Film texts for exploration include those from Australian, American, European and Asian cinemas.</p>	<p>['Acquired a sense of the scope of film studies.', 'Demonstrated an understanding of film form and various film genres.', 'Demonstrated an understanding of broad cultural and historical developments in film studies.', 'Developed skills in the analysis of film texts in relation to contemporary film theoretical debates.', 'Developed an ability to recognise and evaluate critical arguments.']</p>
BFW3540	<p>Topics include the development and application of financial spreadsheets, Excel and Visual Basic programming in financial modelling, modelling company financial statements, fixed income securities analysis, asset allocation and portfolio analysis, optimization using Solver, Interest rate models, option pricing models, numerical methods and risk management models.</p>	<p>['apply knowledge and skills in the use of Excel and Visual Basic', 'develop skills in the design and implementation of efficient and robust financial models such as option pricing, portfolio and interest rate models', 'apply critical thinking, problem solving and presentation skills to individual and/or group activities dealing with advanced modelling in finance and demonstrate in an individual summative assessment task the acquisition of a comprehensive understanding of the topics covered in BFW3540.']</p>

MAE3407	<p>This unit aims to develop an understanding of the analytical methodologies used in strength and stiffness assessment of aircraft structures. The unit will develop an understanding of the translation of aerodynamic and ground loading on aircraft wings and fuselage to the overall airframe. An understanding of the concept of structural idealisation and constraint will be developed along with real-world limitations. The principles of stressed skin construction will be considered in detail. The unit aims to develop an understanding of the analysis and design of structural problems common in the aerospace industry. It will provide students with the tools necessary to analyse aircraft structures.</p>	<p>['Describe the relevance of strength and stiffness aspects of aircraft structures and components, including stressed skin construction.', 'Select appropriate modelling tools and analytical methodologies to analyse structural aerospace problems.', 'Address the interaction between, often conflicting, requirements in the design of airframes i.e. aerodynamics, avionics and propulsion.', 'Interpret and translate real-world forces into abstract form for engineering modelling of airframes.', 'Manage the relationship between analytical methodologies and real-world aircraft design.', 'Design original solutions to new engineering problems in the aerospace industry.']</p>
LAW4219	<p>This unit introduces students to the legal and regulatory issues relating to transactions undertaken by companies and other institutions in order to borrow money or otherwise to raise funds. The unit is in three parts. In the first part, the basic building blocks of: the concepts of credit; how a company borrows money; and how it gives security to its lenders to secure payment, are all examined. The second part involves an examination of the various forms of borrowings, including syndicated financing and project finance. The third part deals with borrowing in the capital markets (that is, without involving a bank as a lender), both domestically in Australia and in other international markets. The unit deals with Australian law and also English and European law and US tax and regulation in so far as they affect Australian companies accessing the international markets. An understanding of common law contract law is assumed and some understanding of company law would be of benefit but is not required.</p>	<p>['Creatively apply knowledge and understanding of the basic principles of the law and the practice of corporate finance to new situations for further learning such as those that will be introduced and examined in both the class participation assessments and in the written assessments for the unit;', 'Investigate, analyse and synthesise complex information, problems, concepts and theories in relation to legal and commercial aspects of various forms of debt finance, including secured and unsecured transactions and other forms of raising debt, including the debt capital markets and solve questions;', 'Research the concept of the 'capital markets' particularly debt capital markets as a means of raising funds by Australian issuers in both the Australian domestic market and in the international capital market, based on knowledge of appropriate research principles and methods so as to be able to understand how these markets operate and to be able to assess critically the regulation of these markets;', 'Generate and evaluate at an abstract level complex ideas and concepts relevant to the international financial transactions.']</p>
ATS3540	<p>Documentary and Realism in Film and Television examines approaches to documentary film and television through addressing questions of realism, reality, truth, indexicality and the boundary between fiction and non-fiction. The theoretical and practical issues discussed in relation to film and television will provide a framework for the examination of a number of important phases in the historical development of documentary and realist codes. The unit will address different styles of documentary, such as direct cinema, autobiography, reality formats and digital documentary and their historical evolution, in addition to the contemporary landscape of documentary production.</p>	<p>['Identify and classify a range historical and contemporary documentary or realist codes in relation to different media such as cinema, television and digital media.', 'Evaluate film and television studies methodologies as they pertain to examples of non-fiction.', 'Apply film and television studies methodologies in order to compare and analyse different documentary or realist forms', 'Apply library resources and communicate an understanding of research methods in written and oral form.']</p>

MEC3010	This unit aims to develop an understanding of Micro and Nanotechnology methods and techniques in a cleanroom environment, the design of process chains and the applications of devices that are currently being manufactured using them.	['Describe different types of manufacturing and production systems for micro and nanotechnologies.', 'Generate simple layouts for micro and nano-masks fabrication.', 'Analyse different Micro and Nanotechnologies techniques.', 'Design the process flow for the manufacturing of a micro and nanodevice in a cleanroom and construct it.', 'Analyse the operation of micro and nanodevices.']
ATS1900	This unit is the second of a sequence of four units that integrates the development of aural skills with the theoretical understanding of music through listening, analysis, performance, notation and composition. It expands on the skills and knowledge developed in ATS1899 Music theory and ear training 1 through the study and practical application of fundamental theoretical concepts in either the Western art music or jazz tradition. Areas of study include identifying and understanding chords and their function, voice leading, melody harmonisation and phrase structure.	['Understand diatonic concepts of melody and harmony;', 'Analyse musical elements including functional harmony;', 'Recognise aurally elements of diatonic harmony and rhythm.']
MPH5308	This unit aims to develop skills to describe and analyse health systems and assess health sector reforms (or health system reforms) in both developed and developing countries, including Australia. The unit introduces participants to alternative conceptual frameworks for describing and analysing health systems, and focuses in particular on one - "the control knobs framework" - which describes the key levers of a health system and how these levers work to influence outcomes of interest such as equity, cost, financial risk protection and quality of care. The control knobs framework is used to describe and analyse health system outcomes in developed and developing countries (including Australia); diagnose existing policy reform challenges; shed light on ongoing health policy debates; and assess a recent case of reform in the health sector.	['Comprehend a systematic theoretical framework for describing the design of a national health system.', 'Identify issues and challenges in the design of national health systems.', 'Critically appraise research and reports associated with health system development and reform.', 'Create proposals to respond to issues and challenges faced by national health systems.', 'Effectively communicate issues and challenges associated with reforming and developing health systems to specialist and non-specialist audiences.']
ASP4001	Students undertake a project, involving original research in one of the School's research themes, which encompass a diverse range of "cutting-edge" topics, including: active galaxies, astrophysical fluid dynamics and magneto-hydrodynamics, galaxy evolution, first stars, the formation of stars, stellar evolution, stellar nucleosynthesis, nuclear astrophysics, chemical evolution, galactic archaeology, supernovae and supernovae remnants, neutron stars, stellar transients, supermassive black holes, high energy astrophysics, gravitational wave astronomy, stellar and planetary dynamics and exoplanets. A full list of projects will be made available to students prior to commencing their MSc program.	['Understand, use and explain the basic concepts and principles of the research literature which underpin the chosen area of astrophysics research.', 'Synthesise and interpret the knowledge gained in the study of the underpinning research literature. This leads to the ability to identify a niche topic or topics within this existing body of literature, which represents a gap in current knowledge. This problem should be suitable for original research.', 'Advance our understanding of an existing problem or problems in the chosen area for original research.', 'Present the results of the original research in written form of an interim report, and also present key results in oral form as an interim seminar.']

MDC5320	<p>This unit is the capstone studio to the Multimedia Design specialisation within the Master of Design. Students are required to develop a self-initiated major studio project that demonstrates an advanced-level application of multimedia design. The project will serve as a vehicle providing students with a means to undertake creative decision-making; apply their design, media and technical capabilities; and exercise a professional understanding of multimedia design practice. Preliminary research and project development will be undertaken in consultation with the studio supervisor.</p>	<p>['Apply independent research, problem-solving methodologies and advanced technical skills to plan and manage complex multimedia design solutions from initial concept to final resolution;', 'Demonstrate an advanced level of proficiency in the design and production of a multimedia product;', 'Communicate ideas and concepts to critically reflect, evaluate and justify their own multimedia design project;', 'Demonstrate an extensive understanding of the multimedia design discipline and its professional practices, within the scope of a specified multimedia design project;', 'Proficiently present multimedia design concepts in a logical and informed manner that has relevancy to a specified target audience, and;', 'Understand and apply the rules of occupational health and safety appropriate to the discipline practice.']</p>
MGF5370	<p>This unit assists students to understand the theory and practice of policy analysis, the role of evidence in decision making and how policy analysis contributes to better policy outcomes.</p>	<p>['explain different theories and methods of policy analysis', 'apply theories and methods of analysis to policy issues', 'design strategies to address policy issues.']</p>
ATS1229	<p>This unit aims to provide a basic foundation in the basic language skills: listening, speaking, reading and writing Italian, and a brief introduction to contemporary Italian social and political history and culture. It is specifically designed for those students who have little or no knowledge of the language.</p>	<p>['understand, speak and write basic Italian with reference to present, past and future events in a range of everyday situations', 'read elementary but authentic Italian texts', 'understand basic structural aspects of Italian', 'have an enhanced understanding of language learning and communication strategies, and', 'understand key aspects of contemporary Italian culture and society.']</p>
BTH2732	<p>In order to carry out any DNA manipulation a large variety of enzymes and specialised techniques are used. This unit will provide the opportunity to gain an understanding of the nature and use of the "tools of the trade" applied routinely by molecular biologists. This includes the management of biological databases. A wide variety of applications will be explored, ranging from human disease situations to genetic modification of crop species.</p>	<p>['Discuss basic principles of recombinant DNA technology;', 'Select and apply practical techniques to achieve a range of experimental outcomes in molecular biology;', 'Give examples of the applications of recombinant DNA technology in medical and industrial settings;', 'Describe the use of biological databases for data storage;', 'Demonstrate skill in data mining;', 'Present, analyse and interpret experimental data.']</p>
APG5049	<p>This unit consists of two components:</p>	<p>['the basic techniques of interpreting in a dialogue mode and of providing consecutive interpreting of speeches;', 'all the skills of analytic reading and listening, memorization, note-taking, and they should be able to apply them to the different modes of interpreting;', 'an understanding of ethics of the profession and of their appreciation in various interpreting situations;', 'a socio-cultural knowledge for the various domains of interpreting in Australia;', 'an appreciation of the history of the interpreting profession, in Australia and worldwide.']</p>

