

College of Health and Science

Electronic Postgraduate Handbook 2009

University of Western Sydney

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Information contained in this electronic handbook is correct at the time of production (September 2009), unless otherwise noted.

CRICOS Provider Code 00917K

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About the College of Health and Science Electronic Postgraduate Handbook

Sessions and dates

There are two main sessions in 2009: Autumn and Spring. Weeks shown in the dateline refer to the session weeks for these main sessions.

The dateline is available at:

<http://www.uws.edu.au/students/stuadmin/dateline>.

Unit outlines

Brief outlines of all UWS postgraduate units listed in the course section are given in the second half of this electronic handbook.

The unit outlines give a brief overview of each unit. For some units this information is not available. Please check the UWS website for more recent information. For more information – details of textbooks, assessment methods, tutorial, group work and practical requirements – contact the unit coordinator.

More information on unit offerings can be found at:

http://handbook.uws.edu.au/hbook/UNIT_SEARCH.ASP.

Unit not listed?

If the unit you are looking for is not in the alphabetical units section, consult your course coordinator for details or check the unit search web page for updated details on all units offered in 2009 at:

http://handbook.uws.edu.au/hbook/UNIT_SEARCH.ASP.

Prerequisites, co-requisites and assumed knowledge

Students wishing to enrol in a unit for which they do not have the prerequisites or assumed knowledge are advised to discuss their proposed enrolment with an academic adviser.

Where it is necessary to limit the number of students who can enrol in a unit through shortage of space, equipment, library resources, and so on, or to meet safety requirements, preference will be given to students who have completed the unit recommended sequence in the course.

Academic credit

In most courses, academic credit will be granted for previous studies. For example, UWS has a number of agreements with TAFE to grant credit for successfully completed TAFE studies. Seek advice about credit prior to, or at enrolment.

How to use this electronic book

The first part of this electronic book contains information about current College of Health and Science postgraduate courses. The next part contains details on current postgraduate units in these courses.

The courses are arranged mainly alphabetically. If you know the course code, but not the name, consult the COURSE CODE INDEX.

The units are arranged alphabetically. If you know the code, but not the name, consult the UNIT CODE INDEX at the back of the electronic book.

Tip:

The electronic handbook contains links. These can be accessed by clicking on the text highlighted in blue. To return to the previous screen, click on the green arrow at the bottom of the page.

Check website for updates

Every effort is taken to ensure that the information contained in this electronic book is correct at time of production. The latest information on course and unit offerings can be found at:

<http://handbook.uws.edu.au/hbook/>

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COLLEGE OF HEALTH AND SCIENCE

Master of Acupuncture

4611.2

The Master of Acupuncture is a dynamic, postgraduate course designed for acupuncturists and Traditional Chinese Medicine practitioners wishing to strengthen their knowledge of acupuncture and better integrate in the health care system. Students will have an opportunity to develop an evidence-based approach to practice and may choose to specialise in a nominated clinical field. The integration of acupuncture with orthodox medical management and/or diagnostics is incorporated into many units. The course will be delivered via structured intensive workshops with self-directed learning between workshops to allow maximum flexibility for busy practitioners.

Study Mode

Two years part-time. Students wishing to study full-time should contact the Head of Program or the School of Biomedical and Health Sciences for further details.

Advanced Standing

Applications for advanced standing will be assessed in accordance with current UWS policy.

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

The Master of Acupuncture will be open to qualified acupuncturists and practitioners of Traditional Chinese Medicine (acupuncture and herbal medicine) and other health practitioners holding a recognised undergraduate qualification (a minimum of a three year diploma that meets the requirements set out under the Australian Qualification Guidelines). Those applicants not holding an undergraduate qualification in acupuncture or Traditional Chinese Medicine (including overseas-trained or apprenticeship) will need to have gained recognition by an Australian professional association representing acupuncturists. In some cases additional relevant preliminary studies may be required.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Part-time

Year 1

H1

400567.1 Evidence Based Practice in Chinese Medicine 1

Specialist Unit 1

H2

400568.1 Evidence Based Practice in Chinese Medicine 2

Specialist Unit 2

Year 2

H1

Specialist Unit 3

Specialist Unit 4

H2

Specialist Unit 5

Specialist Unit 6

Full-time (available from 2007 onwards subject to demand)

Year 1

H1

400567.1 Evidence Based Practice in Chinese Medicine 1

Specialist Unit 1

Specialist Unit 2

Specialist Unit 3

H2

400568.1 Evidence Based Practice in Chinese Medicine 2

Specialist Unit 4

Specialist Unit 5

Specialist Unit 6

Specialist Units

Students will be required to complete six specialist units from the following pool. Please note: Not all units will be offered each year - refer to the published timetable to confirm availability.

400570.2 Women's Health in Chinese Medicine 1
400572.1 Dermatology in Chinese Medicine 1

- 400574.1** Musculoskeletal Health in Chinese Medicine 1
400575.1 Musculoskeletal Health in Chinese Medicine 2
400578.1 Advanced Acupuncture
400687.1 Chinese Medicine Specialities 1
400688.1 Mental Health in Chinese Medicine
400689.1 Neurological Disorders in Chinese Medicine

Graduate Diploma Exit Point

Students may exit with a Graduate Diploma in Acupuncture upon the successful completion of the following six units (60 credit points);

- 400567.1** Evidence Based Practice in Chinese Medicine 1
400568.1 Evidence Based Practice in Chinese Medicine 2

And four Specialist units (40 credit points) from the Master of Acupuncture Award.

Graduate Certificate Exit Point

Students may exit with a Graduate Certificate in Acupuncture upon the successful completion of any four units (40 credit points) from the Master of Acupuncture Award.

Graduate Diploma in Acupuncture

4612.2

Exit point only. Refer to Master of Acupuncture, course code 4611.

Study Mode

One and a half years part-time.

Course Structure

Students may exit with a Graduate Diploma in Acupuncture upon the successful completion of the following six units (60 credit points);

- 400567.1** Evidence Based Practice in Chinese Medicine 1
400568.1 Evidence Based Practice in Chinese Medicine 2

And four Specialist units (40 credit points) from the Master of Acupuncture Award.

Graduate Certificate in Acupuncture

4613.2

Exit point only. Refer to Master of Acupuncture, course code 4611.

Study Mode

One year part-time.

Course Structure

Students may exit with a Graduate Certificate in Acupuncture upon the successful completion of any four units (40 credit points) from the Master of Acupuncture Award.

Master of Building Surveying

2558.1

The course is designed to provide professionals with the skills and knowledge to assess, evaluate and recommend building solutions. The course caters for the growing need to understand performance based building code and fire safety engineering principles, is relevant to professionals developing alternative solutions using the Building Code of Australia and the Fire Engineering Guidelines.

Study Mode

Two years part-time in flexible mode.

Location

Campus	Attendance	Mode
Penrith Campus	Part Time	External

Admission

Applications to this course must be made through the Universities Admissions Centre (UAC). International applicants should contact UWS International for details on admission. Contact information for the International Office is available from the University's website.
<http://www.uws.edu.au/studyoptions>

Applicants must hold a degree, diploma in building surveying, or its equivalent in a relevant area of study, and relevant professional work experience in the field or a related profession. Candidates with an Associate Diploma in building, building surveying or related area must have at least four years relevant professional work experience in the field or a related profession. Applicants who do not meet these requirements will be considered for admission on the basis that they can demonstrate relevant professional work experience in the field or a related profession and the ability to undertake postgraduate study.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

Students with an engineering background :

200327.1	Built Environment Project
BG706A.1	Fire and Building Regulations
BG812A.1	Building Studies
BG814A.1	Development Control
EN804A.1	Fire Engineering Principles
EN808A.1	Building Engineering
PE804A.1	Fire Technology Principles
PE806A.1	Building Fire Services

Students with architecture or building background:

200327.1	Built Environment Project
BG706A.1	Fire and Building Regulations
BG812A.1	Building Studies
BG814A.1	Development Control
EN804A.1	Fire Engineering Principles
EN808A.1	Building Engineering
PE804A.1	Fire Technology Principles
PE806A.1	Building Fire Services

Graduate Diploma in Building Surveying**358S.1**

The course is designed to provide professionals with the skills and knowledge to assess evaluate and recommend building solutions. The course caters for the growing need to understand performance based building code and fire safety engineering principles, is relevant to professionals developing alternative solutions using the Building Code of Australia and the Fire Engineering Guidelines.

Study Mode

One year full-time or two years part-time

Location

Campus	Attendance	Mode
Penrith Campus	Part Time	External

Admission

Admission to this course is via UAC. International applicants should contact UWS International for details on admission. Contact information for the International Office is available from the University's website.
<http://www.uws.edu.au/studyoptions>

A degree or diploma in building, building surveying or its equivalent in a relevant area. Candidates with an Associate Diploma in a related area must have at least four years relevant professional work experience in the field or a related profession.

Course Structure

Qualification for this award requires the successful completion of 60 credit points including the units listed below.

Candidates must select appropriate set of units dependent on previous study in consultation with the course coordinator.

Students with an engineering background:

BG706A.1	Fire and Building Regulations
BG812A.1	Building Studies
BG814A.1	Development Control
EN804A.1	Fire Engineering Principles
PE804A.1	Fire Technology Principles

Students with a building background:

BG706A.1	Fire and Building Regulations
BG812A.1	Building Studies

BG814A.1	Development Control
EN804A.1	Fire Engineering Principles
EN808A.1	Building Engineering
PE804A.1	Fire Technology Principles

Master of Engineering**3623.2**

The Master of Engineering enables professionals in Engineering and Industrial Design and recent graduates to adapt to a dynamically developing and changing technological environment through the upgrading of their skills and knowledge. The course provides students with training opportunities to foster a culture of life-long learning. Graduates of the course will have a firm foundation to maintain their skills as their specialised professional field evolves.

Study Mode

One year full time or two years part-time.

Location

Campus	Attendance	Mode
Penrith Campus	Full Time	Internal
Penrith Campus	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admission Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre (UAC) website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Students must possess an undergraduate degree in Engineering

OR

An undergraduate degree in an engineering related field AND 1 yr FTE work experience in engineering

Course Structure

Qualification for this award requires the successful completion of xx credit points including the units listed below. All Master of Engineering students must complete the following four units.

300513.1	Engineering Software Applications
300206.1	Sustainable Design
300597.1	Master Project 1
300598.1	Master Project 2

Four 10 credit point Engineering Specialist Alternates
Students may choose any combination from the list. The sub-headings provide guidance to the area of engineering discipline of the units.

The Engineering Specialist alternates are as follows:

Civil

300605.1	Advanced Structural Design
300594.1	Advanced Structural Analysis
300595.1	Advanced Water Engineering
300604.1	Advanced Geotechnical Engineering

Environmental

MI807A.1	Water and Wastewater Microbiology
300595.1	Advanced Water Engineering
300604.1	Advanced Geotechnical Engineering
300602.1	Advanced Environmental Engineering

Computer

300603.1	Advanced Control Systems
300173.1	Advanced Data Networks
300174.1	Advanced Digital Systems
300196.1	Personal Communication Systems
300193.1	Multimedia Engineering
300515.1	Instrumentation and Measurement (PG)

Electrical

300603.1	Advanced Control Systems
300173.1	Advanced Data Networks
300197.1	Power System Planning and Economics
300596.1	Advanced Signal Processing
300601.1	Advanced Electrical Machines and Drives
300515.1	Instrumentation and Measurement (PG)

Telecommunications

300173.1	Advanced Data Networks
300174.1	Advanced Digital Systems
300193.1	Multimedia Engineering
300196.1	Personal Communication Systems
300596.1	Advanced Signal Processing
300515.1	Instrumentation and Measurement (PG)

Mechatronic

300599.1	Advanced Robotics
300600.1	Mechatronic System Design
300603.1	Advanced Control Systems
300601.1	Advanced Electrical Machines and Drives

Graduate Diploma in Engineering

3624.2

This is an exit award only. Students may choose to exit the Master of Engineering after completing 60 Credit Points with the degree of Graduate Diploma in Engineering.

The Graduate Diploma in Engineering provides an opportunity to professionals in Engineering and Industrial Design and recent graduates to adapt to a dynamically

developing and changing technological environment through the upgrading of their skills and knowledge. The course provides students with opportunities to foster a culture of life-long learning. Graduates of the course will have a foundation to maintain their skills as their specialised professional field evolves.

Admission

Graduate Diploma in Engineering will not be offered to commencing students. It will be made available only as an exit point for Master of Engineering students or for those intending to articulate from Graduate Certificate to Diploma.

Course Structure

The Graduate Diploma is a 60 Credit Point degree and it is completely embedded within the Master of Engineering. It has no prescribed sequence. Students are required to study:

300513.1	Engineering Software Applications
300206.1	Sustainable Design

Four 10 credit point Engineering Specialist Alternates

For a list of Engineering Specialist Alternates please refer to 3623 Master of Engineering.

Graduate Certificate in Engineering

3625.2

This course version will commence in Spring 2008.

The Graduate Certificate in Engineering enhances the specialist training of students at a postgraduate level and enables them to adapt to a dynamically developing and changing technological environment. The course also prepares students, especially those coming from a non-Australian learning background, for higher level postgraduate training.

Study Mode

Six months full-time or one year part-time.

Location

Campus	Attendance	Mode
Penrith Campus	Full Time	Internal
Penrith Campus	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills

Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have an Advanced Diploma in any discipline AND 3 yrs FTE work experience as an Engineer or Technical Supervisor

OR

An undergraduate degree in Science AND 1 yr FTE work experience in an engineering field

Course Structure

Qualification for this award requires the successful completion of 40 credit points including the units listed below.

300513.1 Engineering Software Applications
300206.1 Sustainable Design

Two 10 credit point Engineering Specialist Alternates
For a list of Engineering Specialist Alternates please refer to 3623 Master of Engineering.

Master of Fire Safety Engineering

2651.1

The offshore offering of this program in Singapore is no longer admitting students.

The course is designed to provide professionals with the skills and knowledge to assess, evaluate and recommend fire safety solutions. The course caters for the growing need to understand fire safety engineering principles, is relevant to professionals developing alternative solutions using the Building Code of Australia and the Fire Engineering Guidelines.

Study Mode

Two years part-time.

Location

Campus	Attendance Mode
Penrith Campus	Part Time External

Advanced Standing

Advanced Standing will be assessed in accordance with UWS policy.

Admission

Applications to this course must be made through the Universities Admissions Centre (UAC). International applicants should contact UWS International for details on admission. Contact information for the International Office is available from the University's website.
<http://sites.uws.edu.au/international>

Candidates must possess a degree in either building, architecture, engineering or science. Candidates without a degree but with an Associate Diploma in building or related area or full corporate membership of the Institute of Fire Engineers must have at least five years relevant professional work experience in the field or a related profession. Applicants with ten years post qualification experience and employment in a senior position will be considered for admission on the basis that they can

demonstrate the ability to undertake postgraduate study. This may involve a written submission and/or an interview or, alternatively, the submission of evidence of general or professional qualifications and experience.

Course Structure

Qualification for this award requires the successful completion of 80 credit points as per the recommended sequence below. The course structure comprises the following units. In some instances due to resource and demand, there may be a need to rearrange the pattern set down below.

Session 1

BG706A.1 Fire and Building Regulations
EN806A.1 Fire Engineering 1 (Fire Dynamics)

Session 2

BG810A.1 Fire Safety Systems 1 (Property)
PE806A.1 Building Fire Services

Session 3

PH703A.1 Fire Engineering 2 (Fire Models)
BG811A.1 Fire Safety Systems 2 (Life Safety)

Session 4

200328.3 Built Environment Research Project

Graduate Diploma in Fire Safety Engineering

2652.1

The course is designed to provide professionals with the skills and knowledge to assess, evaluate and recommend fire safety solutions. The course caters for the growing need to understand fire safety engineering principles, is relevant to professionals developing alternative solutions using the Building Code of Australia and the Fire Engineering Guidelines.

This course is also an exit award to 2651 Master of Fire Safety Engineering.

Study Mode

One and a half years part-time .

Location

Campus	Attendance Mode
Penrith Campus	Part Time External

Advanced Standing

Advanced Standing will be assessed in accordance with UWS policy.

Admission

Applications to this course must be made through the Universities Admissions Centre (UAC). International applicants should contact UWS International for details on

admission. Contact information for the International Office is available from the University's website.

<http://sites.uws.edu.au/international>

Applicants must hold a degree in building, architecture, science or engineering. Those without a degree may be considered for admission if they hold an Associate Diploma in building or related area or have full corporate membership of the Institute of Fire, including Engineers who have at least five years relevant professional work experience in the field or a related profession.

Applicants with ten years post qualification experience and employment in a senior position will be considered for admission on the basis that they can demonstrate the ability to undertake postgraduate study. This may involve a written submission and/or an interview or, alternatively, the submission of evidence of general or professional qualifications and experience.

Course Structure

Qualification for this award requires the successful completion of 60 credit points as per the recommended sequence below. All units are compulsory. The course structure comprises the following units. In some instances due to resource and demand considerations there may be a need to rearrange the pattern set down below.

Recommended Sequence

Year 1

Session 1

BG706A.1 Fire and Building Regulations
EN806A.1 Fire Engineering 1 (Fire Dynamics)

Session 2

BG810A.1 Fire Safety Systems 1 (Property)
PE806A.1 Building Fire Services

Year 2

Session 3

PH703A.1 Fire Engineering 2 (Fire Models)
BG811A.1 Fire Safety Systems 2 (Life Safety)

Graduate Certificate in Fire Safety Engineering

2653.1

The course introduces professionals to fire safety engineering principles and fire safety engineering. It is designed for professionals wishing to become familiar with the concept of fire safety solutions where the performance based Building Code of Australia and the Fire Engineering Guidelines have been used.

This course is also an exit award to 2651 Master of Fire Safety Engineering.

Study Mode

One year part-time. Full-time study is subject to negotiation and the Head of Program's approval.

Location

Campus	Attendance	Mode
Penrith Campus	Part Time	External

Advanced Standing

Advanced Standing will be assessed in accordance with UWS policy.

Admission

Applications to this course must be made through the Universities Admissions Centre (UAC). International applicants should contact UWS International for details on admission. Contact information for the International Office is available from the University's website.
<http://sites.uws.edu.au/international>

Degree, or its equivalent, in a relevant area of study. Applicants who do not hold a degree may be admitted if they hold a relevant Associate Diploma PLUS 4 years post completion relevant work experience OR if they can demonstrate significant relevant industry experience.

Applicants with ten years post qualification experience AND employment in a senior position will be considered for admission on the basis that they can demonstrate the ability to undertake postgraduate study. This may involve a written submission and/or an interview or, alternatively, the submission of evidence of general or professional qualifications and experience.

Course Structure

Qualification for this award requires the successful completion of 30 credit points as per the recommended sequence below. In some instances due to resource and demand considerations there may be a need to rearrange the pattern set down below.

Recommended Sequence

Session 1

BG706A.1 Fire and Building Regulations
EN806A.1 Fire Engineering 1 (Fire Dynamics)

Session 2

BG810A.1 Fire Safety Systems 1 (Property)

Graduate Diploma in Design for Bushfire Prone Areas

2714.1

This course will cater for the need to understand bushfires and their impact on the natural and built environment. The course will reflect the aims of the Federal Bushfire Cooperative Research Centre, which are "to develop a comprehensive and overarching understanding of the behaviour and danger of bushfires, given local differences in vegetation, land management and weather". Graduates will be able to assess and provide advice on developments in bushfire prone areas, develop alternative solutions based on their understanding of bushfires and their impact on the

natural and built environment and provide advice with respect to bushfire fighting techniques and emergency management.

Study Mode

18 months part-time.

Location

Campus	Attendance	Mode
Penrith Campus	Part Time	External

Advanced Standing

Advanced standings will be granted in accordance with UWS policy.

Accreditation

Accreditation will be sought from the Australian Building Codes Board (ABCB), Australian Institute of Building Surveyors (AIBS), Rural Fire Service and Planning NSW. (RFS)

Admission

Applications to this course must be made through the Universities Admissions Centre (UAC). International applicants should contact UWS International for details on admission. Contact information for the International Office is available from the University's website.

<http://sites.uws.edu.au/international>

A degree or equivalent in a relevant area of study. Applicants who do not hold a degree may be admitted if they hold a relevant Associate Diploma plus four years post completion relevant work experience. Applicants with ten years post qualification experience and employment in a senior position will be considered for admission on the basis that they can demonstrate the ability to undertake postgraduate study. This may involve a written submission and/or an interview or alternatively the submission of evidence of general or professional qualifications and experience.

Special Requirements

Assumed knowledge of Bushfire Behaviour unit is required.

Course Structure

Qualification for this award requires the successful completion of 60 credit points as per the recommended sequence below.

Core Units

Semester 1

200457.2	Bushfire Behaviour
200500.1	Bushfire Fighting

Semester 2

200458.1	Building in Bushfire Prone Areas
200498.1	Planning for Bushfire Prone Areas

Semester 3

200459.1	Emergency Management for Bushfire Prone Areas
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200499.1	Alternative Solutions for Bushfire Prone Areas
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Master of Health Science

4651.1

Areas of relevance to health employees in the public or private sector form the foundation subjects of this course: Health Policy; Leadership; Health Economics and Financial Management; Research Applications.

A choice of specialisations is offered: Aged Care Management; Health Planning; Health Services Management; Health Promotion; International Health; Occupational Health & Safety; Occupational & Environmental Hygiene; Research Studies.

A generic option is also available. (Students supplement the foundation subjects by choosing their remaining subjects from a pool).

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have either:

an undergraduate degree in a health, welfare or aged care discipline

OR

a graduate diploma or graduate certificate in a health, welfare or aged care discipline PLUS at least 3 years work experience in a health, welfare or aged care discipline.

Course Structure

Specialisations

ST4000.1	Health Services Management
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This specialty is designed for managers who require skills in contemporary management and their application in the health care setting. Particular emphasis is placed on critical and analytic skills in policy analysis, economic evaluation and epidemiology, thus providing graduates with the ability to respond creatively to changes as they arise. Health managers need to be current with developments in the general business area so potential in the health care setting can be evaluated and appropriate initiatives implemented. Particular specialty units include Strategy Analysis, Decision Making Human Resource Management, also Quality and Safety in Health Care.

ST4001.1 Aged Care Management

This specialty is offered in external mode which means all units are web based. Staff working in health and aged care organisations, charitable and private sectors especially those in supervisory and management positions will find this exposes them to contemporary issues in aged care, allowing them to up-skill management knowledge to position themselves in the forefront of innovation in the delivery and organisation of quality aged care. Specialty units include Health and Socio-Political Issues in Aged Care, Leadership in Quality & Safety in Health Care and Health Workforce Planning. They have an opportunity to undertake Professional Topic or an elective. Judicious selection of an elective means students can study in a second specialty area eg Health Planning, Health Services Management or Human Resources and Industrial Relations Management.

ST4002.1 Health Planning

All managers undertake forward planning to proactively manage future services and identify workforce and facility requirements. This specialty keeps students up to date with current forward planning approaches and initiatives in health and other sectors that work with health. Students are exposed to the process of planning, how to set goals and objectives, monitor and evaluate performance outcomes. Current issues are explored in the specialty units Health Services and Facilities Planning, Workforce Planning and also Quality and Safety in Health Care. Second specialty options include Health Services management, Human Resources and Industrial Relations Management and Aged Care Management.

ST4003.1 International Health

This specialty broadens the public health approach of looking at all determinants of health, which include broader social and environmental factors in addition to physical risk factors to include international health studies. For this, students will study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. The focus of practical skills is in Communicable Diseases, and students will integrate research, analytical and practical skills in the evaluation of contemporary public health issues. A double specialty is possible with the health promotion specialty.

ST4004.1 Health Promotion

In addition to the four core units, this specialty includes Health Promotion Health Advancement and A Global Perspective on Social Determinants of Health. Students are taken through the process of health needs analysis, risk

and protective factors, planning, writing grant applications and evaluating interventions, based on identified competency requirements.

ST4005.1 Occupational Health & Safety

Specialty units include Occupational Health Management and Safety and Risk Management which focus on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. The legal underpinning of OHS requirements at the workplace are also covered. A double specialty with the next option is possible. Students may select two electives to suit their career aspirations.

ST4006.1 Occupational & Environmental Hygiene

The specialty includes the units Occupational and Environmental Hygiene also Air Water and Noise Management. They show students the methods involved in measuring potential hazards, how to compare results with current standards before recommending methods of control. Hazards such as chemical and biological pollutants, ergonomics, noise, heat, cold and lighting in both the workplace and general indoor environment, and the various methods are considered. A range of skills required to assess the environment in relation to air, water and noise and underpinning legislative framework are explored.

ST4007.1 Human Resource Management and Industrial Relations

The Human Resource Management and Industrial Relations Specialisation will no longer be offered from 2009. This specialisation is designed for graduates who wish to contribute to human resource management and industrial relations in the health sector, but also equips line managers and senior managers with the requisite knowledge of problems and processes to tackle people issues effectively and strategically. HRM, IR and Dynamics of the Workplace Environment are the specialty units studied to develop understanding of these key functional areas. Students also have scope to choose an elective unit from a pool unit that suits their particular career demands or interests (such as human resource development, work and society, or law).

ST4008.1 Operations Management

The Operations Management Specialisation will no longer be offered from 2009.

The main objective of this specialty is to see the role of operations, as an important element of corporate strategy and a means of enhancing customer value in an organisation. Specialty units include Operations Management which covers a range of quantitative techniques to analyse problems and make recommendations for future action. A series of cases provide simulated experience in the management of operations. Management of Quality provides an introduction to quality management principles, quality management

systems and the quality tools and techniques needed for creating customer value and improving competitiveness and organisational effectiveness. Students may select two electives to suit their career aspirations.

ST4009.1 Marketing

The Marketing Specialisation will no longer be offered from 2009.

This specialty is designed to expose graduates to the diverse fields of marketing in industry, commerce and in not-for-profit and government organisations. Marketing is a major source of organisational revenues and is as a key contributor to organisational performance. Participants are exposed to the broad and dynamic field of marketing, providing knowledge which is critical to graduate capability in marketing roles in contemporary and emergent organisations. The specialty includes units in Marketing Behaviour and Buyer Behaviour and two electives provide wide scope for further studies in areas of individual interest.

Master of Health Science (generic option)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended sequence

Full-time (Start year intake)

Autumn session

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care

Two units chosen from the prescribed list of health science units below

Students may exit with a Graduate Certificate in Health Science at this point.

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science at this point.

One unit chosen from the prescribed list of health science units below

Choose one of

- 400850.1** Professional Topic

Elective

Part-time (Start year intake)

Year 1

Autumn session

- 400846.2** Building Organisational Capacity in Health Care

Choose one of

- 400416.1** Public Health, Policy and Society
400238.2 Policy, Power and Politics in Health Care Provision

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Certificate in Health Science at this point.

Year 2

Autumn session

Two units chosen from the prescribed list of health science units below

Students may exit with a Graduate Diploma in Health Science at this point.

Spring session

One unit chosen from the prescribed list of health science units below

Choose one of

- 400850.1** Professional Topic

Elective

Full-time (Mid-year intake)

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

One unit chosen from the prescribed list of health science units below

Choose one of

- 400850.1** Professional Topic

Elective

Autumn session

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care

Two units chosen from the prescribed list of health science units below

Part-time (Mid-year intake)

Year 1

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Autumn session

- 400416.1** Public Health, Policy and Society

Two unit chosen from the prescribed list of health science units below

Year 2**Spring session**

One unit chosen from the prescribed list of health science units below

Choose one of

400850.1 Professional Topic

Elective

Autumn session

400846.2 Building Organisational Capacity in Health Care

One unit chosen from the prescribed list of health science units below

Prescribed list of health science units

- 300391.1** Occupational Health Management
- 300398.1** Methods of Researching
- 300677.1** Safety and Risk Management
- 300682.1** Occupational and Environmental Hygiene
- 400418.1** Health Advancement and Health Promotion
- 400837.2** Health and Socio-political Issues in Aged Care
- 400777.2** Leadership for Quality and Safety in Health Care
- 400843.1** Health Workforce Planning
- 400840.1** Communicable Diseases
- 400841.1** A Global Perspective on Social Determinants of Health
- 400844.1** Health Services and Facilities Planning
- 400845.1** Health Financial Management
- 400850.1** Professional Topic

Graduate Diploma in Health Science**4652.1**

Areas of relevance to health employees in the public or private sector form the foundation subjects of this course: Health Policy; Leadership; Health Economics and Financial Management; Research Applications. Choice of specialisations is offered: Aged Care Management; Health Planning; Health Services Management; Health Promotion; International Health; Occupational Health & Safety; Occupational & Environmental Hygiene; Research Studies. A generic option is also available. (Students supplement the foundation subjects by choosing their remaining subjects from a pool).

Study Mode

One year full-time or 18 months part-time

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal

Campus Attendance Mode

Parramatta Campus Part Time Internal

Admission

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have either:

an undergraduate degree in a health, welfare or aged care discipline

OR

an undergraduate degree in any discipline PLUS at least 2 years work experience in a health, welfare or aged care discipline

OR

a graduate diploma or graduate certificate in a health, welfare or aged care discipline PLUS at least 2 years work experience in a health, welfare or aged care discipline.

Course Structure**Specialisations**

ST4000.1 Health Services Management

This specialty is designed for managers who require skills in contemporary management and their application in the health care setting. Particular emphasis is placed on critical and analytic skills in policy analysis, economic evaluation and epidemiology, thus providing graduates with the ability to respond creatively to changes as they arise. Health managers need to be current with developments in the general business area so potential in the health care setting can be evaluated and appropriate initiatives implemented. Particular specialty units include Strategy Analysis, Decision Making Human Resource Management, also Quality and Safety in Health Care.

ST4001.1 Aged Care Management

This specialty is offered in external mode which means all units are web based. Staff working in health and aged care organisations, charitable and private sectors especially those in supervisory and management positions will find this exposes them to contemporary issues in aged care, allowing them to up-skill management knowledge to position themselves in the forefront of innovation in the delivery and organisation of quality aged care. Specialty units include Health and Socio-Political Issues in Aged Care, Leadership in Quality & Safety in Health Care and Health Workforce Planning. They have an opportunity to undertake Professional Topic or an elective. Judicious selection of an elective means students can study in a

second specialty area eg Health Planning, Health Services Management or Human Resources and Industrial Relations Management.

ST4002.1 Health Planning

All managers undertake forward planning to proactively manage future services and identify workforce and facility requirements. This specialty keeps students up to date with current forward planning approaches and initiatives in health and other sectors that work with health. Students are exposed to the process of planning, how to set goals and objectives, monitor and evaluate performance outcomes. Current issues are explored in the specialty units Health Services and Facilities Planning, Workforce Planning and also Quality and Safety in Health Care. Second specialty options include Health Services management, Human Resources and Industrial Relations Management and Aged Care Management.

ST4003.1 International Health

This specialty broadens the public health approach of looking at all determinants of health, which include broader social and environmental factors in addition to physical risk factors to include international health studies. For this, students will study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. The focus of practical skills is in Communicable Diseases, and students will integrate research, analytical and practical skills in the evaluation of contemporary public health issues. A double specialty is possible with the health promotion specialty.