MKF2121	The process of marketing research. Role of research in the marketing decision process. Developing key outputs -- brief, proposal, report. Planning and managing a research project. Qualitative and quantitative research techniques. Statistical analysis, marketing interpretation and reporting.	[provide a working knowledge of key concepts and methods used in marketing research', 'develop a capability in formulating a theoretical framework for a marketing problem/opportunity', 'provide an understanding of how to formulate a research design', 'develop an ability to apply SPSS statistical software', 'develop an ability to interpret statistical output from a marketing perspective.']
PGW5204	This unit will examine the management of the person with an acute, chronic or atypical wound. Acute wounds may range from simple lacerations to more complex surgical wounds while chronic wounds are those where healing has been delayed. Chronic wounds may include venous leg ulcers, arterial and mixed arterial-venous ulcers, diabetes-related foot ulcers and pressure injuries while atypical wounds may include inflammatory ulcers and less common aetiologies such as pyoderma gangrenosum and neoplastic ulcerations.	[Contrast and compare similarities and differences between acute and chronic wound healing.', 'Identify evidence-based measures for surgical wound management including dressings, techniques, topical treatments and care of sutures, staples and tissue adhesives.', 'Evaluate the appropriate use of antiseptics, disinfectants and antimicrobial agents in the management of wound infection.', 'Appraise management approaches for chronic wounds such as venous and arterial leg ulcers, diabetic foot ulcers and pressure injuries.', 'Identify barriers to the appropriate use of compression bandaging and hosiery and propose interventions to overcome them.', 'Analyse the psychosocial impact of a chronic wound on the individual's quality of life.', 'Describe assessment and management strategies for patients with atypical wounds.', 'Communicate effectively with patients to improve concordance with wound care management plans for acute, chronic and atypical wounds.']
ATS2380	The unit examines migrations of people across the globe as a potent force in the making of the modern world, with a focus on Australia since the mid-eighteenth century to the present day. The movement of people is considered in the context of major transformations in criminal codes, government legislation, labor force requirements, resources booms, and the disruptions of revolution, war and armed conflict. Groups to be studied include convicts, assisted immigrants, indentured labourers, gold-seekers, displaced persons, refugees and asylum seekers. The efforts of governments to shape their populations, through mechanisms such as transportation, the regulation and restriction of migration, deportation, internment and border control will also be studied.	[identify and explain the major forces that have shaped the movement of people across the globe to Australia since the mid-eighteenth century;', 'distinguish between transportees, indentured labourers, slaves, assisted migrants, displaced persons, refugees and asylum seekers;', 'analyse the migration patterns and developments that have influenced the shifting demography of Australia through problem based learning research projects;', 'develop oral and written communication skills in constructing evidence-based arguments using a variety of primary and secondary sources', 'reflect critically on what they have learnt.']

ATS3191	<p>The Media Analytics Lab is a multi-disciplinary learning environment where students from the different specialisations in the Bachelor of Media Communication come together to explore new concepts, skills and practices in media analytics such as infographics, data journalism, data mining, digital ethnography, and audience research. Students will devise an analytics research project that can test the capabilities of new technologies and explore applications. The lab fosters creativity and experimentation in media production while also developing professional skills in collaboration and adaptability.</p>	<p>['identify and discuss the communicative and creative role of media analytics in contemporary media environments and business contexts;', 'display proficiency in a variety of media analytical skills and practices;', 'work reflectively, independently and collaboratively with peers to conceptualise and design a media analytics project;', 'apply skills to a media production/project that critically reflects on the evolving technologies and practices of media analytics.']</p>
AZA3806	<p>This unit undertakes a rigorous exploration of the research and reporting practices for business, industrial and economic reporting. It examines key documentary sources, geographical locations, personalities and institutions, and contemporary issues in this field particularly as they apply to South Africa and Africa. It places contemporary issues in their broader historical and geographical contexts, while critically analysing the professional and social implications of reporting in this specialized field. Access to certain technology/equipment will be required for this unit.</p>	<p>['demonstrate an ability to identify and critically research a business/industrial/economic story, conduct interviews and gather appropriate evidentiary material;', 'demonstrate an ability to report on business, industrial, economic issues in a clear, concise, factual manner using several elements in a coherent package;', 'identify, observe and evaluate key ethical and legal obligations associated with business /industrial/ economic journalism. Demonstrate the capacity to work independently and in a group. Demonstrate the capacity to work collaboratively in learning and production processes, including online forums, to produce business/industrial/economic stories;', 'demonstrate an ability to meet deadlines, demonstrate an awareness of relevant local and national events in an African context;', 'Identify events relevant to current issues and media issues;', 'demonstrate a critical awareness of the capacities, limitations and socio-professional implications of reporting practices in the field of business, industry and economics, in South Africa, Africa and internationally.']</p>
FOR5012	<p>Paediatric forensic medicine encompasses the medico-legal issues arising from the provision of a medical service to children.</p>	<p>['Evaluate the role of health practitioners in assessing cases of suspected child sexual abuse;', 'Identify and explain sexual development and behaviour in children at different developmental stages;', 'Analyse the ethical and legal issues relevant to cases of suspected child sexual abuse;', 'Assess and compare normal genital anatomy and physiology, and interpret abnormal genital findings and pathological conditions;', 'Apply medical and forensic principles to the evaluation, treatment and prevention of cases of suspected child sexual abuse;', 'Distinguish how protective workers, lawyers and police contribute to the investigation of child sexual abuse;', 'Recognise and assess the medical and legal implications of a sexually transmitted infection in a child.']</p>

PBH2003	This unit will explore how individual and population experiences of health are shaped by culture and society.	['Apply key principles of sociological and anthropological thought to the lived experience of individuals and populations', 'Apply the themes associated with the sociological imagination to examine the social production, construction and organisation of health locally and globally', 'Apply sociological theories as analytical tools to critically examine cultural, social, political and economic factors influencing health', 'Critically examine and evaluate aspects of culture and society with which they are familiar (as well as historical representations) in order to extend their understanding of the socio-cultural structures, institutions and processes relevant to health globally.']
NUR3022	This clinical practice unit introduces students to the nursing management of patients with complex and/or life threatening problems across the lifespan.	['Apply knowledge and concepts of biological, pathophysiological, psychological and social sciences to patients with complex and/or life threatening illness throughout the life span.', 'Acquire in-depth knowledge on complex health problems experienced by patients throughout the lifespan in a range of settings.', 'Identify and implement response systems for the deteriorating patient in the clinical setting.', 'Explain appropriate therapeutic medications in the context of drug actions, indications, dosage, interactions and reactions in the patient with complex and/or life threatening illness.', 'Identify, analyse and resolve clinical concerns in the patient with complex and/or life threatening illness.', 'Develop and implement patient centred care appropriate to the needs and wishes of the patient and their family/carer, regardless of race, age, gender, sexual preference, physical or mental state or other diverse needs.', 'Critically reflect on the values, attitudes and communication required by nurses when caring for patients and families/carers with diverse needs; complex and/or life threatening illness or the deteriorating patient.', 'Undertake complex nursing activities in a range of health settings and apply appropriate principles of prioritising and time management according to the clinical setting.', 'Critically reflect on decisions and judgements made to demonstrate accountability for evidence informed patient care.', 'Practice with increasing independence in accordance with the Australian and Midwifery Council National competency standards for the registered nurse, Codes of ethics and Code of professional conduct for nurses.']

APG5046	<p>Language is infinitely creative, yet governed by a set of rules that speakers learn consciously and subconsciously. This unit focuses on making our implicit knowledge about language more explicit. It does this through the two-pronged approach of introducing terminology and notation systems for talking about language structures, and applying this knowledge to real-world language problems. Through a focus on phonetics and phonology (the sounds of speech) and morpho-syntax ('grammar') the unit gives students deeper insight into the workings of English, while also introducing data from a range of other languages for the purposes of comparison. Students also reflect on how utterances are given meaning (semantics and pragmatics) and the importance of contextual factors in determining whether an utterance is grammatically correct or appropriate.</p>	<p>['describe the fundamental concepts and tools of analysis used in linguistics and applied linguistics;', 'utilise linguistic analysis techniques to interpret a range of data sets;', 'explain and appropriately use discipline-specific technical terms and notation conventions introduced in the unit;', 'apply linguistic insights to everyday experience.']</p>
DEV3990	<p>This unit provides the opportunity for high achieving students to work with an academic supervisor and complete a research project in Developmental Biology. The research project may be chosen from a list of projects available at the beginning of the semester from the Department of Anatomy and Developmental Biology. Students will work in a research laboratory to obtain data, will complete a final report and will give a series of oral presentations on their work.</p>	<p>['Undertake a research project with regard to ethical and safety regulations;', 'Demonstrate technical skills in experimental methods and the ability to collect, analyse and interpret data using methods relevant to the discipline of Anatomy and Developmental biology;', 'Communicate appropriately and effectively with supervisors, laboratory staff and students;', 'Maintain accurate and up-to-date records of experimental procedures, results and outcomes;', 'Identify relevant published scientific literature and critically analyse and evaluate the content in the context of the discipline Anatomy and Developmental biology;', 'Construct written reports.']</p>
FIT2090	<p>Globalisation and increasing customer demands are challenges facing companies today. To remain competitive and effective in their offerings, companies cannot afford to harbour inefficiencies in their operations. A business process oriented approach is key to the success of modern organisations. A well-designed process will improve efficiency and deliver greater productivity. At the same time, business processes must be designed to ensure that they are effective and meet customer requirements. The internal processes of a business organisation are described with an emphasis on how they work together to achieve the goals of the organisation. A range of process modelling tools is presented in the unit.</p>	<p>['describe the role of business processes of a typical organisation;', 'select an appropriate process design and modelling methodology to create a business process model;', 'document and communicate a business process model for business process improvements;', 'analyse factors relating to managing small to medium sized projects for in-house development or software outsourcing;', 'discuss ethical issues related to the management and use of business information systems.']</p>
TRC4802	<p>This unit provides the discipline basis for applications in energy, power and motive force where fluids are involved. It also provides a basic level of knowledge and problem solving capability in heat transfer. These disciplines are central to mechanical engineering and, as a consequence, are essential knowledge for mechatronic engineers whose designs usually have mechanical elements.</p>	<p>['Calculate hydrodynamic forces on/in static fluids or those in rigid body motion.', 'Analyse thermodynamic systems using concepts of thermo-fluid properties, systems and control volumes.', 'Analyse performance and characteristic of thermodynamic processes and cycles.', 'Calculate heat transfer rate for different systems (conduction, convection and radiation).', 'Calculate forces in moving fluids (internal & external flow).']</p>