ST4004.1 Health Promotion

In addition to the four core units, this specialty includes Health Promotion Health Advancement and A Global Perspective on Social Determinants of Health. Students are taken through the process of health needs analysis, risk and protective factors, planning, writing grant applications and evaluating interventions, based on identified competency requirements.

ST4005.1 Occupational Health & Safety

Specialty units include Occupational Health Management and Safety and Risk Management which focus on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. The legal underpinning of OHS requirements at the workplace are also covered. A double specialty with the next option is possible. Students may select two electives to suit their career aspirations.

ST4006.1 Occupational & Environmental Hygiene

The specialty includes the units Occupational and Environmental Hygiene also Air Water and Noise Management. They show students the methods involved in measuring potential hazards, how to compare results with current standards

before recommending methods of control. Hazards such as chemical and biological pollutants, ergonomics, noise, heat, cold and lighting in both the workplace and general indoor environment, and the various methods are considered. A range of skills required to assess the environment in relation to air, water and noise and underpinning legislative framework are explored.

ST4007.1 Human Resource Management and Industrial Relations

The Human Resource Management and Industrial Relations Specialisation will no longer be offered from 2009. This specialisation is designed for graduates who wish to contribute to human resource management and industrial relations in the health sector, but also equips line managers and senior managers with the requisite knowledge of problems and processes to tackle people issues effectively and strategically. HRM, IR and Dynamics of the Workplace Environment are the specialty units studied to develop understanding of these key functional areas. Students also have scope to choose an elective unit from a pool unit that suits their particular career demands or interests (such as human resource development, work and society, or law).

ST4008.1 Operations Management

The Operations Management Specialisation will no longer be offered from 2009.

The main objective of this specialty is to see the role of operations, as an important element of corporate strategy and a means of enhancing customer value in an organisation. Specialty units include Operations Management which covers a range of quantitative techniques to analyse problems and make recommendations for future action. A series of cases provide simulated experience in the management of operations. Management of Quality provides an introduction to quality management principles, quality management systems and the quality tools and techniques needed for creating customer value and improving competitiveness and organisational effectiveness. Students may select two electives to suit their career aspirations.

ST4009.1 Marketing

The Marketing Specialisation will no longer be offered from 2009.

This specialty is designed to expose graduates to the diverse fields of marketing in industry, commerce and in not-for-profit and government organisations. Marketing is a major source of organisational revenues and is as a key contributor to organisational performance. Participants are exposed to the broad and dynamic field of marketing, providing knowledge which is critical to graduate capability in marketing roles in contemporary and emergent organisations. The specialty includes units in Marketing Behaviour and Buyer Behaviour and two electives provide wide scope for further studies in areas of individual interest.

Graduate Diploma in Health Science (generic option)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Recommended sequence

Generic Option

Full-time (Start year intake)

Autumn session

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care

Two units chosen from the prescribed list of health science units

Students may exit with a Graduate Certificate in Health Science at this point.

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Part-time (Start year intake)

Year 1

Autumn session

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Students may exit with a Graduate Certificate in Health Science at this point.

Year 2

Autumn session

Two units chosen from the prescribed list of health science units

Prescribed list of health science units

300391.1	Occupational Health Management
300398.1	Methods of Researching
300677.1	Safety and Risk Management
300682.1	Occupational and Environmental Hygiene
400418.1	Health Advancement and Health Promotion
400837.2	Health and Socio-political Issues in Aged Care
400840.1	Communicable Diseases
400841.1	A Global Perspective on Social Determinants of Health
400843.1	Health Workforce Planning
400844.1	Health Services and Facilities Planning
400845.1	Health Financial Management
400850.1	Professional Topic

Graduate Certificate in Health Science

4653.1

The Graduate Certificate in Health Science is available as a generic option. Students supplement the foundation subjects by choosing their remaining subjects from a pool.

Study Mode

6 months full-time. Part-time not available

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Full Time	Internal

Admission

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have either:

an undergraduate degree in a health, welfare or aged care discipline

OR

a graduate diploma or graduate certificate in any discipline PLUS at least 2 years work experience in a health, welfare or aged care discipline

OR

(for non-graduates) at least 3 years work experience in a health, welfare or aged care environment.

Course Structure

Graduate Certificate in Health Science (generic option)

Qualifications for this award requires the successful completion of 40 credit points, including the units listed in the recommended sequence below.

Recommended Sequence

Generic Option

Full-time (Start year intake)

Autumn session

400416.1	Public Health, Policy and Society
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400846.2 Building Organisational Capacity in Health Care

Choose two units from the prescribed list of health science units below

Prescribed list of health science units

300391.1	Occupational Health Management
300398.1	Methods of Researching
300677.1	Safety and Risk Management
300682.1	Occupational and Environmental Hygiene
400418.1	Health Advancement and Health Promotion
400837.2	Health and Socio-political Issues in Aged Care
400840.1	Communicable Diseases
400841.1	A Global Perspective on Social Determinants of Health
400777.2	Leadership for Quality and Safety in Health Care
400843.1	Health Workforce Planning
400844.1	Health Services and Facilities Planning
400845.1	Health Financial Management
400850.1	Professional Topic

Part-time (Start year intake)**Autumn session**

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Master of Information and Communications Technology**3642.1**

The Master of Information and Communications Technology (Advanced) (MICT (Advanced)) course is a two year full-time/four year part-time course. It has three nested awards - Master of Information and Communications Technology, Postgraduate Diploma in Information and Communications Technology and Postgraduate Certificate in Information and Communications Technology - with exits available after completion of 8, 6 and 4 units respectively.

Completion of eight units will lead to the Master of Information and Communications Technology (MICT): a) as a generic degree; or b) with specialisation program in Web Engineering; or c) with specialisation program in Networking.

Completion of six units will lead to a Postgraduate Diploma in Information and Communications Technology, and completion of four units will lead to a Postgraduate Certificate in Information and Communications Technology.

The course has been designed to prepare computing professionals and recent graduates for work in the information and communications technology sector at the highest levels in today's highly globalised and networked

environment. It will provide students with the knowledge, understanding and skills to enable them to deal effectively with advanced issues in information and communications technologies in general, and in the fields of Web engineering and networking in particular. Graduates of the course should possess a solid foundation that will allow them to maintain their skills as their specialised fields evolve.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Eligibility for admission to the Master of Information and Communications Technology is based on the following requirements:

A bachelor degree in a computing discipline equivalent to an Australian degree

OR

A bachelor degree in any non-computing discipline equivalent to an Australian degree plus a graduate diploma in a computing discipline

OR

A bachelor degree in any non-computing discipline with a minimum of three years' relevant experience in ICT as judged by the School according to the criteria set for the recognition of prior learning (RPL).

Course Structure

Qualification for this award requires the successful completion of eight units including the units listed below.

Two core units

At least four units at the postgraduate level from those offered by the School of Computing and Mathematics, in either the generic specialisation or from the Web Engineering or Networking Specialisations, as listed below

Up to two units, at postgraduate level, offered by other Schools within the College of Health and Science or other Colleges as approved by the School from time to time

Common Core (20 credit points)

- 300695.1** Network Technologies
300693.1 Web Technologies

Non-specialisation (Generic) program

ICT units offered by the School of Computing and Mathematics (minimum 40 credit points - at least four of the following)

- 300252.1** Advanced Topics in Networking
300255.1 Network Management
300256.1 Multimedia Communication Systems
300260.1 IT Project Management
300389.1 Wireless Networking
300437.1 XML and Web Services
300443.1 Web Engineering
300692.1 Workflow Management Systems
300694.1 Advanced Topics in ICT
300696.1 Systems and Network Security
300697.1 Content Management Systems & Web Analytics

With approval of Head of Program:

- 300238.1** Computing Research Project A

Non-specialisation (Generic) program

Units offered by other Schools or Colleges within UWS (maximum 20 credit points - at most two of the following)

- Research Methods
 Business Process Management
 Enterprise Resource Planning
 Business Process Integration

Web Engineering Specialisation (an additional 40 credit points)

- ST3006.1** Web Engineering

Networking Specialisation (an additional 40 credit points)

- ST3007.1** Networking

Master of Information and Communications Technology (Advanced)**3641.1**

The Master of Information and Communications Technology (Advanced) (MICT (Advanced)) course is a two year full-time/four year part-time course. It has three nested awards - Master of Information and Communications Technology, Postgraduate Diploma in Information and Communications Technology and Postgraduate Certificate in Information and Communications Technology - with exits available after completion of 8, 6 and 4 units respectively. Completion of eight units will lead to Master of Information and Communications Technology (MICT): a) as a generic degree; or b) with specialisation program in Web

Engineering; or c) with specialisation program in Networking.

Completion of six units will lead to a Postgraduate Diploma in Information and Communications Technology, and completion of four units will lead to a Postgraduate Certificate in Information and Communications Technology.

The course has been designed to prepare computing professionals and recent graduates for work in the information and communications technology sector at the highest levels in today's highly globalised and networked environment. It will provide students with the knowledge, understanding and skills to enable them to deal effectively with advanced issues in information and communications technologies in general, and in the fields of Web Engineering and Networking in particular. Graduates of the course should possess a solid foundation that will allow them to maintain their skills as their specialised fields evolve.

Study Mode

Two years full-time or four years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS. Eligibility for admission to the Master of Information and Communications Technology (Advanced) is based on the following requirements:

A bachelor degree in computing discipline equivalent to an Australian degree

OR

A bachelor degree in any non-computing discipline equivalent to an Australian degree plus a graduate diploma in computing discipline

OR

A bachelor degree in any non-computing discipline with a minimum of three years' relevant experience in ICT as judged by the School according to the criteria set for the recognition of prior learning (RPL).

Course Structure

Qualification for this award requires the successful completion of 16 units as per the recommended sequence below.

Two core units.

At least 10 units at the postgraduate level from those offered by the School of Computing and Mathematics, as listed below.

Up to four units, at postgraduate level, offered by other Schools within the College of Health and Science or other Colleges as approved by the School from time to time

Common Core

- 300695.1** Network Technologies
300693.1 Web Technologies

Non-specialisation (Generic) program

ICT units offered by the School of Computing and Mathematics (minimum 100 credit points - at least 10 of the following)

- 300252.1** Advanced Topics in Networking
300255.1 Network Management
300256.1 Multimedia Communication Systems
300260.1 IT Project Management
300389.1 Wireless Networking
300437.1 XML and Web Services
300443.1 Web Engineering
300692.1 Workflow Management Systems
300694.1 Advanced Topics in ICT
300696.1 Systems and Network Security
300697.1 Content Management Systems & Web Analytics

With approval of Head of Program:

- 300238.1** Computing Research Project A

Complementary program

Units offered by other Schools or Colleges within UWS (maximum 40 credit points - at most 4 of the following)

Research Methods

Business Process Management

Enterprise Resource Planning

Business Process Integration

Units from Engineering, Health and other disciplines subject to the approval by the Head of School or Head of Program.

Postgraduate Diploma in Information and Communications Technology

3643.1

The Postgraduate Diploma in ICT addresses the needs of the working professionals in ICT areas. We recognise that ICT professionals have clear goals and career paths in mind and hence are focused on improving their expertise in the areas that they choose rather than go through a fully pre-designed course. The two core units, Network Technologies and Web Technologies strongly address

today's highly globalised and networked environment. The remaining four units can be freely chosen from those on offer to suit student's own background and future plans.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS Eligibility for admission to the Postgraduate Diploma in Information and Communications Technology is based on the following requirements:

A bachelor degree in a computing discipline equivalent to an Australian degree

OR

A bachelor degree in any non-computing discipline equivalent to an Australian degree plus a graduate diploma in a computing discipline

OR

A bachelor degree in any non-computing discipline with a minimum of three years' relevant experience in ICT as judged by the School according to the criteria set for the recognition of prior learning (RPL).

Course Structure

Qualification for this award requires the successful completion of six units including the units listed below.

Two core units

Any four of the units at postgraduate level, offered by the School of Computing and Mathematics, from the generic specialisation or from the Web Engineering or Networking Specialisations, as listed below.

Common Core (20 credit points)

- 300695.1** Network Technologies
300693.1 Web Technologies

Non-key (Generic) program

ICT units offered by the School of Computing and Mathematics (40 credit points – any four (4) of the following)

300252.1	Advanced Topics in Networking
300255.1	Network Management
300256.1	Multimedia Communication Systems
300260.1	IT Project Management
300389.1	Wireless Networking
300437.1	XML and Web Services
300443.1	Web Engineering
300692.1	Workflow Management Systems
300694.1	Advanced Topics in ICT
300696.1	Systems and Network Security
300697.1	Content Management Systems & Web Analytics

With approval of Head of Program:

300238.1	Computing Research Project A
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Web Engineering Specialisation

(an additional 40 credit points)

ST3006.1	Web Engineering
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Networking Specialisation

(an additional 40 credit points)

ST3007.1	Networking
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Postgraduate Certificate in Information and Communications Technology

3644.1

The Postgraduate Certificate in ICT addresses the needs of busy ICT professionals who have clear goals and career paths in mind.

Study Mode

Six months full-time or one year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Eligibility for admission to the Postgraduate Certificate in Information and Communications Technology is based on the following requirements:

A bachelor degree in a computing discipline equivalent to an Australian degree

OR

A bachelor degree in any non-computing discipline equivalent to an Australian degree plus a graduate diploma in a computing discipline

OR

A bachelor degree in any non-computing discipline with a minimum of three years' relevant experience in ICT as judged by the School according to the criteria set for the recognition of prior learning (RPL).

Course Structure

Qualification for this award requires the successful completion of four units including the units listed below.

Two core units

Any two (2) of the units at postgraduate level offered by the School of Computing and Mathematics, as listed below

Common Core (20 credit points)

300695.1	Network Technologies
300693.1	Web Technologies

Non-specialisation (Generic) program

ICT units offered by the School of Computing and Mathematics (20 credit points – any two (2) of the following)

300252.1	Advanced Topics in Networking
300255.1	Network Management
300256.1	Multimedia Communication Systems
300260.1	IT Project Management
300389.1	Wireless Networking
300437.1	XML and Web Services
300443.1	Web Engineering
300692.1	Workflow Management Systems
300694.1	Advanced Topics in ICT
300696.1	Systems and Network Security
300697.1	Content Management Systems & Web Analytics

With approval of Head of Program:

300238.1	Computing Research Project A
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Graduate Diploma in Information and Communications Technology

3645.1

Graduate Diploma in ICT is a one-year full-time or two-years part-time course designed to open a pathway for non-ICT graduates, with or without professional experience in ICT field, to study ICT at master's level after the completion of the course.

Anecdotal evidence suggests that more than 80% of the ICT workforce have not had university-level qualifications in ICT. For such people, the Graduate Diploma offers a formal training in the theoretical aspects of ICT and thus a solid

base from which to continue their progression in the ICT field. They will also benefit from the University's policies on recognition of prior learning (RPL) by allowing a matching of an individual's professional experience against specific units that form part of GradDipICT. The level of knowledge covered during this course also enables it to stand on its own, to suit an individual career path or specific needs of an industry.

The inexperienced non-ICT students will be able to forge a career in ICT. GradDipICT has an exit point, Graduate Certificate in ICT, which requires completion of any four of the eight units prescribed for the diploma. Fee-help will be available under SECT guidelines to the local students.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Accreditation

Accreditation will be sought at Associate Level for Graduate Diploma in ICT with the Australian Computer Society and at the Associate Level for the Graduate Certificate Computing.

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

UAC

International applicants must apply directly to the University of Western Sydney via UWS International.