OCC2012	<p>This unit builds on foundation anatomy and physiology units BMA1901 and BMA1902 and aims to provide students with an understanding of functional anatomy and pathophysiology to inform the practice of Occupational Therapy.</p>	<p>['Describe the musculoskeletal anatomy related to movement and apply anatomical principles to determine function and common pathology', 'Explain the functions and structure of the nervous system in relation to cognition, affect, memory formation and motor control.', 'Discuss the pathophysiology and clinical consequences of stroke and traumatic brain, spinal and nerve injury;', 'Evaluate the basic neurochemistry, use and action of different classes of psychoactive drugs and explain the potential issues relating to occupational therapy.', 'Explain the mechanisms and consequences of mental/psychosocial, physical and social capacities of humans across the lifespan.', 'Evaluate body functions, body structures and related clinical conditions and the applications to occupational performance challenges for clients of occupational therapy.']</p>
RAD5108	<p>This unit aims to build on the health practitioner's clinical expertise and professional experience and complement their existing knowledge about the features of x-ray images in the field of emergency image interpretation of the shoulder girdle, upper limbs and the cervical spine.</p>	<p>['Relate mechanisms of injury and the clinical signs or symptoms of injury with the abnormal x-ray appearances of the shoulder girdle, upper limbs and the cervical spine.', 'Apply a systematic and logical approach to the radiographic evaluation of bones, soft tissues and joints of the shoulder girdle, upper limbs and the cervical spine.', 'Identify and evaluate x-ray images related to trauma, sport injuries, and arthritic conditions affecting the shoulder girdle, upper limbs and the cervical spine of adult and paediatric patients.', 'Apply knowledge of sensitivity, specificity, accuracy and search error in the interpretation of x-ray images of the shoulder girdle, upper limbs and the cervical spine of adult and paediatric patients.', 'Describe the major features of x-ray images related to trauma, sport injuries, and arthritic conditions affecting the shoulder girdle, upper limbs and the cervical spine of adult and paediatric patients.', 'Communicate using appropriate terminology the presence of x-ray appearances affecting the shoulder girdle, upper limbs and the cervical spine to other members of the health care team.']</p>
APG5042	<p>This unit introduces students to the practical aspects of teaching World Englishes in a variety of multilingual, intra/international contexts. It covers diverse topics that equip students with knowledge and skills to teach World Englishes. Topics range from instructional language in a World-Englishes lesson to curriculum development for World-Englishes courses, and from intercultural pedagogy to assessing multidialectal and intercultural competencies. Students are provided with the opportunity to observe the practices of teaching World Englishes, to develop their own World-Englishes curriculum, to practise teaching World Englishes, and to engage in critical reflections and evaluations of their own practices.</p>	<p>['demonstrate advanced understanding of the practical aspects of teaching World Englishes in a variety of international contexts;', 'exhibit the skills to teach World Englishes in a variety of international contexts;', 'develop a learning curriculum and syllabus for teaching Englishes for multidialectal/international communication;', 'critically engage in evaluating practices of teaching World Englishes;', 'Profile pedagogical ideas that are informed by the latest literature on teaching Englishes for multidialectal/international communication.']</p>

ATS3007	This unit will introduce students to a range of texts of different genres in contemporary Chinese. Students' ability to understand contemporary China and their skills of speaking, listening and writing will be further developed through reading, translation practice, essay-writing and other activities.	['General knowledge that will enhance their understanding of contemporary Chinese culture and society.', 'The ability to comprehend and express complex ideas in both spoken and written forms, consolidating skills already acquired in Chinese proficient.', 'Strategies of cross-cultural conceptualisation, incorporating translation skills, crucial to critical thinking on a range of cultural and social topics concerning contemporary China.']
TRC4002	This unit provides an introduction to aspects of management relevant to the needs of the professional mechatronics engineer. Students will be introduced to a range of topics including the role of a manager, organizations, financial management, marketing and planning, legal issues and professional ethics.	['Describe the skills, roles, styles and techniques of an engineering manager in the context of an organisation.', 'Assess different project management techniques.', 'Apply accounting principles to analyse basic financial statements that enhance business decision making.', 'Describe the basic marketing principles and techniques of strategic business planning.', 'Analyse important legal aspects of contract, negligence, and intellectual property.', 'Describe the elements of professional behaviour and the engineering code of ethics.']
EAE3581	Geochemistry concerns itself with the distribution and mobility of elements within the earth and its atmosphere. Over the past decades it has evolved from a descriptive science to one being increasingly concerned with the (molecular-level) mechanisms behind the observations. This unit provides an overview of the fundamental chemical principles that control geochemical processes, and shows how this knowledge can be used to understand, predict, and manage applied geochemical problems, including mineral exploration and geometallurgy; radioactive waste disposal; applied mineralogy and environmental remediation.	['Apply fundamental chemical principles to understand the distribution and mobility of elements in Earth systems.', 'Discuss the key physical and chemical parameters that control element mobility in a given geochemical system.', 'Understand the different analytical tools that can be used to study geochemical systems and the information they deliver.', 'Develop an understanding of key geochemical questions.', 'Apply the knowledge to understand and predict the evolution of natural and engineered geochemical systems.']
BEX5006	This unit is designed to provide students with the opportunity to put theory into practice in a business environment.	['compare and contrast theory and practice', 'apply theory to practice in a supervised environment', 'evaluate personal learning and personal development in a complex business environment', 'analyse complex business problems and to prepare and present innovative solutions.']
FIT5139	Modern computer systems contain parallelism in both hardware and software. This unit covers parallelism in both general purpose and application specific computer architectures and the programming paradigms that allow parallelism to be exploited in software. This unit examines both shared memory and message passing paradigms in both hardware and software; concurrency, multithreading and synchronicity; parallel, clustered and distributed supercomputing models and languages. Students will program in these paradigms. This unit draws on units in distributed databases and grid computing. It will also cover the technology and application of cloud computing with particular reference to programming frameworks (e.g. MapReduce, Hadoop etc).	['solve basic problems in distributed computing, especially in relation to synchronisation, distributed transactions, concurrency control, distributed consensus;', 'explain the differences between various distributed computing models and widely used distributed computing schemes;', 'describe a variety of parallel programming paradigms, synchronisation and parallelisation primitives, message passing, data parallel, tuple space;', 'identify computational tasks that benefit from parallelism;', 'design and implement a parallel-distributed software system.']

IAR4118	Projects are student-generated and complex, usually addressing specialised commercial contexts. Building construction, detailing, and specifications are researched and documentation of these aspects is required as part of the project requirements. Students undertake detailed design development stemming from their earlier research studies in specific contemporary discourses and practices pertaining to their project. Students develop a fully professional resolution of all technical, philosophical and aesthetic aspects of their individual projects.	['Demonstrate understanding of a specialist application of interior architecture, with particular reference to relevant contemporary interior, environmental and architectural design and discourse; and the complexity of human needs that this interior architecture application addresses;', 'Competently articulate the personal aesthetic, cultural and social position represented by their design solution, in its technical resolution and detail;', 'Demonstrate application of this research-based understanding and capability in the development of a fully resolved specialist set of interior architecture designs that resolve to a high degree all project factors;', 'Be able to communicate resolution of the project with high quality presentations and professional level technical documentation;', 'Self-manage the scheduling of project work;', 'Identify, understand and be capable applying the pertinent building technologies, specifications, and documentation techniques;', 'Observe and employ occupational health and safety principles and rules appropriate to studio practice.']
ATS2064	This unit involves students in teaching and learning activities, developing language skills and cultural competence. Students participate in learning activities involving a variety of theme-based activities, developing more sophisticated speaking, writing and reading and aural comprehension skills; acquiring explicit grammar competence and awareness of discourse, register and gaining insight into the socio-cultural specificity of contemporary France. In the Specialized Culture Component students will explore an aspect of French culture and society and develop expertise appropriate to their year level in the theory, practices and discourses that continue to shape French culture.	['speak, listen, read and write in French to communicate effectively in a wide range of situations and on a wide range of themes;', 'use written language skills in a range of formal and/or informal text types;', 'locate, paraphrase, explain and evaluate information in short texts in French;', 'recognise and use prescribed grammatical items;', 'critique aspects of the evolution of contemporary French history, culture and identity;', 'interpret self-selected sources to synthesise knowledge into an appropriate format.']
ATS2329	Students in this unit will become part of a team applying digital humanities trans-disciplinary skills and resources to an original research problem. Throughout semester, they will collaborate with one another and academic staff to engage meaningfully with a research project, further developing their digital humanities research skills and gaining valuable practical experience of working as part of a team. Under the leadership of an experienced researcher, they will play an active role in generating new knowledge by employing digital humanities methods. The unit introduces students to the skills needed to design and execute future self-directed projects.	['develop and enact research practise to engage with an established or directed project;', 'apply discipline knowledge and interdisciplinary "know-how" to achieve specified outcomes;', 'exercise creative, design thinking and critically informed judgment to identify and apply solutions to problems;', 'adopt applicable processes, methods and an open attitude towards inquiry and experimentation;', 'utilise technical, communication and professional skills in conducting and reporting on the research project;', 'contribute to a project with a degree of independence, originality, accountability and collaboration with other parties and stakeholders;', 'identify and apply the occupational health and safety requirements appropriate to the discipline practice.']

ATS2640	When, if ever, is warfare justified? What about humanitarian intervention? What about violent revolution and terrorism? Why should civilians be protected in conflict? This unit will introduce students to theoretical approaches to the ethics of conflict that will allow them to answer these difficult questions. It will also serve to introduce students to basic ideas in moral and political philosophy. No background in philosophy is required: merely an interest in rational argument applied to global conflict.	['have a high level of understanding of the central ideas of just war theory', 'appreciate a wide variety of criticisms of just war theory', 'understand the connections between human rights and war', 'have developed the ability to apply theories of justice in conflict to actual cases from recent history', 'be able to develop and critically assess arguments about the justification of violence in the pursuit of political ends', 'have improved their ability to effectively communicate about complex issues in international affairs', 'have developed their ability to conduct independent research on topics of international justice.']
ASP4100	Students are required to complete a research project involving original work on a topic chosen in consultation with their academic supervisor.	['Understand, use and explain the basic concepts and principles of the research literature which underpins the chosen area of astrophysics research.', 'Synthesise and interpret their knowledge gained in their study of the underpinning research literature, hence identifying a niche topic or topics within this existing body of literature, which represents a gap in knowledge suitable for original research.', 'Solve a complex and outstanding problem or problems in the chosen area for original research.', 'Present the results of their original research in both written form as a thesis, and present their key thesis results in oral form as a final seminar;', 'Defend the results of their original research in an oral exam.']
DIS4604	This unit provides students exposure to the concepts and tools applicable to digital and audio production techniques. The unit offers students an opportunity to explore the potential of digital video and audio as a medium for inclusion in a wide range of communications and multimedia applications. Scripting, shooting video, sound recording and other production methods are demonstrated.	['Understand digital video and audio concepts;', 'Be able to plan, acquire and digitise a video source;', 'Be able to trim and edit a video source;', 'Be able to plan and manage an audio recording session;', 'Acquire and incorporate audio and music tracks within a video source;', 'Assemble and output a complete digital audio/video production;', 'Understand the various applications of digital audio/video in multimedia;', 'Have knowledge of the various tools and techniques used for digital video effects and sound composition.']
ATS4699	The unit explores a range of criminal justice institutions and organisations along with the nexus between research and policy. A diverse range of community organisations interact with various criminal justice institutions and seek to reform and improve access to justice and substantive justice for offenders and/or victims. These organisations typically engage with policy issues and undertake and utilise research to inform their work and to create pressure for change. The unit engages with criminal justice organisations and institutions in order to critically examine the policy environment and the potential of research to impact on criminal justice.	['Critically examine contemporary criminal justice practice and research in relation to new frameworks and directions in criminal justice.', 'Orally present an account of a research thesis on a criminal justice topic.', 'Demonstrate a critical understanding of contemporary criminal justice research on policy development.', 'Produce critical written accounts of contemporary criminal justice practice and research.']

PBH1102	In this unit, students will be introduced to theory and practice to assist with constructing and communicating public health information to various audiences from individuals to larger groups and the general public.	['Distinguish different approaches to health communication.', 'Define theoretical models of communication, social change and marketing in relation to health and their application in approaches to health promotion.', 'Demonstrate oral and written presentation skills for a range of professional and lay audiences including low literate audiences.', 'Identify key stages in designing a communication campaign and apply them to a selected health issue.', 'Examine the role of the media in the construction of health issues.', 'Evaluate the communication strategies adopted by a range of local and international health communication examples as well as a range of health communication materials (print-based, electronic and web-based).']
TAD4503	This unit aims to help students develop their knowledge and understanding of various key theoretical writers and concepts relevant to advanced studies in contemporary art. Prevailing critical theories and terms are outlined in order to open up research venues considered particularly productive for the art researcher's own personal directions. The unit is designed as a training for independent research and encourages students to investigate a wide range of ideas circulating in contemporary visual culture.	['Be aware of current discourses in a range of disciplines which bear on contemporary artistic production;', 'Be able to pursue critical arguments with a sense of their ideological relativity;', 'Assess the bias of an investigative method, considering gender, class and ethnicity;', 'Understand methodology as a critique of method and be able to practice criticism in their chosen field;', 'Identify assumptions inherent in the formulation of critical questions and cultivate caution against prejudicing the outcomes of research by foreclosing on the terms of inquiry;', 'Be ready to explain the basis of art works not merely as the outcome of practical constraints but the expression of cultural values.']

NUR5003	This unit builds upon NUR5002 Contemporary Nursing Practice 2.	<p>[‘Analyse the concepts of mental health and mental illness with reference to historical and contemporary classification systems.’, ‘Explain the implications of the Victorian Mental Health Act (2014) for nursing practice in line with recovery oriented practice.’, ‘Communicate effectively with people who are experiencing disturbances of thoughts, feelings and behaviour and accurately conduct a mental status assessment and a risk assessment to help inform patient care.’, ‘Critically analyse the roles and functions of the members of the multidisciplinary mental health team and how the roles work to ensure patients are treated appropriately.’, ‘Evaluate a range of mental disorders in the context of aetiological factors, epidemiology, and clinical manifestations and recommend appropriate mental health nursing care.’, ‘Compare and contrast a range of psychotherapeutic interventions and therapeutic modalities utilised in mental health treatment and care.’, ‘Explore the impact of ageing and chronic and life-limiting illness on clients, families and carers including the perspectives of challenges to autonomy, protection of patients, and quality of life in order to provide optimal, holistic nursing care.’, ‘Discriminate between health assessment, health promotion, supportive and palliative approaches for people with chronic and life limiting illness to provide appropriate evidence based nursing interventions.’, ‘Critically examine how the different roles of members in interprofessional teams, work together to provide expert care for people with chronic and/or life limiting illness in different health care environments.’, ‘Practice at a beginning level in mental health and community health settings in accordance with NMBA Registered Nurse standards for practice and other professional standards’]</p>
FIT5163	<p>The unit aims to provide the students with in depth knowledge of techniques required to deal with security problems in information systems. The main areas of study include symmetric and asymmetric encryption techniques, cryptographic hash functions with related topics of message authentication codes and digital signatures. Study of techniques and algorithms for providing mutual trust include key management and distribution and user authentication to establish trust in the identity of communicating partner are also included. It looks at various management issues, including use and abuse of encryption, distributed systems authentication and integrity management. A range of security applications are used as examples. Students will learn how to apply cryptographic techniques in practice.</p>	<p>[“critically assess threats, vulnerabilities and risks to an organisation's information assets, and propose control technologies and techniques which can be applied to reduce the security risk;”, ‘apply a variety of cryptographic algorithms to develop methods to disguise information to ensure its integrity, confidentiality and authenticity;’, ‘apply a variety of methods for key management and distribution and analyse the risks associated with the various approaches;’, ‘implement user authentication and access control mechanisms to create a security architecture to protect the assets of the information system;’, ‘implement cryptographic techniques to preserve the security of information and evaluate its effectiveness;’, ‘apply a variety of security control technologies to IT systems in an organisation.’]</p>

FIT3003	Automation and the use of technological tools have resulted in the accumulation of vast volumes of data by modern business organisations. Data warehouses have been set up as repositories to store this data and improved techniques now result in the speedy collection and integration of such data. OLAP technology has resulted in the faster generation of reports and more flexible analysis based on the data repositories. This unit will explore the concepts of data warehousing and OLAP, covering the data processing technological requirements for data warehousing and OLAP and will provide hands on experience on designing data warehousing and OLAP systems.	['design multi-dimensional databases and data warehouses;', 'use fact and dimensional modelling;', 'implement online analytical processing (OLAP) queries;', 'explain query optimisation and its impact on multi-dimensional design;', 'create business intelligence reports using data warehouses and OLAP.']
DGN2003	This unit develops practical design research, investigation, conceptual development, communication, presentation and practice capabilities. The focus is on design research and design management of multi and inter disciplinary projects, in which a range of design factors are considered and methodologies employed to coordinate their analysis and to achieve a holistic design integration that addresses human needs. Projects will be set in a variety of contexts.	['Undertake a design project at a conceptual level involving the resolution of user requirements, technical issues, aesthetics, and the communication of the design with presentation drawings and models, technical drawings and specifications;', 'Evaluate the effectiveness of the methodologies they are applying, and explain the reasoning behind their choice of methodology, media, design options and solutions;', 'Understand the role of design as a discipline as well as a professional practice in a particular field;', 'Consider critically the imagery in their designs, and its aesthetic and symbolic resonances;', 'Understand and be able to apply the rules of occupational health and safety appropriate to the unit of study.']
MRE5002	Maintenance planning and control, objectives of the maintenance department, availability of plant, types of failures, types of maintenance and maintenance strategies. Structures of maintenance departments, job descriptions of maintenance personnel, communication within the maintenance function, use of multi-skilled maintenance personnel to reduce resourcing difficulties. Documentation and computer control systems, selection of appropriate manual or computerised control systems for a maintenance department depending on size and type of organisation. The implementation of maintenance planning systems.	['NA']

VPR3001	<p>This unit is the fifth in the Visual Practices sequence. In this unit students will focus on their chosen areas of interest reflected in their choice of workshops. Topics will include curatorship, arts writing and a range of contemporary art approaches. A high degree of independence, combined with advanced conceptual lucidity and prowess in the development of curatorial, collective and individual practices should be evident at this stage. Students develop individual programs in conjunction with the lecturers that reflect their personal direction and evolving practice, either curatorial, theoretical or practical.</p>	<p>['Be strongly self-motivated, and able to construct a program of work derived from various workshops that reflect a coherent direction which imaginatively addresses their own concerns;', 'Be able to produce outcomes that display conviction, confidence and control in concepts and materials, or collaborative and curatorial practice and be able to isolate areas of their work that require further research and sustain a directed inquiry into these;', 'Deepen their understanding of current issues in fine art and recognise the potential to produce works within the framework of contemporary culture;', 'Be able to position and contextualise the evaluations of their work and that of other students within the historical and contemporary context and express these observations through a range of outcomes, and;', 'Have increased understanding, and be able to practice, the rules of occupational health and safety in force in the studio, and are able to collaborate and co-operate safely and productively within the studio environment with observance of the OHS&E; regulations and policies of the studio.']</p>
LAW4311	<p>This unit deals with the administration and distribution of property of deceased persons. It covers rules of intestacy, testamentary capacity and intention; the formal element for making, altering and revoking a will; the professional duties of lawyers in the drafting and execution of wills and the management of deceased estates; persons eligible to be appointed executors; types of grants of representation; methods of proving a will; the vesting of assets in an executor or administrator; the classification of gifts by will and the doctrines affecting such gifts; the powers and duties of executors and administrators; and the distribution of net assets to beneficiaries or next of kin. It is designed to impart the fundamental areas of legal knowledge and principles and the contexts within which legal issues arise.</p>	<p>['To explain how the property of a deceased person will be distributed if the person has not made a valid will disposing of all of their property.', 'To document the requirements for a valid will, and assess a variety of circumstances to determine whether a particular will is valid.', 'To state how wills are altered, revoked, revived and republished.', 'To describe circumstances where formalities can be circumvented.', 'To classify and determine the validity of various testamentary dispositions.', 'To identify the people who are eligible to make a family provision claim and describe how the courts will deal with such a claim.', 'To outline the various different types of grants of representation, and explain how an estate is administered.', 'To work in a group to practice the essential duties of succession lawyers and draft an executable will and/or describe how a deceased estate should be managed.']</p>