UWS International
Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Eligibility for admission to the Graduate Diploma in Information and Communications Technology is based on the following requirements:

* An undergraduate degree in any discipline

Course Structure

Qualification for this award requires the successful completion of eight units including the units listed below.

Autumn session

300580.1	Programming Fundamentals
300585.1	Systems Analysis and Design
300582.1	Technologies for Web Applications
300578.1	Professional Development

Spring session

300565.1	Computer Networking
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300144.2	Object Oriented Analysis
300104.1	Database Design and Development
300570.2	Human-Computer Interaction

To graduate with the Graduate Certificate in Information and Communications Technology, a student must complete a total of any four units from the list above.

Graduate Certificate in Information and Communications Technology

3646.1

Anecdotal evidence suggests that more than 80 percent of the ICT workforce have not had university-level qualifications in ICT. For such people, the Graduate Diploma offers a formal training in the theoretical aspects of ICT and thus a solid base from which to continue their progression in the ICT field. They will also benefit from the University's policies on recognition of prior learning (RPL) by allowing a matching of an individual's professional experience against specific units that form part of GradDipICT. The level of knowledge covered during this course also enables it to stand on its own, to suit an individual career path or specific needs of an industry.

The inexperienced non-ICT students will be able to forge a career in ICT. GradDipICT has an exit point, Graduate Certificate in ICT, which requires completion of any four of the eight units prescribed for the diploma. Fee-help will be available under SECT guidelines to the local students.

Study Mode

Six months full-time or one year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

UAC

International applicants must apply directly to the University of Western Sydney via UWS International.

UWS International
Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS
Eligibility for admission to the Graduate Certificate in Information and Communications Technology is based on the following requirements:

* An undergraduate degree in any discipline

Course Structure

Qualification for this award requires the successful completion of four units including the units listed below.

Autumn session

300580.1	Programming Fundamentals
300585.1	Systems Analysis and Design
300582.1	Technologies for Web Applications
300578.1	Professional Development

Spring session

300565.1	Computer Networking
300144.2	Object Oriented Analysis
300104.1	Database Design and Development
300570.2	Human-Computer Interaction

Graduate Diploma in Professional Computing

3512.2

This one year course is especially designed to enable graduates of the Bachelor of Technology (Information Technology Support), or an equivalent para-professional computing or information technology bachelors degree, to upgrade their qualifications to a professional level. Students successfully completing this diploma will be eligible for admission to the Australian Computer Society at professional level. Graduating students are also eligible for admission to postgraduate computing and information technology courses at masters level. The course extends skills, knowledge and experience gained in the B Tech (Information Technology Support) in the key areas of programming; systems analysis and design; data communications and networking; and Internet application design and implementation.

Study Mode

Full-time over two sessions (one year), principally on Penrith campus. From time to time some units may only be offered at Campbelltown or Parramatta campuses.

Location

Campus	Attendance	Mode
Penrith Campus	Full Time	Internal

Accreditation

On satisfactory completion of this degree, students are eligible for admission to the Australian Computer Society as a Member.

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS. Eligibility for admission to the Graduate Diploma of Professional Computing is based on the following requirements:

* An undergraduate degree in Bachelor of Technology (Information Technology Support)

OR

* An equivalent undergraduate para-professional Computing or Information Technology degree.

Course Structure

Recommended Sequence

Qualification for this award requires the successful completion of 80 credit points as per the recommended sequence below.

Full-time

Year 1

Autumn session

300125.2	Fundamentals of Computer Science
300144.2	Object Oriented Analysis
300160.2	Software Interface Design
300095.2	Computer Networks and Internets

Spring session

300103.1	Data Structures and Algorithms
300146.2	Object Oriented Design
300104.1	Database Design and Development
300085.2	Advanced Web Site Development

Master of Nursing

4540.2

The aim of the Master of Nursing course is to produce a graduate who can undertake leadership and mentoring roles, in multiple settings, facilitate research activity and participate significantly in management activities. The graduate will also be expected to be capable of abstract thought, critical analysis and the synthesis of ideas.

The course encourages critical examination of issues such as existing nursing knowledge, the evidence based perspective of practice, the measurement of outcomes and the consumer movement. Leadership skills and the study of the relationship between research, knowledge and practice are key components of the course.

Collaborative relationships and partnerships between nurses, multidisciplinary colleagues and stakeholders in the nursing care service are highly valued elements of the course. Students are challenged to conceptualise and

articulate the unique contribution of nursing to health and health care settings, to ask difficult questions and actively seek their answers.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance Mode	
Hong Kong	Part Time	Internal
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Advanced Standing

Students who have successfully completed a Graduate Diploma in Nursing (Specialisation) from UWS will be eligible for advanced standing for four units offered in the Masters program. Advanced standing will also be given to applicants with Graduate Diploma awards from other universities but these will be individually assessed.

Students with only a Graduate Certificate in Nursing will enter the Master of Nursing course on successful completion of a Graduate Diploma in Nursing.

Students with only a Bachelor of Nursing award will not normally be considered for advanced standing. They have the option to enrol in the Graduate Certificate (Specialisation) courses or, having gained one year's clinical experience, may enrol in the Master of Nursing course.

Accreditation

While the NSW Nurses and Midwives Board of NSW and the NSW Nurses' Association encourage nurses to pursue appropriate postgraduate educational opportunities, professional certification or registration of nurses with this award is not required.

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have

Registration as a nurse or midwife under the Register of Nurses and Midwives Board NSW or eligibility for same
AND

Bachelor of Nursing, Bachelor of Health Science (Nursing)
OR

5 yrs FTE recent (within the last 10 years) professional working experience

International registered nurses who;

- meet registration requirements in their own country;
- satisfy the University's requirements for English language competency ; and
- meet the other criteria (see above)

will be eligible for admission.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Full-time

Year 1

Autumn session

- 400200.2** Applied Nursing Research
- 400235.2** Leadership in Clinical Practice
- 400774.2** Perspectives on Nursing

And one elective

Spring session

- 400210.2** Health Promotion and the Nurse
- 400236.2** Nursing Development Project

And one elective

Part-time

Year 1

Autumn session

- 400200.2** Applied Nursing Research
- 400774.2** Perspectives on Nursing

Spring session

- 400210.2** Health Promotion and the Nurse

And one elective

Year 2

Autumn session

- 400235.2** Leadership in Clinical Practice

And one elective

Spring session

- 400236.2** Nursing Development Project

Graduate Diploma

Students may exit with a Graduate Diploma in Nursing, upon the successful completion of the following six units (60 credit points):

- 400200.2** Applied Nursing Research

400210.2 Health Promotion and the Nurse
400235.2 Leadership in Clinical Practice
400774.2 Perspectives on Nursing

And two electives

Graduate Diploma in Nursing

4541.2

Exit point only. Refer to Master of Nursing, course code 4540.

Master of Nursing

Study Mode

Students may exit with a Graduate Diploma in Nursing upon successful completion of six units (60 credit points) from the Masters award. This course is offered via Distance Education or on campus in Hong Kong only.

Master of Nursing (Child and Family Health - Karitane)

4649.1

The aim of the Master in Nursing (Child & Family Health – Karitane) is to provide Registered Nurses and Registered Midwives with theoretical knowledge and associated skills that prepare them to work autonomously and across a variety of clinical settings with children and families. Graduates will be able to apply advanced nursing concepts and analysis and lead nursing practice to promote optimal health outcomes for children and families. This will involve among other things, design, implementation and evaluation of advanced clinical nursing care systems, analysis and synthesis of nursing concepts leading to a basis for advanced nursing practice and the facilitation of change.

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Part Time	External

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have:

Registration of a nurse or midwife under the Register of Nurses and Midwives Board NSW, or eligibility for same
AND

Successful completion of a Bachelor of Nursing, Bachelor of Midwifery or Bachelor of Health Science (Nursing)

OR

5 yrs FTE recent (within the last 10 years) professional working experience

Special Requirements

Special requirements are those stipulated by the NSW Health Department and UWS. These include: Prohibited Persons Employment Declaration (PPED); NSW Health Clinical Placement Authority (Criminal Record Check); Adult Health Immunisation.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Part-time

Year 1

Autumn session

400828.2 Child & Family Health Nursing: Professional Practice and Frameworks
400829.2 Child & Family Health Nursing: Supporting Growth and Development

Spring session

400830.2 Clinical Practice: Infant and Child Nutrition and Feeding
400831.2 Healthy Families and Communities

Year 2

Autumn session

400832.1 Partnership in Practice
400833.2 Perinatal Mental Health

Spring session

400206.2 Evidence-based Nursing

And one elective

Recommended electives:

400834.1 Advanced practice: Infant and Child feeding and Nutrition
400835.1 Infant Mental Health

Graduate Certificate in Nursing (Child and Family Health - Karitane)

4650.1

The Graduate Certificate in Nursing (Child & Family Health - Karitane) is an exit point for 4649 Master of Nursing (Child and Family Health - Karitane).

The aim of the Master in Nursing (Child & Family Health – Karitane) is to provide Registered Nurses and Registered Midwives with theoretical knowledge and associated skills that prepare them to work autonomously and across a variety of clinical settings with children and families. Graduates will be able to apply advanced nursing concepts and analysis and lead nursing practice to promote optimal health outcomes for children and families. This will involve among other things, design, implementation and evaluation of advanced clinical nursing care systems, analysis and synthesis of nursing concepts leading to a basis for advanced nursing practice and the facilitation of change.

Course Structure

Qualification for this award requires the successful completion of 40 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Part-time

Year 1

Autumn session

- 400828.2** Child & Family Health Nursing: Professional Practice and Frameworks
400829.2 Child & Family Health Nursing: Supporting Growth and Development

Spring session

- 400830.2** Clinical Practice: Infant and Child Nutrition and Feeding
400831.2 Healthy Families and Communities

Master of Nursing (Clinical Leadership)

4645.1

This course aims to provide development opportunities for nursing and midwifery leaders (expert clinicians, nursing and midwifery managers and leaders at all levels of health care) to develop their leadership capacity in a manner that enables them to lead transformative change. The course provides a focus on the knowledge and behaviours required to be a successful leader in a changing health care environment. Key knowledge areas include evidence-based practice, politics and policy, quality, safety and clinical governance, information and communication technology, leadership and organisational capacity, resource management, health services research and evaluation. Opportunities will be provided to undertake in-depth study

into aspects of clinical leadership that are relevant to their area of practice.

The Master of Nursing (Clinical Leadership) is also preparation for doctoral studies, and candidates who successfully complete the program will be eligible to apply for the doctoral program at UWS.

Study Mode

One year full time (on-campus) or two years part time (external).

Location

Campus	Attendance	Mode
Hong Kong	Part Time	Internal
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Eligibility for admission to the Master of Nursing (Clinical Leadership) is based on the following minimum requirements:

- Bachelor of Nursing, Bachelor of Health Science (Nursing) or equivalent qualification (as approved by the School of Nursing)
- Registration as a nurse or midwife under the Register of Nurses and Midwives Board NSW, or equivalent; or eligibility for same

All International students must meet an UWS English proficiency requirement; that is achievement of IELTS 6.5 or equivalent.

<http://pubsites.uws.edu.au/international/english.html>

Course Structure

Full Time

Autumn

- 400235.2** Leadership in Clinical Practice
400238.2 Policy, Power and Politics in Health Care Provision

And two elective units

Suggested electives

- 400206.2** Evidence-based Nursing

Spring

- 400778.2** Leadership and the Development of Organisational Capacity
400777.2 Leadership for Quality and Safety in Health Care

And two elective units

Suggested electives

- 400420.1** Health Economics and Comparative Health Systems

Part Time**Year 1****Autumn**

- 400235.2** Leadership in Clinical Practice
400238.2 Policy, Power and Politics in Health Care Provision

Spring

- 400778.2** Leadership and the Development of Organisational Capacity

And one Elective

Year 2**Autumn**

- 400777.2** Leadership for Quality and Safety in Health Care

And one elective

Spring

Two Elective units

Recommended electives:

- 400845.1** Health Financial Management

Graduate Diploma

Students may elect to exit early with a Graduate Diploma in Nursing (Clinical Leadership) following successful completion of the four mandatory core units and two elective units.

4644 Graduate Diploma in Nursing (Clinical Leadership)

Graduate Diploma in Nursing (Clinical Leadership)**4644.1**

This is an exit award only. The Graduate Diploma is a 60 Credit Point degree and it is completely embedded within the Master of Nursing (Clinical Leadership). Refer to the Masters course for full course structure.

Course Structure

Students may choose to exit the Master of Nursing (Clinical Leadership) after completing 60 Credit Points which includes the four mandatory core units and two elective units.

- 400235.2** Leadership in Clinical Practice
400238.2 Policy, Power and Politics in Health Care Provision
400778.2 Leadership and the Development of Organisational Capacity
400777.2 Leadership for Quality and Safety in Health Care

4645 Master of Nursing (Clinical Leadership)

Master of Nursing (Mental Health - Nurse Practitioner)**4539.1**

This course version will be replaced by 4539.2 from Spring 2009.

"Nurse Practitioners" are advanced practice nurses who are authorised by the Nurses and Midwives Board of NSW to use that title. Nurse Practitioners are expected to work autonomously, instigate diagnostic investigations, prescribe medication within an approved formulary, and refer judiciously. Students of this course undertake all of the components of the Graduate Diploma in Nursing (Mental Health) then specialise in the additional Nurse Practitioner component of the course. This programme, which includes a significant advanced clinical practice component, meets the requirements of the Nurses and Midwives Board of NSW addressing areas of advanced health assessment, diagnostic skills, therapeutic management, pharmacology, evaluation and collaboration in care.

Study Mode

Mode of delivery is distance education. Students will be required to undertake supervised, advanced clinical practice in their workplace that is approved by the course coordinator, in order to successfully complete the clinical practice units. Three years part-time study in total - one year additional part-time study after completion of the course requirements for the Graduate Diploma in Nursing (Mental Health).

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Advanced Standing

The Master of Nursing (Mental Health - Nurse Practitioner) articulates with the Graduate Diploma in Nursing (Mental Health). Further advanced standing would be considered on a case-by-case basis according to UWS policy.

Accreditation

Nurse Practitioners are required to apply for individual authorisation with the Nurses and Midwives Board of NSW.

In order to proceed to application for Nurse Practitioner status with Nurses' Registration Board of NSW candidates must, amongst other criteria, demonstrate 5000 hours of advanced clinical practice.

Admission

Applications for the course must be made through the Universities Admissions Centre (UAC). Further information on admission to postgraduate courses is available on the Local Admissions section of the UWS website.

Applicants must meet the admission requirements for the Graduate Diploma in Nursing (Mental Health). For details please refer to the Handbook entry for that course.

In order to progress from the Graduate Diploma to the degree Master of Nursing (Mental Health - Nurse Practitioner) the following additional criteria must also be met:

- current clinical practice of 12 months in an advanced clinical role which has been confirmed by the students employer(s)
- satisfactory credit point average achieved at Graduate Diploma level
- contract with a university approved clinical supervisor (s) to meet the requirements of the Advanced Mental Health Nursing Clinical Practice Units

Course Structure

Qualification for this award requires the successful completion of 120 credit points as per the recommended sequence below.

The four advanced mental health nursing units may not be undertaken until successful completion of 80 credit points at year one and year two levels. The Advanced Mental Health Clinical Practice Units may only be undertaken by students working in advanced clinical practice roles in mental health.