SON5021	Sonographic scanning methods and standard protocols related to examinations of adult liver, gallbladder, biliary system, pancreas, gastrointestinal tract, urinary system, spleen, retroperitoneum, abdominal wall and related vascular structures. The scientific principles underpinning tissue harmonic imaging and use of contrast agents in abdominal sonography. Interpretational skills in respect to recognition of sonographic appearances of normal anatomy, anatomical variants, disease processes and ability to modify standard sonographic approaches with regards to the clinical question and patient presentation.	['identify, describe and justify the selection of protocols, imaging parameters, equipment and transducers for sonographic examinations of the upper abdomen;', 'perform routine sonographic examinations of the upper abdomen safely and to a standard and ethical conduct expected of a competent sonographer;', 'identify and describe normal and abnormal sonographic appearances of the organs and structures in the upper abdomen and related artefacts;', 'recognise when modifications to routine scanning approaches are required and describe the limitations of ultrasound in regards to imaging the upper abdomen;', 'implement Spectral, Colour and Power Doppler techniques where appropriate in upper abdominal ultrasound imaging;', 'explain the application of contrast agents and tissue harmonic imaging in abdominal sonography, and describe and implement quality assurance principles in abdominal imaging.']
GLS2213	This unit introduces students to varied techniques of sculpting with glass. Working from clay and wax originals glass is cast into hand built refractory moulds, fired in a kiln and then polished. These processes allow the transference of original and found objects to be re-contextualised into glass. Students will explore the unique optical and material properties of the medium and will acquire an understanding to contemporary approaches. Projects are conceptually based and can incorporate a multi-media approach.	['Apply the complex processes involved in casting glass including wax working, clay forming, mould making and polishing;', 'Demonstrate perceptual skills and critical sensibility necessary for the development of a personal visual language;', 'Conceptualise, plan and produce work in relation to historical and contemporary art practices;', 'Discuss, reflect on and critique work through well-researched class presentations;', 'Develop a questioning awareness of aesthetic and technical theories and the skills related to their visual production;', 'Understand and apply the rules of occupational health and safety appropriate to the discipline practice.']
MBA5112	Topic 1 - Business models and strategy	['integrate the knowledge and skills gained to evaluate an organisations strategy and develop recommendations', 'integrate the knowledge and skills gained to evaluate an organisations marketing strategy and develop recommendations', 'integrate the knowledge and skills gained to evaluate an organisations financial performance in the context of the recommended strategy.']
MGS3401	Business environments including markets, critical success factors, and strategies employed to gain a competitive advantage; the nature of strategic management; the analysis and interpretation of business environments; the nature of competition, relative position of firms, individual strategies and their relationship to critical success factors; strengths and weaknesses related to production, finance, research and development, marketing, administration; the role of structure, controls, rewards, culture and leadership in implementation.	['identify factors that help companies to survive and prosper', 'compare various business models and the actual processes of managing strategies', 'evaluate various techniques of analysing situations that require a strategic response', 'debate the factors that lead to strategy success and failure', 'apply strategic management concepts in particular cases.']

MGF5690	<p>This unit is an introduction to services and operations management concepts. The unit introduces operations management concepts in delivering value to customers, within and across organisations. Furthermore, the unit introduces and investigates service management in a variety of industry contexts, including discretionary and non-discretionary services. The services and operations concepts are synthesised through applied assessment.</p>	<p>['define and distinguish between services and operations management principles and practices', 'outline and apply operations management concepts in delivering value to customers', 'apply and analyse discretionary and non-discretionary service management concepts', 'synthesise services and operations management concepts.']</p>
EAE3581	<p>Geochemistry concerns itself with the distribution and mobility of elements within the earth and its atmosphere. Over the past decades it has evolved from a descriptive science to one being increasingly concerned with the (molecular-level) mechanisms behind the observations. This unit provides an overview of the fundamental chemical principles that control geochemical processes, and shows how this knowledge can be used to understand, predict, and manage applied geochemical problems, including mineral exploration and geomaterials; radioactive waste disposal; applied mineralogy and environmental remediation.</p>	<p>['Apply fundamental chemical principles to understand the distribution and mobility of elements in Earth systems.', 'Discuss the key physical and chemical parameters that control element mobility in a given geochemical system.', 'Understand the different analytical tools that can be used to study geochemical systems and the information they deliver.', 'Develop an understanding of key geochemical questions.', 'Apply the knowledge to understand and predict the evolution of natural and engineered geochemical systems.']</p>
ATS3140	<p>The unit develops advanced skills in compositions and music technology by requiring students to conceptualise and articulate an original interactive work. Students will develop new strategies and refine personal 'sound' production values in relation to this task, and work with a professional ensemble to realise the work. Students will also apply music software programming and networked performance skills.</p>	<p>['design and compose an original interactive work;', 'formulate personal 'sound' production values;', 'apply music software programming and networked performance skills;', 'communicate compositional ideas effectively to musicians;', 'review and critique the work of peers, demonstrating perceptive music listening skills.']</p>
SWM5003	<p>This unit is structured to assist students in Planning and preparing for Supervised Professional Practice 1 (first Placement).</p>	<p>['Research and apply skills and knowledge which demonstrate judgement and defined responsibility in relation to Faculty and department compliance and readiness for placement', 'Interpret and transmit knowledge, skills and ideas in a professional manner within tutorials and briefings', 'Analyse, synthesise and reflect on the roles and responsibilities of those involved in supervised professional practice placement - the university, the student, and the host organisation by participating in tutorial/briefing activities', 'Research and apply established theories in relation to the service system with particular reference to Medicare and Centrelink by participating in tutorials/briefings', 'Interpret and transmit the importance of supervision when undertaking supervised professional practice placement by participating in tutorial/briefings', 'Analyse, synthesise and reflect on the importance of preparing effectively for supervised professional practice placement, by completing required tutorials/briefings, and mandatory Faculty and Departmental compliance requirements for placement.']</p>

MDC4120	<p>This unit introduces students to the audio-visual language of multimedia and multimedia design principles. The role of the screen-based multimedia designer and the various multimedia elements are defined, including text, image, sound, narrative, animation and video. Students are introduced to various methods for creating screen design for contemporary electronic media communication. Particular emphasis is placed on the role of text and images in its particular narrative process.</p>	<p>['Understand the audio-visual language of multimedia and the application of communication design principles;', 'Approach the problem-solving of multimedia screen design with an inquiring, adventurous and open attitude;', 'Be able to identify the different delivery platforms for multimedia design, including digital video, the internet, smart devices, site-specific installations, and other technologies;', 'Be able to use text, images, colour, animation, sound and digital video as communication elements in multimedia designs;', 'Develop a self-directed approach to the development of multimedia design works, utilising independent research and evaluation methods;', 'Observe and employ occupational health and safety appropriate to studio practice.']</p>
BEX3723	<p>This unit requires students to examine a broad range of social, cultural, legal and political issues that can impact on the strategy and operations of businesses operating in a global business environment. Through the use of readings, case studies, and an analysis of current events students are confronted with some specific challenges of doing business in a global context. This unit focuses on developing skills, addressing various global issues and how they affect business, as well as aspects of global citizenship, cultural sensitivity and effective teamwork.</p>	<p>['recognise issues affecting businesses operating in a global context', 'develop and present strategic responses to specific issues affecting businesses operating in a global context with due consideration to sustainable, responsible and ethical business practices', 'acquire team skills including team leadership, collaboration, problem-solving, decision-making, communication and presentation skills', 'develop reflective practice skills in relation to individual learning.']</p>
ATS3805	<p>The unit is designed to develop students' Korean language skills to an advanced level, while introducing them to a range of literary writings by modern master writers of colonial Korea (1910-1945) supplemented by media texts.</p>	<p>['explain the historical context of modern Korean literature;', 'analyse primary works of modern Korean literature in Korean;', 'engage in informed discussion of the different texts and contexts studied in the unit;', 'produce clear, grammatically and syntactically appropriate response papers and writings (short answers, translations, creative writing, essays, etc.) in Korean on topics provided or chosen for assessment.']</p>

BFF5021	<p>The management of risk is a multi-dimensional activity that entails a range of disciplines and thought processes to ensure that resilience is created and maintained within the firm. There needs to be an understanding by business students of the range of activities and events that can be exposed by the application of risk management techniques and processes. This unit includes detailed analysis of a series of case studies drawn from real life events that encompass the holistic nature of risk within a firm and/or society. If appropriate, they may be presented and discussed by an industry practitioner. The unit is designed to bring all facets of the specialisation together.</p>	<p>['develop analytical and diagnostic skills and in particular enhance an ability to analyse and resolve problems of practical importance', 'analyse situations and scenarios by reference to case studies relating to risk management and articulate a response in an effective manner', 'gain experience in a controlled environment in skills needed for practical implementation of risk management policy within a corporate setting', 'decide on response tactics ranging from qualitative to quantitative as appropriate', 'categorise degrees of risk and respond to risk situations, justify responses to various set situations using the matrix approach and emphasise the relationship of risk factors and scenarios to risk practitioners and various guest speakers', 'work in an individual and/or team environment and develop the ability to project and defend a point of view in a constructive manner', 'demonstrate in an individual summative assessment task the acquisition of a comprehensive understanding of the topics covered by BFF5021.']</p>
FST1911	<p>An introduction to the principles and concepts of nutrition with emphasis on the digestion, absorption, key functions and food sources of carbohydrates, fats, proteins, minerals and vitamins that applicable to human. Various factors that influence food choices to meet nutrition needs of individuals are discussed. The concept of energy requirements and weight management will be discussed. Malaysian Dietary Guidelines are introduced.</p>	<p>['Demonstrate an understanding of the digestion and absorption of food and specified nutrients;', 'Display knowledge and understanding on key functions, food sources and requirements of specified nutrients;', 'Display knowledge and understanding on the concept of weight management in regards to energy intake and exercise.', 'Critically analyse personal dietary intake within the framework for Malaysian dietary guideline;', 'Demonstrate ability to collaborate effectively in the production of scientific report and presentations and communicate effectively in giving constructive feedback to peers.']</p>
DIS5604	<p>This unit provides students exposure to the concepts and tools applicable to digital and audio production techniques. The unit offers students an opportunity to explore the potential of digital video and audio as a medium for inclusion in a wide range of communications and multimedia applications. Scripting, shooting video, sound recording, sound and other production methods are demonstrated.</p>	<p>['Understand digital video and audio concepts;', 'Be able to plan, acquire and digitise a video source;', 'Be able to trim and edit a video source;', 'Be able to plan and manage an audio recording session;', 'Acquire and incorporate audio and music tracks within a video source;', 'Assemble and output a complete digital audio/video production;', 'Understand the various applications of digital audio/video in multimedia;', 'Have knowledge of the various tools and techniques used for digital video effects and sound composition;', 'Be able to analyse the effective use of digital video/audio in multimedia;', 'Have developed an individual understanding of an aspect of a specific application of digital audio and/or video in multimedia.']</p>

MPH5266	This Unit will review key leadership, management, and organisation theory and its application to healthcare settings.	['Explain the application of complex management theories in the management of health care teams and organisations.', 'Interpret the applicability of health care research findings to health care management practice.', 'Formulate practical solutions and apply management experience to solve complex health management problems.', 'Demonstrate theoretical and practical approaches to leadership within health services and the importance of clinical engagement.', 'Communicate health care management solutions to specialist and non-specialist audiences.', 'Evaluate the perspectives of health care consumers and other stakeholders in health service planning.']
NUR5202	Relationships between computers, information technologies and the provision of nursing care. Contemporary issues in nursing informatics. Skills in the use of information technologies in health care settings enabling participants to act as a conduits, facilitating and enhancing communication between and among clinicians, technicians, information systems personnel, health care executives and systems vendors. Issues of privacy, ethics, confidentiality and network security.	['Demonstrate an in-depth understanding of how specific software application (e.g. word processing, spreadsheet, database, presentation and statistics) may be applied to nursing practice, education, administration and research;', 'Describe the role of database, communication and network technology in the development, implementation and utilisation of information systems;', 'Evaluate current trends in communication and network technology and their impact on Health Information Systems;', 'Analyse and evaluate a number of information sources such as CD-ROM databases and websites related to nursing knowledge in general and specifically to Nursing Informatics;', 'Demonstrate an ability to competently utilise communication applications such as email, newsgroups, intranet and Internet audio/video technology and evaluate their benefits to health care;', 'Outline the role of various computer architectures in the provision of Information Systems;', 'Analyse a number of networking structures and topographies;', 'Understand issues related to informatics ethics, privacy and confidentiality;', 'Evaluate the role of network security in maintaining information system integrity;', 'Analyse a number of information technology implementation strategies and outline their impact on Nursing Informatics;', 'Discuss the role of data standards and case mix in health informatics;', 'Demonstrate an understanding of current trends in health care and how they influence the development, implementation and utilisation of information systems;', 'Analyse a number of Clinical Information Systems and determine their role in improving nursing care.']

OPM5001	This unit explores projects as primarily social constructs, where sense-making and adaptive behaviours are required to accommodate local contexts, dynamics, and personal attributes. The perception of projects as primarily a process is critically examined. The concepts of systems thinking and cultural practices are explored to develop an understanding of the interrelationships between various elements of a project, and the environment in which they are executed.	['Critique the theory and concepts of systems thinking applied in a project management context.', 'Appraise and evaluate adaptive behaviours between a project and its environment using the theory of sense-making.', 'Interpret the differences between a social construct and a technical process when managing projects.', 'Manage the interaction between a project and its environment.']
ATS2672	In the past, our human limitations constrained the possibilities of working with large bodies of text. But today, technology makes it easy to analyse millions, even billions, of words of text quickly and reliably. This unit introduces students to the basic methods used in analysing large text collections and looks at their application in fields such as literary studies, linguistics, history and translation. Students will learn practical techniques for analysing text collections, will use that knowledge to explore texts relevant to their disciplines and will reflect on the types of knowledge which can be gained using these methods and their value within contemporary humanistic scholarship.	['understand how texts are made accessible for computational analysis;', 'understand the nature of basic tools for the exploration and analysis of text corpora;', 'be able to apply such tools to specific analytic problems involving real data;', 'be able to interpret the analytic results and present them clearly both orally and in writing.']
FIT5124	This unit aims to provide students with an advanced knowledge of IT security. Topics include design and implementation of advanced cryptosystems for high-performance applications such as low power mobile devices, cryptographic protocols for secure online computation applications such as e-voting. We will cover advanced hacking techniques, complete computer system penetration testing and defences. Further topics include advanced wireless network security, enterprise security architectures, malicious code detection and prevention systems, defence systems in depth, advanced software security, virtual system and cloud computing security, and emerging technologies such as quantum computing and cryptography. Students will do practical exercises and tasks throughout the unit.	['explain the operation of several advanced cryptosystems and protocols and their underlying assumptions and applications;', 'apply a range of hacking and penetration testing techniques;', 'describe advanced security design issues in the context of software and network settings;', 'explain the potential security implications and limitations of emerging technologies.']

DIS1103	<p>This unit encourages the creative, open and innovative use of computer-mediated art and design. Students are introduced to the various software options (including drawing, painting, and image-editing software) and peripheral devices for digital acquisition, storage and output. Demonstrations and lectures are given on the techniques and capabilities of vector and pixel-based applications for both print and screen-based outcomes.</p>	<p>['Have a basic practical and critical understanding of digital imaging and its links with other media;', 'Be able to access the Faculty computing resources, including access facilities with a clear understanding of appropriate health and safety studio procedures and implement these procedures within their work practice;', 'Competently operate a computer, familiarising themselves with operation system basics and file management;', 'Be able to use peripheral devices (ie. scanners, printers) to acquire, compose and output images;', 'Use image editing software to skilfully create, adapt, edit, manipulate and compose images;', 'Be able to apply digital imaging techniques towards the realisation of conceptualised, communicative works;', 'Have the foundation necessary to undertake further units in digital imaging with a view towards either specialisation or application of the media within other studio disciplines.']</p>
PGW5209	<p>This unit will provide students with a clinical risk management framework for managing and preventing wounds. This unit will explore the evidential basis for prevention strategies for wounds such as skin tears, leg ulcers, diabetes-related foot wounds and pressure injuries. Students will not only explore patient related issues associated with prevention but also examine the local environment and organisational factors that influence prevention in both the hospital and community setting.</p>	<p>['Examine clinical risk management in relation to wound prevention.', 'Critically evaluate prevention strategies and the evidential basis supporting best practice guideline recommendations.', 'Formulate a prevention pathway for pressure injuries, skin tears, venous ulcers or diabetes related foot ulcers using a clinical risk management approach.', 'Examine patient, local and organisational barriers to wound prevention and develop a plan for overcoming them.', 'Investigate appropriate measures for monitoring effectiveness of wound prevention strategies for the individual and the healthcare service.', 'Design suitable communication strategies for distributing the findings of clinical audits.']</p>
EAE3581	<p>Geochemistry concerns itself with the distribution and mobility of elements within the earth and its atmosphere. Over the past decades it has evolved from a descriptive science to one being increasingly concerned with the (molecular-level) mechanisms behind the observations. This unit provides an overview of the fundamental chemical principles that control geochemical processes, and shows how this knowledge can be used to understand, predict, and manage applied geochemical problems, including mineral exploration and geometallurgy; radioactive waste disposal; applied mineralogy and environmental remediation.</p>	<p>['Apply fundamental chemical principles to understand the distribution and mobility of elements in Earth systems.', 'Discuss the key physical and chemical parameters that control element mobility in a given geochemical system.', 'Understand the different analytical tools that can be used to study geochemical systems and the information they deliver.', 'Develop an understanding of key geochemical questions.', 'Apply the knowledge to understand and predict the evolution of natural and engineered geochemical systems.']</p>

RAD2092	<p>The focus of this unit is on the structure and function of the central nervous system and the pathological basis of disease and injury affecting this system. The anatomical representation and relationships of the bones, organs, blood vessels, nerves and muscles comprising the cranium, chest, abdomen, male and female pelvis, spine, limbs and girdles in multiple planes will be demonstrated through computed tomography (CT), magnetic resonance images (MRI) and digital subtraction angiographic (DSA) imaging. Organization, structure and physiology of nervous tissue, the spinal cord and its nerves and the senses will provide students with a more in-depth understanding of the common disorders affecting the central nervous system including developmental malformations, neoplasia, demyelinating and degenerative disease processes, infective processes, cerebrovascular disease and traumatic brain injury. The unit is particularly designed to prepare students for their CT studies in year three of the course.</p>	<p>[‘Explain the basic components, structure and function of the central nervous system including the special senses;’, ‘Describe the anatomy of the skull, brain and associated structures;’, ‘Describe important pathological processes affecting the central nervous system including the special senses;’, ‘Distinguish between normal and abnormal pathophysiological processes affecting the central nervous system and its blood supply as they appear on CT, MR and DSA images;’, ‘Name and identify the anatomy of the skull and central nervous system as seen on sectional computed tomography and magnetic resonance images;’, ‘Compare and contrast the CT, MR and DSA appearances of the vascular supply of the head and neck;’, ‘Discriminate between the osseous and soft tissue components, important muscles and blood vessels of the chest, abdomen, pelvis, spine, and limbs on CT and MR images.’]</p>
GRS4104	<p>This unit builds on earlier course work allowing the basic mechanisms of reproductive biology to be applied to key problems in reproductive health and fertility regulation. Sexual and reproductive disorders will be discussed in the context of public health and regulation.</p>	<p>[‘Explain in detail the disorders of sexual development and the normal processes involved in puberty and menopause’, ‘Identify key elements in the transfer of sexually transmitted disease’, ‘Recognise the mechanisms involved in reproductive cancers, menstrual disorders, erectile dysfunction and infertility’, ‘Appraise current approaches to the management of reproductive disorders’, ‘Identify and discuss the trends and policies for fertility regulation within populations’, ‘Critically evaluate the methods available to women and men to regulate their own fertility’]</p>
SON5025	<p>Sonographic scanning methods, techniques and protocols related to selected examinations of the cardiovascular system. Gross anatomical structure and function and relevant pathophysiological disorders associated with the cardiovascular and immune systems. Interpretational skills in respect to artefacts and the sonographic appearances of the examinations addressed will be gained. The process of organ rejection and the role of ultrasound in the postoperative evaluation of liver and renal transplants. Quality assurance, sonographic measurement techniques, the utilisation of specific duplex modalities and the use of stents and grafts in vascular surgery.</p>	<p>[‘identify, describe and justify the selection of imaging parameters, and equipment, as well as patient care and quality assurance principles for vascular, transplant and postoperative ultrasound examinations;’, ‘perform routine vascular ultrasound examinations, including functional measurements of selected vessels of the cardiovascular system to a standard and ethical conduct expected of a competent sonographer;’, ‘identify and describe the normal and abnormal sonographic appearances of the upper and lower limb venous and arterial systems and carotid and vertebral arteries on ultrasound images and related artefacts;’, ‘recognise when modifications to routine scanning approaches are required and explain the limitations of ultrasound in regards to vascular and transplant imaging;’, ‘Explain, justify and implement the use of Spectral, Colour and Power Doppler techniques in vascular imaging and the assessment of blood flow and organ perfusion;’, ‘describe and explain the gross structure and pathophysiological processes including organ rejection associated with the cardiovascular and immune systems.’]</p>