Recommended Sequence

Full-time

Year 1

Autumn session

400206.2	Evidence-based Nursing
400217.2	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1
400220.2	Contemporary Professional Practice in Mental Health Nursing

Spring session

400219.2	Mental Health Nursing Practice 2
400200.2	Applied Nursing Research
400221.2	Theoretical Perspectives/Interventions Mental Health Nursing

And one elective

Part-time

Year 1

Autumn session

400217.2	Mental Health Assessment and Application
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400218.2	Mental Health Nursing Practice 1
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Spring session

400206.2	Evidence-based Nursing
400219.2	Mental Health Nursing Practice 2

Graduate Certificate

Students may exit with a Graduate Certificate in Nursing (Mental Health) following completion of these four units:

400206.2	Evidence-based Nursing
400217.2	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1
400219.2	Mental Health Nursing Practice 2

Year 2

Autumn session

400200.2	Applied Nursing Research
400220.2	Contemporary Professional Practice in Mental Health Nursing

Spring session

400221.2	Theoretical Perspectives/Interventions Mental Health Nursing
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And one elective

Year 3

Autumn session

400229.1	Advanced Mental Health Nursing Clinical Practice 1
400228.2	Assessment for Advanced Practice Mental Health Nurses

Spring session

400231.1	Advanced Mental Health Nursing Clinical Practice 2
400230.1	Biological Aspects of Mental Illness for Advanced Practice

Graduate Diploma in Nursing (Mental Health)

4534.1

This course version will be replaced by 4534.2 from Spring 2009.

The aim of the Graduate Diploma in Nursing (Mental Health) is to produce a graduate who can practise mental health nursing skilfully and within ethical and legal boundaries, and who can think abstractly and critically. The course encourages critical examination of issues such as mental health nursing knowledge, the evidence-based perspective of practice, the measurement of outcomes and the consumer movement. Research training and the study of the relationship between research, knowledge and practice is a key component of the course. Issues include learning how to use the self therapeutically, relationships

with clients, understanding the experience of people who have mental illnesses, disorders and crises. Collaborative relationships and partnerships between nurses, multidisciplinary colleagues and stakeholders in the mental health care service are endorsed as a key value within the course. Students are challenged to conceptualise and articulate definitions of the unique role of mental health nursing, to ask difficult questions and to seek their answers.

Study Mode

This is a two year part-time or one year full-time equivalent coursework program of study delivered in Distance Education mode. Students may exit with a Graduate Certificate following the completion of four units (one session full-time or one year part-time)

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Advanced Standing

Partnership has been negotiated with Western Sydney Area Mental Health Service (WSAMHS). New graduates commencing employment in WSAMHS contract to undertake an educational program within the area health service that was developed collaboratively with UWS and subsequently these students receive advanced standing for the first two units within the course.

Accreditation

The Graduate Diploma in Nursing (Mental Health) allows registered nurses to expand their knowledge and skill base in this specialty area. While the Nurses and Midwives Board of NSW and the NSW Nurses' Association encourage nurses to pursue appropriate postgraduate educational opportunities, certification of this award is not required by these bodies.

Admission

Candidature for admission to the Graduate Diploma in Nursing (Mental Health) is based on the following requirements:

- 1) Registration as a nurse under List A of the Register of the Nurses and Midwives Board of NSW or equivalent;
- 2) Access to clinical experience in a mental health care setting (as approved by the School of Nursing, Family and Community Health);
- 3) Possession of a Bachelor of Nursing, a Bachelor of Health Science (Nursing) or equivalent qualification (as approved by the School of Nursing, Family and Community Health); or
- 4) Provision of evidence of general and professional nursing experience deemed by the School of Nursing, Family and Community Health, to demonstrate equivalence in the capacity and educational background to participate in the course.

Course Structure

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Recommended Sequence

Full-time

Year 1

Autumn session

400206.2	Evidence-based Nursing
400217.2	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1
400220.2	Contemporary Professional Practice in Mental Health Nursing

Spring session

400219.2	Mental Health Nursing Practice 2
400200.2	Applied Nursing Research
400221.2	Theoretical Perspectives/Interventions Mental Health Nursing

And one elective

Part-time

Year 1

Autumn session

400217.2	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1

Spring session

400206.2	Evidence-based Nursing
400219.2	Mental Health Nursing Practice 2

Year 2

Autumn session

400200.2	Applied Nursing Research
400220.2	Contemporary Professional Practice in Mental Health Nursing

Spring session

400221.2	Theoretical Perspectives/Interventions Mental Health Nursing
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And one elective

Graduate Certificate

Students may exit with a Graduate Certificate in Nursing (Mental Health) following completion of these four units:

400206.2	Evidence-based Nursing
400217.2	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1
400219.2	Mental Health Nursing Practice 2

Graduate Certificate in Nursing (Mental Health)

4535.1

This course version will be replaced by 4535.2 from Spring 2009.

Exit point only. Refer to 4534.1 Graduate Diploma in Nursing (Mental Health).

Study Mode

Six months full-time or one year part-time, in Distance Education mode.

Graduate Diploma in Midwifery

4505.2

This version will be replaced by version 3 from 2010.

The Graduate Diploma in Midwifery will be offered on Bankstown campus in Q1 and Q2 2009, and on Parramatta Campus from Q3 2009.

The Graduate Diploma in Midwifery is a year long course developed for registered nurses wishing to pursue a career in midwifery. The course is made up of theory and practice with an emphasis on the art and science of midwifery, health promotion and continuity of care. Students will gain essential clinical experience through paid employment in an affiliated maternity hospital for the duration of the course.

Study Mode

One year full-time or two years part-time. Students enrolling in part-time study are required to take the clinical component over one year of continuous employment (32 hrs/week) to meet professional requirements. Flexibility, therefore pertains to the theoretical load and not the clinical component.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Advanced Standing

Advanced Standing will be assessed in accordance with UWS policy.

Accreditation

Professional accreditation with the New South Wales Nurses and Midwives Board.

Admission

Applications for the course must be made through the Universities Admissions Centre (UAC). Further information on admission to postgraduate courses is available on the Local Admissions section of the UWS website.

Eligibility for admission is based on the following two requirements:

- Registered Nurse

- Attend an interview – the interview is a collaborative process with industry as a student's place in the course is dependent upon them meeting employment criteria as a registered nurse.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Full-time

Year 1

Quarter 1

400076.2 Fundamentals of Pregnancy and Birth
400077.2 Fundamentals of the Postnatal Period and the Newborn

Quarter 2

400078.3 Complications of Pregnancy and the Postnatal Period
400080.2 Practice of Midwifery I

Quarter 3

400079.3 Complications of Labour, Birth and Newborn
400082.3 Essentials for Best Practice in Midwifery

Quarter 4

400848.2 Practice of Midwifery II

Part-time

Year 1

Quarter 1

400076.2 Fundamentals of Pregnancy and Birth
400077.2 Fundamentals of the Postnatal Period and the Newborn

Quarter 2

400078.3 Complications of Pregnancy and the Postnatal Period

Quarter 3

400079.3 Complications of Labour, Birth and Newborn
400082.3 Essentials for Best Practice in Midwifery

Year 2

Quarter 2

400080.2 Practice of Midwifery I

Quarter 4

400848.2 Practice of Midwifery II

Graduate Diploma in Nursing (Mental Health)

4654.1

This course commences from Spring 2009.

The aim of the Graduate Diploma in Nursing (Mental Health) is to produce a graduate who can practise mental health nursing skilfully and within ethical and legal boundaries, and who can think abstractly and critically. The course encourages critical examination of issues such as mental health nursing knowledge, the evidence-based perspective of practice, the measurement of outcomes and the consumer movement. Research training and the study of the relationship between research, knowledge and practice is a key component of the course. Issues include learning how to use the self therapeutically, relationships with clients, understanding the experience of people who have mental illnesses, disorders and crises. Collaborative relationships and partnerships between nurses, multidisciplinary colleagues and stakeholders in the mental health care service are endorsed as a key value within the course. Students are challenged to conceptualise and articulate definitions of the unique role of mental health nursing, to ask difficult questions and to seek their answers.

Study Mode

Two years part-time.

Location

Campus	Attendance Mode
Parramatta Campus	Part Time External

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have successfully completed an undergraduate degree in Nursing or Health Science (Nursing)

AND

Current registration as a nurse or midwife

OR

Successful completion of a post registration certificate (The College of Nursing Registered Nurse and Midwifery Refresher Course (NSW); Queensland Health Refresher to Nursing Practice Program; Sydney Adventist Hospital

Refresher Course for Registered Nurses; Royal Adelaide Hospital Refresher Program for Registered Nurses; Flinders Medical Centre Registered Nurse Refresher Program; Flinders Medical Centre Refresher Program for Midwives; St Vincent's Health Refresher Course for Registered Nurses (Vic), Royal Women's Hospital Refresher Program for Registered Nurses (Vic))

AND

5 yrs FTE current (within the last 10 years) clinical experience

Course Structure

Qualification for this award requires the successful completion of 60 credit points as per the recommended sequence below.

Recommended Sequence

Part-time

Year 1

Autumn session

400217.2	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1

Spring session

400219.2	Mental Health Nursing Practice 2
400219.2	Mental Health Nursing Practice 2

And one elective

Students may exit with a Graduate Certificate in Nursing (Mental Health) at this point

Year 2

Autumn session

400220.2	Contemporary Professional Practice in Mental Health Nursing
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Spring session

400230.1	Biological Aspects of Mental Illness for Advanced Practice
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Graduate Certificate in Nursing (Mental Health)

4535.2

This version of the course commences from Spring 2009.

This version of the Graduate Certificate in Nursing (Mental Health) is an exit point only from 4654.1 Graduate Diploma in Nursing (Mental Health).

Study Mode

One year part-time.

Admission

The Certificate is an exit award only.

Course Structure

Qualification for this award requires the successful completion of 40 credit points as per the recommended sequence below.

Recommended Sequence

Part-time

Year 1

Autumn session

400217.2 Mental Health Assessment and Application
400218.2 Mental Health Nursing Practice 1

Spring session

400219.2 Mental Health Nursing Practice 2

And one elective

Master of Primary Health Care

4569.3

This version of the course will commence Autumn session 2010 at Hawkesbury campus for onshore students and Term N 2009 for Hong Kong students.

This course aims to provide the opportunity for health, and other professionals with primary health care responsibilities to gain knowledge and understanding of primary health care that will enable leadership in this field. The course provides a focus on the knowledge and behaviour required to be a primary health care provider in a changing community environment. Key knowledge areas include service delivery applying primary health care principles, health promotion, epidemiology, socio-political and health issues for aged care, mental health in communities, collaborative inquiry, supporting individuals and communities in crisis, leadership and change. Opportunities will be provided for students to undertake in-depth study into aspects of primary health care that are relevant to their specific areas of work/practice.

Study Mode

Two years part-time in distance education mode. This course is offered on campus in Hong Kong only.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Part Time	External
Hong Kong	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Applicants must have successfully completed an undergraduate degree in biological sciences: human biological sciences, anatomy and physiology, chemistry, physics, biology, natural science, microbiology, medicine, dentistry, pharmacy, human science, naturopathy, complementary medicine

OR

A degree in arts/behavioural sciences - human behavioural and social sciences, psychology, sociology, human communications, human behaviour.

Course Structure

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Recommended sequence

Part-time (Distance Education Mode)

Year 1

Autumn session

400412.2 Primary Health Care and its Applications
400836.1 Health Promotion: A Primary Health Care Approach

Spring session

400856.1 Approaches to Epidemiology
400838.1 Supporting Individuals and Communities in Crisis

Year 2

Autumn session

400773.2 Mental Health for Communities
400837.2 Health and Socio-political Issues in Aged Care

Spring session

400414.2 Leadership and Change
400839.1 Collaborative Inquiry for Primary Health Care Action

Graduate Diploma

Students may elect to exit the program with a Graduate Diploma in Primary Health Care following successful completion of the following units:

400412.2 Primary Health Care and its Applications
400836.1 Health Promotion: A Primary Health Care Approach

- 400856.1** Approaches to Epidemiology
400838.1 Supporting Individuals and Communities in Crisis
400773.2 Mental Health for Communities
400837.2 Health and Socio-political Issues in Aged Care

A degree in arts/behavioural sciences - human behavioural and social sciences, psychology, sociology, human communications, human behaviour

OR

3 yrs FTE work experience in the health sector.

Graduate Diploma in Primary Health Care

4570.3

This course aims to provide the opportunity for health, and other professionals with primary health care responsibilities to gain knowledge and understanding of primary health care that will enable leadership in this field. The course provides a focus on the knowledge and behaviour required to be a primary health care provider in a changing community environment. Key knowledge areas include service delivery applying primary health care principles, health promotion, epidemiology, socio-political and health issues for aged care, mental health in communities, collaborative inquiry, supporting individuals and communities in crisis, leadership and change. Opportunities will be provided for students to undertake in-depth study into aspects of primary health care that are relevant to their specific areas of work/practice.

Study Mode

One and a half years part-time in distance education mode. This course is offered on campus in Hong Kong only.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Part Time	External
Hong Kong	Part Time	Internal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Applicants must have successfully completed an undergraduate degree in biological sciences: human biological sciences, anatomy and physiology, chemistry, physics, biology, natural science, microbiology, medicine, dentistry, pharmacy, human science, naturopathy, complementary medicine

OR

Course Structure

Qualification for this award requires the successful completion of 60 credit points, including the units listed in the recommended sequence below.

Recommended sequence

Part-time

Year 1

Autumn session

- 400412.2** Primary Health Care and its Applications
400836.1 Health Promotion: A Primary Health Care Approach

Spring session

- 400856.1** Approaches to Epidemiology
400838.1 Supporting Individuals and Communities in Crisis

Year 2

Autumn session

- 400773.2** Mental Health for Communities
400837.2 Health and Socio-political Issues in Aged Care

Master of Public Health

4571.2

The Master of Public Health course is designed for professionals working in a variety of settings, including health departments and community organisations. Emphasised is a comprehensive assessment of all determinants of health, which include broader social and environmental factors in addition to physical risk factors. Public health professionals are required to effectively assess and respond to emerging public health issues. For this, students will study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. The focus of practical skills is in community development and health promotion programs. Students will integrate research, analytic and practical skills in the evaluation of contemporary public health issues.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal

Campus	Attendance	Mode
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have either:

an undergraduate degree in a health, welfare or aged care discipline

OR

a graduate diploma or graduate certificate in a health, welfare or aged care discipline PLUS at least 3 years work experience in a health, welfare or aged care discipline.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Full-time

Year 1

Autumn session

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care
400418.1	Health Advancement and Health Promotion
400841.1	A Global Perspective on Social Determinants of Health

Spring session

400847.1	Surveillance and Disaster Planning
400420.1	Health Economics and Comparative Health Systems
300398.1	Methods of Researching
400417.1	Epidemiology and Quantitative Methods

Part-time

Year 1

Autumn session

400416.1	Public Health, Policy and Society
400418.1	Health Advancement and Health Promotion

Spring session

400847.1	Surveillance and Disaster Planning
400417.1	Epidemiology and Quantitative Methods

Students may exit with a Graduate Certificate in Public Health at this point.

Year 2

Autumn session

400841.1	A Global Perspective on Social Determinants of Health
400846.2	Building Organisational Capacity in Health Care

Spring session

400420.1	Health Economics and Comparative Health Systems
300398.1	Methods of Researching

Graduate Diploma in Public Health

4572.2

The Graduate Diploma course in public health is designed for health professionals who wish to extend and consolidate both practical and research skills for public health practice. For this, students will study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. Practical program skills are developed in community development and health promotion.

Study Mode

One year full-time or one and a half years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have either:

an undergraduate degree in a health, welfare or aged care discipline

OR

an undergraduate degree in any discipline PLUS at least 2 years work experience in a health, welfare or aged care discipline

OR

a graduate diploma or graduate certificate in a health, welfare or aged care discipline PLUS at least 2 years work experience in a health, welfare or aged care discipline.