MGF5960	<p>The unit will provide a foundation from which to explore the broad nature of organisations and the function of management in relation to its people, purpose and structure. Students will critically explore organisations from a multi-level organisational perspective to develop student understanding and appreciation of current debates and challenges in relation to managing organisations. The unit will commence with an overview of an organisation's human resources and its role in achieving its strategic objectives. The function of managers in achieving strategic goals will also be analysed including the manager's role in guiding the development of the internal environment and structure in order to creatively respond to the complexities of its external environment. Understanding how to ethically, and sustainably, construct, lead and mobilise a diverse workforce in a globally complex world is an important requirement of the modern manager.</p>	<p>[analyse the broad nature of organisations and the function of management in relation to its people, purpose and structure', 'critically analyse the importance of aligning individual, the team and the organisation's contribution in attaining organisational goals', 'assess the role of ethics and social responsibility in determining the culture and internal practices of an organisation in the overall conduct of its business', 'critically apply and evaluate contemporary management theory and research and generate creative business solutions to current organisational issues', 'understand the impact of complex external environments on organisational function.']</p>
APG5900	<p>This unit will introduce the core conceptual and historical dimensions of the MCA, including the emergence of arts and cultural policy, the rise of the cultural and creative industries, urban regeneration and urban cultural economies, and the evolution of cultural/ creative work. In particular it will explore the concepts and claims of "cultural economy" - that the economy is a constructed socio-cultural phenomenon - and examine the consequences of these for existing and future practices by individuals, businesses and policy agencies operating within the cultural economy per se. Students will be asked to submit two assignments based on concepts and issues generated by the unit content.</p>	<p>[A broad overview of the conceptual, historical and contemporary issues involved in notions of the cultural economy;', 'Critically evaluate the different approaches to cultural economy and the issues they raise;', 'Apply independent research skills to a range of conceptual and historical problems in the field of cultural economy;', 'An ability to write and communicate effectively and in analytical depth;', 'An ability to effectively utilise academic concepts to identify and investigate concrete challenges and issues involved in specific aspects of the cultural economy.']</p>
CIV3285	<p>The unit introduces students to the basic concepts of hydrology and their application in the engineering practice. The key features of the main components of the hydrologic cycle (i.e., rainfall, streamflow, and evapotranspiration) are presented along with methods to measure and model them in natural and urban environments. Particular emphasis is on flooding and designed floods. The unit also provides an overview of the various water systems in an urban environment, their functions and modes of operation, and the influence of climate variability on urban requirements in terms of management and discharge of stormwater. A final aspect is the activation and transport of contaminants within the urban water cycle.</p>	<p>[Undertake hydrological investigations of natural and urban catchments.', 'Estimate floods for engineering design and planning.', 'Conceptually design and estimate flows of a minor drainage network.', 'Design gutters, swales, and pits.', 'Produce technical reports developed by teams at the standard required by the engineering profession.']</p>

ATS3346	<p>The unit examines aspects of Roman political, social, and cultural history from the crucial period of transition from Republic to Empire (ca. 59 BCE to 138 CE). It focuses on a number of powerful individuals, especially Julius Caesar and the emperors Augustus, Claudius, Nero, and Hadrian, as well as the court that grew up around them-rivals, wives, freed slaves, bodyguards, and the sometimes resentful members of the Roman elite. Themes include the nature of the Roman political system and the role of the emperor, the literature and material culture of the imperial state, the rise to power of the Praetorian Guard and imperial freedmen, and the realities of Roman rule in the provinces of the empire. We take as case studies the Roman provinces of Britannia and Judea, examining the events and context of the bloody revolts against Roman power-Boudicca's revolt in Britannia and the Revolt of 66 and Bar Kokhba's Revolt in Judea-and their effects on provincial life and imperial Rome.</p>	<p>['identify and understand the Roman political ideas of government and the manner in which these were used and manipulated by those seeking power;','describe the political, social, and cultural history of Roman during the period covered;','examine the evidence relating to the role of the emperor and how the manner and impact of the imperial position was shaped by the individual personality of the incumbent, and the response from across the Roman social spectrum, from aristocrats to rural poor, freed slaves, and provincial subjects;','evaluate cultural, political, military, religious, and archaeological aspects of life in the imperial provinces, especially in Britannia and Judea;','analyse and approach critically the variety of ancient (documentary, archaeological, and literary) and modern sources, in particular through the development of skills in source criticism;','collaborate and defend interpretations and arguments concerning the Roman Empire through group tutorial presentations and individual research.']</p>
ATS3465	<p>This intensively delivered unit is part of our Criminology in Prato programme.</p>	<p>['the key human rights relevant to investigatory stages in criminal justice systems;','the key human rights relevant to trial stages of criminal proceedings;','the impact of human rights on national and international efforts to combat crime.\n\nThe unit seeks to enhance the ability of students to undertake independent research under the guidance of supervision.']</p>
BEX3460	<p>The specification, estimation and testing of asset pricing models, including the capital asset pricing model and extensions; the statistical characteristics of financial data emphasising skewness, kurtosis and volatility aspects; volatility models such as ARCH models of financial time series, with applications to stock prices, derivatives, and exchange rates including the forecast performance of these models.</p>	<p>['NA']</p>
LAW4137	<p>Students will study the major contemporary theories of the nature of law and legal reasoning (positivism, natural law, interpretivism, realism), and the main lines of debates between them. These debates concern the nature and foundations of law, the relationship between law and justice, the nature of legal reasoning and the role of value-judgments and creativity in judicial decision-making, the meaning of statutes and constitutions, and judicial activism and fidelity to law. Students will also study how philosophical debates about these issues illuminate actual controversies in the practical administration of legal systems.</p>	<p>['Articulate and critically assess the major theories of the nature of law and legal reasoning, demonstrating sophisticated awareness of the main lines of debate between them;','Demonstrate cognitive and creative skills in analysing the complex issues at stake in these debates, and the capacity to draw and defend well-reasoned conclusions;','Communicate such analysis and conclusions effectively, appropriately and persuasively;','Appreciate and explain how these debates illuminate actual controversies in the practical administration of legal systems.','Learn and work autonomously and use feedback to improve their own capabilities and performance.']</p>

NUT5003	<p>This unit uses a range of clinical conditions and diseases as the foundation and basis for dietetic students to further develop their core dietetic practice skills and develop skills in dietetic education and case management in the academic setting in preparation for placement. There is an emphasis and focus on person centred care and using simulation and case based learning to provide a key platform for learning in this unit. Preparing students for individual case management and clinical placement is a key focus of this unit. Broader issues regarding healthcare systems and healthcare provision, management, ethics in healthcare and quality improvement are covered in this unit. Students' professional competencies are further developed and this unit supports fulfilment of prescribed competencies as outlined by the Dietitians Association of Australia.</p>	<p>['Evaluate the role of diet in the aetiology, prevention, and management of a range of clinical conditions and diseases in preparation for clinical case management.', 'Integrate knowledge of science and disease into nutrition assessment and management of clinical cases including consideration of broader issues regarding healthcare systems and provision, management, ethics and quality improvement.', 'Demonstrate core skills in the clinical dietetic process to formulate effective case management plans including prioritising care and discharge planning.', 'Integrate personal, social, clinical, cultural, physiological, ethical, environmental and economic factors into clinical reasoning and decision making in case management.', 'Apply an evidence based approach to clinical case management.', 'Identify and critically review evidence in clinical dietetics communicating practice applications.', 'Incorporate theories of behaviour change and learning theory in counselling and education skills to support effective dietetic case management.', 'Communicate appropriately and broadly both written and orally.', 'Critically reflect on practice extending self-awareness, insight and cultural competency linking to professionalism.']</p>
BMS5014	<p>This unit is designed to allow students to gain the laboratory techniques and research skills in biomedical sciences at the level of molecules and cells, to develop their capacity for independent research within laboratories in the biomedical and health sciences.</p>	<p>['Proficiently perform biomedical techniques for study at the molecular and cellular level, and conduct research methods applicable to biology, biotechnology and biomedical science.', 'Explain the basis of the scientific method from building a hypothesis, to the importance of testing scientific ideas through experimental methods and the need in science to gain experimental evidence to test a hypothesis', 'Independently design appropriate experimental protocols for use in biomedical research - at the molecular and cellular level, by evaluating the advantages and disadvantages of different techniques for measurement and collection of data.', 'Apply scientific concepts on controls, replication, reductionist and expansionist approaches, sources of error and error minimisation, and the application of research ethics and integrity to molecular and cellular scientific data collection and analysis', 'Critically analyse and organise research data and methodology, applying appropriate research methods to study design, collection of data and data analysis in molecular and cellular biomedical sciences', 'Work effectively in a collaborative environment as part of a team in a laboratory setting to address a scientific question']</p>

ASP4200	ASP4200 is a level four unit in the Honours Program of the Bachelor of Science course. The unit comprises six approved lecture topics which students can choose from those offered in the Honours Handbook of the School of Physics and Astronomy. These provide advanced instruction in Astrophysics and related fields, and support for students wishing to develop a career in research.	['Demonstrate an advanced understanding of astrophysics and related disciplines.', 'Synthesize and interpret their knowledge.', 'Apply their knowledge and critical thinking skills to the solution of complex problems.', 'Plan, and efficiently carry out, work requirements.', 'Make effective use of information and communication technology for the collection and analysis of data, the solution of problems and the presentation of their work.\nStudents will also be able to:', 'Understand, use and explain the basic concepts and principles of the research literature which underpins their chosen area of research in astrophysics.']
SCI4100	Students undertake a supervised research project in an area of science, and present the results in a seminar.	['Critically review the scientific literature in their specialist area of study;', 'Understand the processes involved in the design, development and implementation of a relevant research project;', 'Be able to complete and analyse a set of laboratory-based, computer-based, theoretical or other appropriate studies;', 'Be proficient in computer based data acquisition (where appropriate), critical analysis of results, appropriate presentation, and scientific word processing;', 'Demonstrate communication skills in both oral and written presentations, including the ability to write and present scientific work in a potentially publishable way;', 'Have acquired a range of technical skills and attitudes appropriate to their specialist area of study;', 'Have demonstrated the capability to perform a variety of scientific procedures and techniques that are essential to the satisfactory completion and reporting of a research project;', 'Have demonstrated the potential to pursue higher studies and learning in the relevant area of study.']

ATS3972	<p>This unit examines the ways in which Spain and Latin America have represented each other, and the 'singular cultural space' of Ibero-America, at critical junctures during the twentieth century. Through a range of sources produced on both sides of the Atlantic, including works of fiction, critical essays, travel narratives, journalism and film, the unit reflects on the supranational contexts in which (trans)national identities are negotiated and defined. Students explore such critical issues as notions of nationhood and 'race,' cosmopolitanism, immigration and exile, gender and subjectivity, and the confrontation of modernity with tradition. As a point of departure, students are introduced to the idea of Hispanidad and the ideology of Hispanoamericanism as a means by which Spain sought its national regeneration by proclaiming the shared spirit, language and culture that allegedly unites Spain and its former colonies. One of the recurring themes explored are the various responses to this idea of Ibero-America as a homogenous cultural space. Students will reassess critically the nature of post-imperial Spain and post-colonial Latin America from the aftermath of Spain's loss of empire in 1898 to the rapid increase in Latin American immigration to Spain at the end of the twentieth century.</p>	<p>['Analyse critically a variety of literary and visual texts and to evaluate and formulate coherent, sophisticated arguments, both written and oral.', 'Communicate effectively their ideas during in-class discussions based on thoughtful reflection on the issues.', 'Enhance their skills in the presentation of written and oral arguments in Spanish.', 'Demonstrate a critical understanding of current theoretical approaches to literary analysis in Hispanic Studies, as well as comprehend the relationship between travel, either real or imagined, and ideologies of power and representation.', 'Demonstrate a critical understanding of issues of national and transnational identity formation and negotiation during the twentieth century in Spain, Latin America, and the imagined space of Ibero-America.', 'Deepen their knowledge of contemporary Spanish and Latin American society, history, politics and culture.', 'Contextualise specific moments of transnational movements and migrations within the Spanish-speaking world at various points during the twentieth century and explain the motives for, and impact of, contact with the other.', 'Improve their reading skills in Spanish in terms of their understanding of different discourses adopted in literary fiction, criticism, theory and film.']</p>
TRC4000	<p>The aim of this capstone unit is to provide an opportunity for students to undertake a substantial individual or small group project. In order complete the project studies from earlier stages of the course will be integrated into a complete design/build/test task, a computer modelling or simulation task or a combination of both. It is envisaged that the project may involve design of mechanical components, sensing, actuation and computing elements, a simulated model or similar. Before work is started on the project a safety induction and/or risk assessment process will be completed. The student will also complete a research proposal or requirements analysis to ensure that the scope and expected outcomes of the project are agreed between student and supervisor. A progress report and a progress presentation at the end of the semester will give a detailed account of progress and a research plan for the next semester.</p>	<p>['Generate a research plan based on scientific methodologies and risk assessments.', 'Manage a research project effectively within technical, budgetary, risk and time constraints.', 'Research an extensive review of relevant scientific literature and critically analyse its relevance to the project work being proposed.', 'Utilise data acquisition tools, data analysis and other technological tools effectively in design, research and experimental activities.', 'Generate project findings via written reports and oral presentation to a range of audiences in a professional manner.']</p>

NUR5870	To provide effective end of life care in acute, aged or community contexts registered nurses need to be able to manage patients, support and engage families, and work with other health professionals. This unit aims to equip registered nurses, who are working with people at end of life, with essential clinically relevant knowledge and skills that can be applied in any setting.	['Appraise common issues associated with end of life care in a variety of health care contexts.', 'Skillfully communicate end of life issues with patients, families, nurses and other health professionals', 'Work with the concerns of families or proxy decision-makers when patients are deteriorating and/or when patients are not responding well to interventional care', 'Recognise when patients are approaching the end of life and engage appropriate models of care', 'Establish and operationalise advance care planning methods and tools', 'Design strategies for building capacity in nursing and inter-professional teams to manage and support end of life care']
BFM5973	Topics include working capital management, capital budgeting and funding decisions (capital structure and cost of capital) incorporating the identification of foreign exchange risks and their management as well as their financial reporting implications.	['identify motives and evaluate strategies for foreign direct investment', 'understand the impact of and strategies to manage risks associated with international business', 'acquire a sound knowledge of issues surrounding the financing of international business', 'develop oral presentation skills in communicating complexities surrounding international business', 'develop an ability to work independently, lead and participate in teams from diverse cultural and social backgrounds by producing a presentation relating to an international business issue', 'demonstrate in an individual summative assessment task the acquisition of a comprehensive understanding of the topics covered by BFM5973.']

MED2200	This unit further consolidates and extends knowledge, and skills in medicine.	<p>['Use key ethical and legal principles to discuss issues pertinent to health care and clinical contexts.\n\nTheme II - Society, Population, Health and Illness', 'Examine key social, economic and environmental determinants of health on status and outcomes in marginalised groups, including the Indigenous population.', 'Explain concepts in prevention science and approaches used in health promotion.', 'Explain concepts in population health, epidemiology and measurement of health and disease in populations.', 'Describe the role of health care services in maintaining health and in monitoring, managing and preventing disease.', 'Using prescribed methodologies search for and critique information from medical research literature and popular information sources.\n\nTheme III - Scientific Basis of Clinical Practice', 'Describe the structure and function of the human body at cellular, organ, system and whole body levels.', 'Explain biological, psychological and social factors pertinent to understanding human development, health, illness and behaviour.', 'Describe common and important illnesses, conditions and disorders', 'Explain fundamental pathological processes and causes underlying specified illnesses and conditions.', 'Describe drug classes and identify the use and actions of drugs in these groups.\n\nTheme IV - Clinical Skills', 'Elicit and summarise a structured, comprehensive and logical history in simulated environments.', 'Perform and summarise an appropriate examination for specified systems in simulated environments.', 'Propose and justify the reasoning for a differential diagnosis (list) at a basic level for specified systems.', 'Competently perform specified clinical procedures and tasks in simulated environments.', 'Identify relevant investigations for specified problems or conditions.', 'Outline a basic management plan for specified common problems and conditions.', 'Use principles for effectively communicating medical information to patients in simulated settings.']</p>
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SCI4120	Students undertake a supervised research project in an area of science, and present the results in a seminar.	['Critically review the scientific literature in their specialist area of study;', 'Understand the processes involved in the design, development and implementation of a relevant research project;', 'Be able to complete and analyse a set of laboratory-based, computer-based, theoretical or other appropriate studies;', 'Be proficient in computer-based data acquisition (where appropriate), critical analysis of results, appropriate presentation, and scientific word processing;', 'Demonstrate communication skills in both oral and written presentations, including the ability to write and present scientific work in a potentially publishable way;', 'Have acquired a range of technical skills and attitudes appropriate to their specialist area of study;', 'Have demonstrated the capability to perform a variety of scientific procedures and techniques that are essential to the satisfactory completion and reporting of a research project;', 'Have demonstrated the potential to pursue higher studies and learning in the relevant area of study.']
FIT5170	This unit focuses on the design and programming techniques essential for developing distributed software systems and applications - with Java as the teaching language. The unit presents concurrent programming primitives and concepts for distributed systems. The unit also focuses on application of concurrent techniques in distributed system designs. Programming and implementation issues and techniques of distributed applications are studied. Enabling techniques for building distributed systems are analysed and evaluated. Distributed Software Patterns are presented. The unit also includes case studies of distributed programming paradigms and their applications (e.g. JINI, JavaSpaces).	['analyse critically and reflect on the concepts and characteristics of distributed and concurrent software;', 'Identify and evaluate common distributed and concurrent software designs;', 'design distributed software applications using typical distributed software architectures;', 'write distributed and concurrent software programs.']
LAW4304	This unit examines the interaction between science, medicine, technology and the law. It focuses on the issues that arise when experts give forensic evidence in legal proceedings. Each week experts will present lectures about their areas of expertise. Topics include:	['Identify and articulate the challenges presented and the tensions which arise when forensic evidence is tendered in legal proceedings;', 'Critically assess forensic evidence in a range of fields, in order to identify its strengths and weaknesses;', 'Recognise and reflect upon the ethical issues that may arise when forensic evidence is given in legal proceedings, and the professional responsibilities of lawyers in addressing these issues;', 'Demonstrate research skills and the reasoning and professional judgment required to formulate appropriate responses to complex legal problems involving forensic evidence;', 'Communicate effectively and persuasively on issues relating to forensic evidence;', 'Learn and work autonomously and use feedback to improve their own performance.']

AMG5894	<p>Students are provided with a general overview to various theories related to communications and media studies. With a pedagogical emphasis on inculcating reflexive practitioners. Theories discussed are in relation to the practices of journalism, organisational communication, public relations, advertising, and new media forms such as blogs and social networking sites.</p>	<p>['To develop awareness of the range of social and professional contexts in which communication occurs;'; 'To develop an understanding of communication as a set of practices and to identify common features within these practices;'; 'To introduce some of the major ways in which communication and media have been understood at a theoretical level;'; 'To consider the relation between theory and practice in the field of communication and an appreciation of how they can productively inform each other;'; 'To introduce communications and media studies as a basis for further graduate study and professional practice in the field.']</p>
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