Course Structure

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Recommended sequence

Full-time

Year 1

Autumn session

- 400416.1** Public Health, Policy and Society
400418.1 Health Advancement and Health Promotion
400841.1 A Global Perspective on Social Determinants of Health

Spring session

- 400420.1** Health Economics and Comparative Health Systems
400417.1 Epidemiology and Quantitative Methods
300398.1 Methods of Researching

Part-time

Year 1

Autumn session

- 400416.1** Public Health, Policy and Society
400418.1 Health Advancement and Health Promotion

Spring session

- 400420.1** Health Economics and Comparative Health Systems
400417.1 Epidemiology and Quantitative Methods

Year 2

Autumn session

- 300398.1** Methods of Researching
400841.1 A Global Perspective on Social Determinants of Health

Graduate Certificate in Public Health

4573.2

To complete the Graduate Certificate students select any four of the six units in the Graduate Diploma course. The six units provide a range of critical, research and practical

skills in the areas of policy analysis, economic evaluation, epidemiology and qualitative methods, community development and health promotion. The course will suit students who seek an introduction to public health or who wish to limit their studies according to their needs.

Study Mode

One year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	Internal

Admission

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have either:

an undergraduate degree in a health, welfare or aged care discipline

OR

a graduate diploma or graduate certificate in any discipline PLUS at least 2 years work experience in a health, welfare or aged care discipline

OR

(for non-graduates) at least 3 years work experience in a health, welfare or aged care environment.

Course Structure

Qualification for this award requires the successful completion of 40 credit points as per the recommended sequence below.

Recommended Sequence

Student may graduate with a Graduate Certificate in Public Health upon the successful completion of any four units (40 credit points) taken from the six units listed, all from 4572 Graduate Diploma in Public Health.

- 400416.1** Public Health, Policy and Society
400418.1 Health Advancement and Health Promotion
400841.1 A Global Perspective on Social Determinants of Health
400420.1 Health Economics and Comparative Health Systems
400417.1 Epidemiology and Quantitative Methods
300398.1 Methods of Researching

Master of Public Health - Hong Kong

4516.2

This course is based on the Master of Public Health offered in Australia, however this version of the program is available only in Hong Kong.

This course has been developed in recognition that the agenda for public health in Hong Kong, as in Australia and internationally, is changing. The maintenance of effective and efficient health care systems remains a high priority. There is, however, a growing recognition of the importance of both global and local environmental threats (e.g. air pollution) and factors within the social environment (e.g. social inequity) that significantly impact on health status. It is increasingly recognised that the concept of 'health' itself is both complex and emergent, one that is as much, if not more, defined by socio-cultural and environmental factors as by traditional biomedical factors. This course, whilst providing 'traditional' public health skills, such as epidemiology, includes expanded specialist fields of knowledge and skills such as policy development, risk assessment, environmental management and change strategies to meet emerging challenges of contemporary practice.

Study Mode

Two years part-time. Enrolment for first year students is in Spring. First Year Commences with the units in the Spring session.

Location

Campus Attendance Mode

Hong Kong Part Time Internal

Advanced Standing

Advanced Standing will be assessed in accordance with UWS policy.

Admission

Applications for the course must be made through the Universities Admissions Centre (UAC). Further information on admission to postgraduate course is available on the Local Admissions section of the UWS website.

Entry requirements for the course are possession of a bachelor's degree or equivalent and two years of work experience in a relevant field. Other factors may be considered at the discretion of the course coordinator.

Special Requirements

This version of the course is available in Hong Kong only. Local students should refer to the local Master of Public Health entry.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Part-time

Year 1

Spring session

400416.1 Public Health, Policy and Society
400417.1 Epidemiology and Quantitative Methods

Year 2

Autumn session

400420.1 Health Economics and Comparative Health Systems
EH838A.1 Research Methods: Science in Context

Spring session

300395.1 Risk Assessment
400418.1 Health Advancement and Health Promotion

Year 3

Autumn session

400422.1 Contemporary Issues in Public Health
EH833A.1 Environmental Management

Master of Science

3647.1

This course will commence in 2009.

This program provides advanced theoretical and practical knowledge in a range of specialist scientific fields, through lectures, workshops, projects and directed study. Students can develop understanding of specialist fields in which they have little previous knowledge, or extend their previous expertise.

The following choice of specialisations is offered: Occupational Safety, Health & Environmental Management; Occupational and Environmental Hygiene; Environmental Management; Climate Change and Sustainable Resource Management; Biotechnology; Research Studies.

A generic option is also available.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Full Time	Multi Modal
Hawkesbury Campus	Part Time	Multi Modal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.

UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Eligibility for admission to the Master of Science is based on the following requirements:

An undergraduate degree in any discipline

OR

Graduate Diploma or Graduate Certificate in any discipline AND 1 yr FTE work experience in occupational health and safety, environmental management, occupational hygiene, climate change, natural resource management or biotechnology

Course Structure

Master of Science (generic option)

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Recommended Sequence

Full-time (Start year intake)

Autumn session

300398.1 Methods of Researching

Three units chosen from the prescribed list of science units below.

At this point, students can exit with a Graduate Certificate in Science.

Spring session

300396.1 Developing Professional Practice
300397.1 Perspectives of Sustainable Development

At this point, students can exit with a Graduate Diploma in Science.

One unit chosen from the prescribed list of science units below.

Choose one of (Note: 400850.1 is subject to Head of Program approval)

Elective

400850.1 Professional Topic

Part-time (Start year intake)

Year 1

Autumn session

Two units chosen from the prescribed list of science units below.

Spring session

300396.1 Developing Professional Practice
300397.1 Perspectives of Sustainable Development

At this point, students can exit with a Graduate Certificate in Science.

Year 2

Autumn session

Choose one of

300398.1 Methods of Researching

One unit chosen from the prescribed list of science units below.

Choose one of:

Elective

400850.1 Professional Topic

(Note: 400850.1 is subject to Head of Program approval)

At this point, students can exit with a Graduate Diploma in Science.

Spring session

Two units chosen from the prescribed list of Science units below.

Prescribed list of Science units:

300391.1 Occupational Health Management
300677.1 Safety and Risk Management
300678.1 Advanced Analytical Techniques
300679.1 Air, Water and Noise Management
300680.1 Biotechnology Analytical Techniques
300681.1 Climate Change Impacts
300682.1 Occupational and Environmental Hygiene
300683.1 Principles & Practice of Biotechnology 1
300684.1 Principles & Practice of Biotechnology 2
300685.1 Special Issues in Science - PG

300685 only available to Masters students (permission of Head of Program required)

300686.1 Sustainable Resource Management
300688.1 Noise Assessment and Control
300689.1 Environmental Management Systems
300690.1 Environmental Assessment
400850.1 Professional Topic

400850 only available to Masters students (permission of Head of Program required)

Note: Enrolment in UWS units other than those listed above is possible with Head of Program permission.

Specialisations

ST3000.1 Occupational Safety, Health & Environmental Management

The Occupational Safety, Health & Environmental Management specialisation provides advanced theoretical and practical knowledge in the occupational health, safety and environmental management field. It is most suited for students who are already working in this field, although can be undertaken by students in allied fields who want a

career change to Health, Safety and Environment roles. Students will learn to critically evaluate the social, economic and environmental impacts of policy and management decisions and analyse current and emerging issues in health, safety and environmental management. They will also develop the skills to develop new or adapt current strategies and to take a leadership role in responding to change in this very dynamic and challenging field. Students enrolled in the Masters will be required to undertake a half year pilot research project and develop a change management strategy for a current OSHEM issue. The specialisation is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

ST3001.1 Environmental Management

This specialisation aims to promote a better understanding of the interrelationship between the environment and human society. It requires students to investigate the environmental implications of human activity and the impacts of development and technology on the natural and built environments. It is intended to produce environmental managers who can develop integrated holistic approaches to issues around planning, assessment and management of the environment. The goal is to find balanced, sustainable solutions that are ethically and socially acceptable and which arrest the decline in the quality of the earth's environment. Students will learn to critically evaluate the social, economic and environmental impacts of policy and management decisions and analyse current and emerging issues in environmental management. They will also develop the skills to develop new or adapt current strategies and to take a leadership role in responding to change in this very dynamic and challenging field. Students enrolled in the Masters will be required to undertake a half year pilot research project and develop a change management strategy for a current EM issue.. This course is suited for students who are already working in this field, as well as those who want a career change to an environmental management role. It is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

ST3002.1 Occupational & Environmental Hygiene

The Occupational & Environmental Hygiene specialisation provides advanced theoretical and practical knowledge in the occupational and environmental hygiene field. It provides students with high level scientific and professional skills in occupational and environmental hygiene. Students will be introduced to the underpinning theory, practice and application of a range of advanced analytical techniques used in occupational and environmental hygiene. They will explore the strengths and weaknesses of the various methods, and develop expertise in using them to measure exposures to chemical and biological pollutants, ergonomics, noise, heat & cold and lighting in the workplace. Students will also explore the various methods available of controlling the different types of exposures. Students enrolled in the Masters will be required to undertake a full year research project. It is most suited for students who have a health, safety and environmental

management background; although it can be undertaken by students in allied fields who want a career change to an Occupational & Environmental Hygiene role. It is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

ST3003.1 Climate Change & Sustainable Resource Management

This specialisation provides professional environmental resource managers a range of opportunities to upgrade their leadership skills and competencies of climate change mitigation and adaptation. The complex and uncertain nature of climate change will require increased foresight and the application of a range of practical skills across many sectors and professions for climate change adaptation and mitigation process. This specialisation will provide knowledge, skills and practices to effectively prepare towards responding to climate change and building resilience in communities, resources and industries. Students will have opportunities in learning the impacts of soils, climate, water and their interactions on rural, peri-urban and urban landscapes. They are able to analyse strategies and tactics employed in their own area of work to minimise risks and maximise opportunities related to climate change and climate variability. Experience gained will enhance their skills and competencies for evaluating and adapting appropriate resource management strategies and policy development. They will also develop the skills to develop new or adapt current strategies and to take a leadership role in responding to change in this very dynamic and challenging field. Students enrolled in the Masters will be required to undertake a half year pilot research project and develop a change management strategy for a current SRM issue. It is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

ST3004.1 Biotechnology

This specialisation aims to provide advanced education in biotechnology and to prepare students for diverse careers in this field. It is designed mainly for students who have a first degree in basic biological or chemical sciences but little prior education in biotechnology. Biotechnology applies scientific and engineering principles to the processing of material by biological agents to provide goods and services. The requirements for biotechnologists are as diverse as the purposes for which microbial, plant and animal cells have been harnessed to produce food, medicines and chemicals useful to mankind. This specialisation will encourage students to actively participate in the learning process. Opportunities for student planning and development of projects based upon a strong understanding of fundamental concepts and processes will be provided. Multidisciplinary knowledge and practical skills will be integrated to provide a hands-on problem solving approach. Students enrolled in the Masters will be required to undertake a full year biotechnology research project. It is offered in both full time and part time modes with compulsory on-campus attendance required.

ST3005.1 Research Studies

Graduate Diploma in Science

3648.1

This is an exit award only. Applicants apply to 3647 Master of Science and exit with the Graduate Diploma award after completing 60 credit points.
3647 Master of Science

Graduate Certificate in Science

3649.1

This program provides advanced theoretical and practical knowledge in a range of specialist scientific fields, through lectures, workshops, projects and directed study. Students can develop understanding of specialist fields in which they have little previous knowledge, or extend their previous expertise.

Study Mode

One year part-time.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Part Time	Multi Modal

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Eligibility for admission to the Graduate Certificate in Science is based on the following requirements:

* An undergraduate degree in any discipline

OR

5 yrs FTE work experience in occupational health and safety, environmental management, occupational hygiene, climate change, natural resource management or biotechnology

Course Structure

Qualification for this award requires the successful completion of 40 credit points, including the units listed in the recommended sequence below.

Recommended Sequence

Full-time

Autumn session

300398.1 Methods of Researching

Three units chosen from the prescribed list of science units below.

Part-time

Year 1

Autumn session

Two units chosen from the prescribed list of science units below.

Spring session

300396.1 Developing Professional Practice
300397.1 Perspectives of Sustainable Development

Prescribed list of science units:

300391.1	Occupational Health Management
300677.1	Safety and Risk Management
300678.1	Advanced Analytical Techniques
300679.1	Air, Water and Noise Management
300680.1	Biotechnology Analytical Techniques
300681.1	Climate Change Impacts
300682.1	Occupational and Environmental Hygiene
300683.1	Principles & Practice of Biotechnology 1
300684.1	Principles & Practice of Biotechnology 2
300685.1	Special Issues in Science - PG
300686.1	Sustainable Resource Management
300688.1	Noise Assessment and Control
300689.1	Environmental Management Systems
300690.1	Environmental Assessment
400850.1	Professional Topic

Master of Traditional Chinese Medicine

4614.2

The Master of Traditional Chinese Medicine (TCM) is a dynamic, postgraduate course designed for TCM practitioners wishing to strengthen their knowledge and better integrate in the health care system. Students will have an opportunity to develop an evidence-based approach to practice and may choose to specialise in a nominated clinical field. The integration of TCM with orthodox medical management and/or diagnostics is incorporated into many units. The course will be delivered via structured, intensive workshops with self-directed learning between workshops to allow maximum flexibility for busy practitioners.

Entry to some specialist units will be limited to practitioners with appropriate qualifications in Chinese herbal medicine.

Study Mode

The Master of TCM will require two years part-time study (80 credit points). The mode of study for the Master of Traditional Chinese Medicine is via intensive workshops

and use of web-based resources. Each unit will consist of two intensive two-day workshops, one at the beginning of semester and one at the end. These workshops are supported with on-line material.

Advanced Standing

Applications for advanced standing will be assessed in accordance with current UWS policy.

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Admission to the Master of Traditional Chinese Medicine or Master of Acupuncture requires:

EITHER

An undergraduate qualification in Traditional Chinese Medicine (both acupuncture and Chinese herbal medicine for those applying for the Master of TCM) or acupuncture - a minimum of a three-year diploma that meets the requirements set out under the Australian Qualification Guidelines, or

OR

For applicants not holding an undergraduate qualification in Traditional Chinese Medicine or acupuncture, current membership of a professional association representing TCM or acupuncture practitioners, and an interview is required. These applications will be reviewed on an individual basis. In all cases consideration will also be given to prior learning and professional experience.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Part-time

Year 1

1H

400567.1 Evidence Based Practice in Chinese Medicine 1

Specialist Unit 1

2H

400568.1 Evidence Based Practice in Chinese Medicine 2

Specialist Unit 2

Year 2

1H

Specialist Unit 3

Specialist Unit 4

2H

Specialist Unit 5

Specialist Unit 6

Full-Time (available from 2007 onwards subject to demand)

Year 1

1H

400567.1 Evidence Based Practice in Chinese Medicine 1

Specialist Unit 1

Specialist Unit 2

Specialist Unit 3

2H

400568.1 Evidence Based Practice in Chinese Medicine 2

Specialist Unit 4

Specialist Unit 5

Specialist Unit 6

Specialist Units

Students will be required to complete six specialist units from the following pool. Please note: Not all units will be offered each year - refer to the published timetable to confirm availability.

- 400569.1** Pharmacology of Chinese Medicines
- 400570.2** Women's Health in Chinese Medicine 1
- 400571.2** Women's Health in Chinese Medicine 2
- 400572.1** Dermatology in Chinese Medicine 1
- 400573.1** Dermatology in Chinese Medicine 2
- 400574.1** Musculoskeletal Health in Chinese Medicine 1
- 400575.1** Musculoskeletal Health in Chinese Medicine 2
- 400576.1** Chinese Medicine Classics
- 400578.1** Advanced Acupuncture
- 400687.1** Chinese Medicine Specialities 1
- 400688.1** Mental Health in Chinese Medicine
- 400689.1** Neurological Disorders in Chinese Medicine

Graduate Diploma Exit Point

Students may exit with a Graduate Diploma in Traditional Chinese Medicine upon the successful completion of the following core units plus four specialist units (60 credit points)

400567.1 Evidence Based Practice in Chinese Medicine 1

400568.1 Evidence Based Practice in Chinese Medicine 2

Plus four Specialist Units (40 credit points) from the Master of Traditional Chinese Medicine Award.

Graduate Certificate Exit Point

Students may exit with a Graduate Certificate in Traditional Chinese Medicine upon the successful completion of any four units (40 credit points) from the Master of Traditional Chinese Medicine Award.

Graduate Diploma in Traditional Chinese Medicine

4615.2

Exit point only. Refer to Master of Traditional Chinese Medicine, course code 4614.

Study Mode

One and a half years part-time.

Course Structure

Students may exit with a Graduate Diploma in Traditional Chinese Medicine upon the successful completion of the following core units plus four specialist units (60 credit points)

400567.1 Evidence Based Practice in Chinese Medicine 1

400568.1 Evidence Based Practice in Chinese Medicine 2

Plus four Specialist Units (40 credit points) from the Master of Traditional Chinese Medicine Award.

Graduate Certificate in Traditional Chinese Medicine

4616.2

Exit point only. Refer to Master of Traditional Chinese Medicine, course code 4614.

Study Mode

One year part-time.

Course Structure

Students may exit with a Graduate Certificate in Traditional Chinese Medicine upon the successful completion of any four units (40 credit points) from the Master of Traditional Chinese Medicine Award.

Graduate Diploma in Naturopathy

4640.1

This Graduate Diploma is designed for students who have completed 4597 Bachelor of Applied Science (Naturopathic Studies) or an equivalent course. The course is designed to extend professional and clinical competence so that graduates will meet the professional association requirements for accreditation. The course consists of advanced studies into Western Herbal Medicine, Naturopathic Nutrition, Naturopathic and Western Medical Diagnosis, Research in Complementary Medicine and Clinical Practicum. There is an emphasis on the integration of the modalities, and practice management skills, to produce practitioners whom are competent and confident to practice Naturopathy. The program is open to enrolments for people with an appropriate undergraduate qualification including an advanced diploma of Naturopathy.

Study Mode

One year full-time.

Location

Campus	Attendance	Mode
Campbelltown Campus	Full Time	Internal

Advanced Standing

Applications for credit transfer will be assessed in accordance with current UWS policy.

Accreditation

Professional accreditation will be sought for the combined Bachelor of Applied Science (Naturopathic Studies) and the Graduate Diploma in Naturopathy. The Graduate Diploma has been formulated in relation to professional association requirements for graduates of the undergraduate program first identified by the EAC for the undergraduate program in 2003. Professional accreditation of the combined Bachelor and Graduate Diploma will be sought from: National Herbalists Association of Australia (NHAA); Australian Traditional Medicine Society (ATMS); Australian Natural Therapists Association (ANTA).

Admission

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).
UAC

International applicants must apply directly to the University of Western Sydney via UWS International.
UWS International

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre website (UAC).

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Applicants must have successfully completed:

An undergraduate degree in Applied Science (Naturopathic Studies)

OR

Advanced Diploma in Naturopathy AND 3 yrs FTE work experience in naturopathy AND accreditation with an Australian professional association representing Naturopaths.

Special Requirements

A current Senior first aid certificate (Workcover accredited) is required. Attendance at Child Protection Workshops certificate required.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Recommended Sequence

Full-time

Year 1

Autumn Session

- 400726.1 Advanced Herbal Medicine and Nutrition
- 400727.1 Naturopathic Diagnosis
- 101296.1 The Professional Helping Interview
- 400728.1 Advanced Naturopathic Practice 1

Spring Session

- 400736.1 Practice Management for Health Professionals (PG)
- 400731.1 Evidence Based Naturopathic Practice
- 400730.1 Naturopathic Therapeutics
- 400729.1 Advanced Naturopathic Practice 2

Unit Sets

Specialisation - Occupational Safety, Health & Environmental Management

ST3000.1

The Occupational Safety, Health & Environmental Management specialisation provides advanced theoretical and practical knowledge in the occupational health, safety and environmental management field. It is most suited for students who are already working in this field, although can be undertaken by students in allied fields who want a career change to Health, Safety and Environment roles. Students will learn to critically evaluate the social, economic and environmental impacts of policy and management decisions and analyse current and emerging issues in health, safety and environmental management. They will also develop the skills to develop new or adapt current strategies and to take a leadership role in responding to change in this very dynamic and challenging field. Students enrolled in the Masters will be required to undertake a half year pilot research project and develop a change management strategy for a current OSHEM issue. The specialisation is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

Offer

Campus	Mode
Hawkesbury Campus	Multi Modal

Unit Set Structure

Master of Science (Occupational Safety, Health & Environmental Management)

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

300391.1	Occupational Health Management
300677.1	Safety and Risk Management
300411.2	Research Methodology and Experimental Design
300687.1	Science Research Project PG

Spring session

300396.1	Developing Professional Practice
300397.1	Perspectives of Sustainable Development
300411.2	Research Methodology and Experimental Design
300687.1	Science Research Project PG

Note: there is no exit structure available from the full-time start year intake.

Part-time (Start year intake)

Year 1

Autumn session

300391.1	Occupational Health Management
300677.1	Safety and Risk Management

Spring session

300396.1	Developing Professional Practice
300397.1	Perspectives of Sustainable Development

Students studying at Masters level will need to complete the following:

Year 2

Autumn session

Choose one of

300398.1	Methods of Researching
300411.2	Research Methodology and Experimental Design

Choose one of

300687.1	Science Research Project PG
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Elective

Spring session

Choose one of

300400.1	Managing for Sustainable Development
300411.2	Research Methodology and Experimental Design

Choose one of

300399.1	Researching Professional Issues
300687.1	Science Research Project PG

Note: part-time students have the option (with permission of Head of Program) of: replacing 300398, 300400, 300399 and elective with 300411 Research Methodology & Experimental Design and 300687 Science Research Project OR replacing 300399 and elective with 300687 Science Research Project - PG

Students intending to exit with a Graduate Diploma in Science (Occupational Safety, Health & Environmental Management) will need to complete the following:

Year 2

Autumn session

300398.1	Methods of Researching
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Elective

Full-time (Mid-year intake)

Spring session

300396.1	Developing Professional Practice
300397.1	Perspectives of Sustainable Development
300411.2	Research Methodology and Experimental Design
300687.1	Science Research Project PG

Autumn session

300391.1	Occupational Health Management
300677.1	Safety and Risk Management
300411.2	Research Methodology and Experimental Design
300687.1	Science Research Project PG

Note: there is no exit structure available from the full-time mid year intake.

Part-time (Mid-year intake)**Year 1****Spring session**

300396.1	Developing Professional Practice
300397.1	Perspectives of Sustainable Development

Autumn session

300391.1	Occupational Health Management
300677.1	Safety and Risk Management

Students studying at Masters level will need to complete the following:

Year 2**Spring session**

Choose one of:

300398.1	Methods of Researching
300411.2	Research Methodology and Experimental Design

Choose one of:

300400.1	Managing for Sustainable Development
300687.1	Science Research Project PG

Autumn session

Choose one of:

300411.2	Research Methodology and Experimental Design
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Elective

Choose one of:

300399.1	Researching Professional Issues
300687.1	Science Research Project PG

Note: part-time students have the option (with permission of Head of Program) of: replacing 300398 - Methods of Researching, 300400 - Managing for Sustainable Development, 300399 - Researching Professional Issues and elective with 300411 Research Methodology & Experimental Design and 300687 Science Research Project OR replacing 300399 and elective with 300687 Science Research Project - PG

Students intending to exit with a Graduate Diploma in Science (Occupational Safety, Health & Environmental Management) will need to complete the following:

Year 2**Spring session**

300398.1	Methods of Researching
300400.1	Managing for Sustainable Development

Specialisation - Environmental Management**ST3001.1**

This specialisation aims to promote a better understanding of the interrelationship between the environment and human society. It requires students to investigate the environmental implications of human activity and the impacts of development and technology on the natural and built environments. It is intended to produce environmental managers who can develop integrated holistic approaches to issues around planning, assessment and management of the environment. The goal is to find balanced, sustainable solutions that are ethically and socially acceptable and which arrest the decline in the quality of the earth's environment. Students will learn to critically evaluate the social, economic and environmental impacts of policy and management decisions and analyse current and emerging issues in environmental management. They will also develop the skills to develop new or adapt current strategies and to take a leadership role in responding to change in this very dynamic and challenging field. Students enrolled in the Masters will be required to undertake a half year pilot research project and develop a change management strategy for a current EM issue.. This course is suited for students who are already working in this field, as well as those who want a career change to an environmental management role. It is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

Offer

Campus	Mode
Hawkesbury Campus	Multi Modal

Unit Set Structure**Master of Science (Environmental Management)**

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

300689.1	Environmental Management Systems
300690.1	Environmental Assessment

- 300411.2** Research Methodology and Experimental Design
300687.1 Science Research Project PG

Spring session

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Note: there is no exit structure available from the full-time start year intake.

Part-time (Start year intake)**Year 1****Autumn session**

- 300689.1** Environmental Management Systems
300690.1 Environmental Assessment

Spring session

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development

Students studying at Masters level will need to complete the following:

Year 2**Autumn session**

Choose one of:

- 300398.1** Methods of Researching
300411.2 Research Methodology and Experimental Design

Choose one of:

- 300687.1** Science Research Project PG

Elective

Spring session

Choose one of:

- 300400.1** Managing for Sustainable Development
300411.2 Research Methodology and Experimental Design

Choose one of:

- 300399.1** Researching Professional Issues
300687.1 Science Research Project PG

Note: part-time students have the option (with permission of Head of Program) of: replacing 300398 - Methods of Researching, 300400 - Managing for Sustainable Development, 300399 - Researching Professional Issues and elective with 300411 Research Methodology & Experimental Design and 300687 Science Research Project OR replacing 300399 and elective with 300687 Science Research Project - PG.

Students intending to exit with a Graduate Diploma in Science (Environmental Management) will need to complete the following:

Year 2**Autumn session**

- 300398.1** Methods of Researching

Elective

Full-time (Mid-year intake)**Spring session**

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Autumn session

- 300689.1** Environmental Management Systems
300690.1 Environmental Assessment
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Note: there is no exit structure available from the full-time mid year intake.

Part-time (Mid-year intake)**Year 1****Spring session**

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development

Autumn session

- 300689.1** Environmental Management Systems
300690.1 Environmental Assessment

Students studying at Masters level will need to complete the following:

Year 2**Spring session**

Choose one of:

- 300398.1** Methods of Researching
300411.2 Research Methodology and Experimental Design

Choose one of:

- 300400.1** Managing for Sustainable Development
300687.1 Science Research Project PG

Autumn session

Choose one of:

300411.2 Research Methodology and Experimental Design

Elective

Choose one of:

- 300399.1** Researching Professional Issues
300687.1 Science Research Project PG

Note: part-time students have the option (with permission of Head of Program) of: replacing 300398 - Methods of Researching, 300400 - Managing for Sustainable Development, 300399 - Researching Professional Issues and elective with 300411 Research Methodology & Experimental Design and 300687 Science Research Project OR replacing 300399 and elective with 300687 Science Research Project - PG.

Students intending to exit with a Graduate Diploma in Science (Environmental Management) will need to complete the following:

Year 2**Spring session**

- 300398.1** Methods of Researching
300400.1 Managing for Sustainable Development

Specialisation - Occupational & Environmental Hygiene

ST3002.1

The Occupational & Environmental Hygiene specialisation provides advanced theoretical and practical knowledge in the occupational and environmental hygiene field. It provides students with high level scientific and professional skills in occupational and environmental hygiene. Students will be introduced to the underpinning theory, practice and application of a range of advanced analytical techniques used in occupational and environmental hygiene. They will explore the strengths and weaknesses of the various methods, and develop expertise in using them to measure exposures to chemical and biological pollutants, ergonomics, noise, heat & cold and lighting in the workplace. Students will also explore the various methods available of controlling the different types of exposures. Students enrolled in the Masters will be required to undertake a full year research project. It is most suited for students who have a health, safety and environmental management background; although it can be undertaken by students in allied fields who want a career change to an Occupational & Environmental Hygiene role. It is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

Offer

Campus	Mode
Hawkesbury Campus	Multi Modal

Unit Set Structure**Master of Science (Occupational & Environmental Hygiene)**

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

- 300391.1** Occupational Health Management
300682.1 Occupational and Environmental Hygiene
300398.1 Methods of Researching
300687.1 Science Research Project PG

Spring session

- 300396.1** Developing Professional Practice
300678.1 Advanced Analytical Techniques
300687.1 Science Research Project PG

Choose one of:

- 400850.1** Professional Topic

Elective

Note: there is no exit structure available from the full-time start year intake.

Part-time (Start year intake)**Year 1****Autumn session**

- 300391.1** Occupational Health Management
300682.1 Occupational and Environmental Hygiene

Spring session

- 300678.1** Advanced Analytical Techniques
300398.1 Methods of Researching

Year 2**Autumn session**

- 300687.1** Science Research Project PG

Elective

At this point, students can exit with a Graduate Diploma in Science (Occupational & Environmental Hygiene).

Spring session

- 300396.1** Developing Professional Practice
300687.1 Science Research Project PG

Full-time (Mid-year intake)**Spring session**

- 300396.1** Developing Professional Practice
300678.1 Advanced Analytical Techniques
300687.1 Science Research Project PG

Choose one of:

400850.1 Professional Topic

Elective

Autumn session

300391.1 Occupational Health Management
300682.1 Occupational and Environmental Hygiene
300398.1 Methods of Researching
300687.1 Science Research Project PG

Note: there is no exit structure available from the full-time mid year intake.

Part-time (Mid-year intake)

Year 1

Spring session

300396.1 Developing Professional Practice
300678.1 Advanced Analytical Techniques

Autumn session

300391.1 Occupational Health Management
300682.1 Occupational and Environmental Hygiene

Students studying at Masters level will need to complete the following:

Year 2

Spring session

300398.1 Methods of Researching
300687.1 Science Research Project PG

Autumn session

300687.1 Science Research Project PG

Elective

Students intending to exit with a Graduate Diploma in Science (Occupational & Environmental Hygiene) will need to complete the following:

Year 2

Spring session

300398.1 Methods of Researching

Elective

Specialisation - Climate Change & Sustainable Resource Management

ST3003.1

This specialisation provides professional environmental resource managers a range of opportunities to upgrade their leadership skills and competencies of climate change mitigation and adaptation. The complex and uncertain

nature of climate change will require increased foresight and the application of a range of practical skills across many sectors and professions for climate change adaptation and mitigation process. This specialisation will provide knowledge, skills and practices to effectively prepare towards responding to climate change and building resilience in communities, resources and industries. Students will have opportunities in learning the impacts of soils, climate, water and their interactions on rural, peri-urban and urban landscapes. They are able to analyse strategies and tactics employed in their own area of work to minimise risks and maximise opportunities related to climate change and climate variability. Experience gained will enhance their skills and competencies for evaluating and adapting appropriate resource management strategies and policy development. They will also develop the skills to develop new or adapt current strategies and to take a leadership role in responding to change in this very dynamic and challenging field. Students enrolled in the Masters will be required to undertake a half year pilot research project and develop a change management strategy for a current SRM issue. It is offered in both full time and part time modes with a multimodal attendance pattern through a combination of compulsory on-campus workshops, facilitated on-campus tutorials, and extensive use of the UWS e-learning support system.

Offer

Campus	Mode
Hawkesbury Campus	Multi Modal

Unit Set Structure

Master of Science (Climate Change & Sustainable Resource Management)

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

300681.1 Climate Change Impacts
300686.1 Sustainable Resource Management
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Spring session

300396.1 Developing Professional Practice
300397.1 Perspectives of Sustainable Development
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Note: there is no exit structure available from the full-time start year intake.

Part-time (Start year intake)**Year 1****Autumn session**

- 300681.1** Climate Change Impacts
300686.1 Sustainable Resource Management

Spring session

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development

Students studying at Masters level will need to complete the following:

Year 2**Autumn session**

Choose one of:

- 300398.1** Methods of Researching
300411.2 Research Methodology and Experimental Design

Choose one of:

- 300687.1** Science Research Project PG

Elective

Spring session

Choose one of:

- 300400.1** Managing for Sustainable Development
300411.2 Research Methodology and Experimental Design

Choose one of:

- 300399.1** Researching Professional Issues
300687.1 Science Research Project PG

Note: part-time students have the option (with permission of Head of Program) of: replacing 300398 - Methods of Researching, 300400 - Managing for Sustainable Development, 300399 - Researching Professional Issues and elective with 300411 Research Methodology & Experimental Design and 300687 Science Research Project OR replacing 300399 and elective with 300687 Science Research Project - PG

Students intending to exit with a Graduate Diploma in Science (Climate Change & Sustainable Resource Management) will need to complete the following:

Year 2**Autumn session**

- 300398.1** Methods of Researching

Elective

Full-time (Mid-year intake)**Spring session**

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Autumn session

- 300681.1** Climate Change Impacts
300686.1 Sustainable Resource Management
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Note: there is no exit structure available from the full-time mid year intake.

Part-time (Mid-year intake)**Year 1****Spring session**

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development

Autumn session

- 300681.1** Climate Change Impacts
300686.1 Sustainable Resource Management

Students studying at Masters level will need to complete the following:

Year 2**Spring session**

Choose one of:

- 300398.1** Methods of Researching
300411.2 Research Methodology and Experimental Design

Choose one of:

- 300400.1** Managing for Sustainable Development
300687.1 Science Research Project PG

Autumn session

Choose one of:

- 300411.2** Research Methodology and Experimental Design

Elective

Choose one of:

- 300399.1** Researching Professional Issues
300687.1 Science Research Project PG

Note: part-time students have the option (with permission of Head of Program) of: replacing 300398 - Methods of Researching, 300400 - Managing for Sustainable Development, 300399 - Researching Professional Issues and elective with 300411 Research Methodology & Experimental Design and 300687 Science Research Project OR replacing 300399 and elective with 300687 Science Research Project - PG

Students intending to exit with a Graduate Diploma in Science (Climate Change & Sustainable Resource Management) will need to complete the following:

Year 2

Spring session

- 300398.1** Methods of Researching
300400.1 Managing for Sustainable Development

Specialisation - Biotechnology

ST3004.1

This specialisation aims to provide advanced education in biotechnology and to prepare students for diverse careers in this field. It is designed mainly for students who have a first degree in basic biological or chemical sciences but little prior education in biotechnology. Biotechnology applies scientific and engineering principles to the processing of material by biological agents to provide goods and services. The requirements for biotechnologists are as diverse as the purposes for which microbial, plant and animal cells have been harnessed to produce food, medicines and chemicals useful to mankind. This specialisation will encourage students to actively participate in the learning process. Opportunities for student planning and development of projects based upon a strong understanding of fundamental concepts and processes will be provided. Multidisciplinary knowledge and practical skills will be integrated to provide a hands-on problem solving approach. Students enrolled in the Masters will be required to undertake a full year biotechnology research project. It is offered in both full time and part time modes with compulsory on-campus attendance required.

Offer

Campus	Mode
Hawkesbury Campus	Multi Modal

Unit Set Structure

Master of Science (Biotechnology)

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

- 300680.1** Biotechnology Analytical Techniques
300683.1 Principles & Practice of Biotechnology 1
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Spring session

- 300678.1** Advanced Analytical Techniques
300684.1 Principles & Practice of Biotechnology 2

- 300411.2** Research Methodology and Experimental Design
300687.1 Science Research Project PG

Part-time (Start year intake)

Year 1

Autumn session

- 300680.1** Biotechnology Analytical Techniques
300683.1 Principles & Practice of Biotechnology 1

Spring session

- 300678.1** Advanced Analytical Techniques
300684.1 Principles & Practice of Biotechnology 2

Year 2

Autumn session

- 300411.2** Research Methodology and Experimental Design
300687.1 Science Research Project PG

Spring session

- 300411.2** Research Methodology and Experimental Design
300687.1 Science Research Project PG

Full-time (Mid-year intake)

Spring session

- 300678.1** Advanced Analytical Techniques
300684.1 Principles & Practice of Biotechnology 2
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Autumn session

- 300680.1** Biotechnology Analytical Techniques
300683.1 Principles & Practice of Biotechnology 1
300411.2 Research Methodology and Experimental Design
300687.1 Science Research Project PG

Note: there is no exit structure available from the full-time mid year intake.

Part-time (Mid-year intake)

Year 1

Spring session

- 300678.1** Advanced Analytical Techniques
300684.1 Principles & Practice of Biotechnology 2

Autumn session

- 300680.1** Biotechnology Analytical Techniques
300683.1 Principles & Practice of Biotechnology 1

Year 2**Spring session**

- 300411.2** Research Methodology and Experimental Design
300687.1 Science Research Project PG

Autumn session

- 300411.2** Research Methodology and Experimental Design
300687.1 Science Research Project PG

Specialisation - Research Studies**ST3005.1****Offer**

Campus	Mode
Hawkesbury Campus	Multi Modal

Unit Set Structure**Master of Science (Research Studies)**

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

- 300398.1** Methods of Researching

Research Philosophy and Methodology or Advanced Research Methods topic chosen from a prescribed list as for 2724 Graduate Certificate in Research Studies.
 2724 Graduate Certificate in Research Studies

- 200361.1** Advanced Thesis Preparation

Choose one of:

Elective

- 400850.1** Professional Topic

Spring session

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development
200361.1 Advanced Thesis Preparation
300399.1 Researching Professional Issues

Part-time (Start year intake)**Year 1****Autumn session**

- 300398.1** Methods of Researching
200361.1 Advanced Thesis Preparation

Spring session

- 300397.1** Perspectives of Sustainable Development
200361.1 Advanced Thesis Preparation

Year 2**Autumn session**

Research Philosophy and Methodology or Advanced Research Methods topic chosen from a prescribed list as for 2724 Graduate Certificate in Research Studies.

Choose one of:

Elective

- 400850.1** Professional Topic

Spring session

- 300399.1** Researching Professional Issues
300397.1 Perspectives of Sustainable Development

Full-time (Mid year intake)**Spring session**

- 300396.1** Developing Professional Practice
300397.1 Perspectives of Sustainable Development
200361.1 Advanced Thesis Preparation

Choose one of:

Elective

- 400850.1** Professional Topic

Autumn session

- 300398.1** Methods of Researching
200361.1 Advanced Thesis Preparation
300399.1 Researching Professional Issues

Choose one of:

Research Philosophy and Methodology or Advanced Research Methods topic chosen from a prescribed list as for 2724 Graduate Certificate in Research Studies.

Part-time (Mid-year intake)**Year 1****Spring session**

- 300398.1** Methods of Researching
300397.1 Perspectives of Sustainable Development

Autumn session

Choose one of:

Research Philosophy and Methodology or Advanced Research Methods topic chosen from a prescribed list as for 2724 Graduate Certificate in Research Studies.

Choose one of:

Elective

- 400850.1** Professional Topic

Year 2**Spring session**

- 300396.1** Developing Professional Practice
200361.1 Advanced Thesis Preparation

Autumn session

- 200361.1** Advanced Thesis Preparation
300399.1 Researching Professional Issues

Specialisation - Web Engineering**ST3006.1****Unit Set Structure**

- 300437.1** XML and Web Services
300443.1 Web Engineering
300692.1 Workflow Management Systems
300697.1 Content Management Systems & Web Analytics

Specialisation - Networking**ST3007.1****Unit Set Structure**

Any four units from the following:

- 300252.1** Advanced Topics in Networking
300255.1 Network Management
300256.1 Multimedia Communication Systems
300389.1 Wireless Networking
300696.1 Systems and Network Security

Specialisation - Health Services Management**ST4000.1**

This specialisation is designed for managers who require skills in contemporary management and their application in the health care setting. Particular emphasis is placed on critical and analytic skills in policy analysis, economic evaluation and epidemiology, thus providing graduates with the ability to respond creatively to changes as they arise. Health managers need to be current with developments in the general business area so potential in the health care setting can be evaluated and appropriate initiatives implemented. Particular specialty units include Strategy Analysis, Decision Making Human Resource Management, also Quality and Safety in Health Care.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure**Master of Health Science (Health Services Management)**

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
51109.1 Strategic Analysis and Decision-Making
46518.1 Human Resource Management

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Health Services Management) at this point.

- 400777.2** Leadership for Quality and Safety in Health Care

Choose one of

- 400850.1** Professional Topic

Elective

Part-time (Start year intake)**Year 1****Autumn session**

- 51109.1** Strategic Analysis and Decision-Making

Choose one of

- 400416.1** Public Health, Policy and Society
400238.2 Policy, Power and Politics in Health Care Provision

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Year 2**Autumn session**

- 400846.2** Building Organisational Capacity in Health Care
46518.1 Human Resource Management

Students may exit with a Graduate Diploma in Health Science (Health Services Management) at this point.

Spring session

- 400777.2** Leadership for Quality and Safety in Health Care

Choose one of

400850.1 Professional Topic

Elective

Full-time (Mid-year intake)

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management
400777.2 Leadership for Quality and Safety in Health Care

Choose one of

400850.1 Professional Topic

Elective

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
51109.1 Strategic Analysis and Decision-Making
46518.1 Human Resource Management

Part-time (Mid-year intake)

Year 1

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Autumn session

400416.1 Public Health, Policy and Society
51109.1 Strategic Analysis and Decision-Making

Year 2

Spring session

400777.2 Leadership for Quality and Safety in Health Care

Choose one of

400850.1 Professional Topic

Elective

Autumn session

400846.2 Building Organisational Capacity in Health Care
46518.1 Human Resource Management

Graduate Diploma in Health Science (Health Services Management)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
51109.1 Strategic Analysis and Decision-Making
46518.1 Human Resource Management

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)

Year 1

Autumn session

400416.1 Public Health, Policy and Society
51109.1 Strategic Analysis and Decision-Making

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

400846.2 Building Organisational Capacity in Health Care
46518.1 Human Resource Management

Specialisation - Aged Care Management

ST4001.1

This specialisation is offered in external mode which means all units are web based. Staff working in health and aged care organisations, charitable and private sectors especially those in supervisory and management positions will find this exposes them to contemporary issues in aged care, allowing them to up-skill management knowledge to position themselves in the forefront of innovation in the delivery and organisation of quality aged care. Speciality units include Health and Socio-Political Issues in Aged Care, Leadership in Quality & Safety in Health Care and Health Workforce Planning. Students have an opportunity to undertake Professional Topic or an elective.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure

Master of Health Science (Aged Care Management)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

- 400238.2** Policy, Power and Politics in Health Care Provision
400778.2 Leadership and the Development of Organisational Capacity
400837.2 Health and Socio-political Issues in Aged Care
400843.1 Health Workforce Planning

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Aged Care Management) at this point.

- 400777.2** Leadership for Quality and Safety in Health Care

Choose one of
Elective

- 400850.1** Professional Topic

Part-time (Start year intake)

Year 1

Autumn session

- 400238.2** Policy, Power and Politics in Health Care Provision
400837.2 Health and Socio-political Issues in Aged Care

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

- 400778.2** Leadership and the Development of Organisational Capacity
400843.1 Health Workforce Planning

Students may exit with a Graduate Diploma in Health Science (Aged Care Management) at this point.

Spring session

- 400777.2** Leadership for Quality and Safety in Health Care

Choose one of
Elective

- 400850.1** Professional Topic

Full-time (Mid-year intake)

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management
400777.2 Leadership for Quality and Safety in Health Care

Choose one of
Elective

- 400850.1** Professional Topic

Autumn session

- 400238.2** Policy, Power and Politics in Health Care Provision
400778.2 Leadership and the Development of Organisational Capacity
400837.2 Health and Socio-political Issues in Aged Care
400843.1 Health Workforce Planning

Part-time (Mid-year intake)

Year 1

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Autumn session

- 400238.2** Policy, Power and Politics in Health Care Provision
400837.2 Health and Socio-political Issues in Aged Care

Year 2

Spring session

- 400777.2** Leadership for Quality and Safety in Health Care

Choose one of
Elective

- 400850.1** Professional Topic

Autumn session

- 400778.2** Leadership and the Development of Organisational Capacity
400843.1 Health Workforce Planning

Graduate Diploma in Health Science (Aged Care Management)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

- 400238.2** Policy, Power and Politics in Health Care Provision
400778.2 Leadership and the Development of Organisational Capacity
400837.2 Health and Socio-political Issues in Aged Care
400843.1 Health Workforce Planning

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)

Year 1

Autumn session

- 400238.2** Policy, Power and Politics in Health Care Provision
400837.2 Health and Socio-political Issues in Aged Care

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

- 400778.2** Leadership and the Development of Organisational Capacity
400843.1 Health Workforce Planning

Specialisation - Health Planning

ST4002.1

All managers undertake forward planning to proactively manage future services and identify workforce and facility requirements. This specialisation keeps students up to date with current forward planning approaches and initiatives in health and other sectors that work with health. Students are exposed to the process of planning, how to set goals and objectives, monitor and evaluate performance outcomes. Current issues are explored in the specialty units Health Services and Facilities Planning, Workforce Planning and also Quality and Safety in Health Care.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure

Master of Science (Health Planning)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
400843.1 Health Workforce Planning
400844.1 Health Services and Facilities Planning

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Health Planning) at this point.

- 400777.2** Leadership for Quality and Safety in Health Care

Choose one of

- 400850.1** Professional Topic

Elective

Part-time (Start year intake)

Year 1

Autumn session

- 400416.1** Public Health, Policy and Society
400843.1 Health Workforce Planning

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

- 400846.2** Building Organisational Capacity in Health Care
400844.1 Health Services and Facilities Planning

Students may exit with a Graduate Diploma in Health Science (Health Planning) at this point.

Spring session

- 400777.2** Leadership for Quality and Safety in Health Care

Choose one of

400850.1 Professional Topic

Elective

Full-time (Mid-year intake)

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management
400777.2 Leadership for Quality and Safety in Health Care

Choose one of

400850.1 Professional Topic

Elective

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
400843.1 Health Workforce Planning
400844.1 Health Services and Facilities Planning

Part-time (Mid-year intake)

Year 1

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Autumn session

400416.1 Public Health, Policy and Society
400843.1 Health Workforce Planning

Year 2

Spring session

400777.2 Leadership for Quality and Safety in Health Care

Choose one of

400850.1 Professional Topic

Elective

Autumn session

400846.2 Building Organisational Capacity in Health Care
400844.1 Health Services and Facilities Planning

Graduate Diploma in Health Science (Health Planning)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
400843.1 Health Workforce Planning
400844.1 Health Services and Facilities Planning

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)

Year 1

Autumn session

400416.1 Public Health, Policy and Society
400843.1 Health Workforce Planning

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

400846.2 Building Organisational Capacity in Health Care
400844.1 Health Services and Facilities Planning

Specialisation - International Health

ST4003.1

This specialisation broadens the public health approach of looking at all determinants of health, which include broader social and environmental factors in addition to physical risk factors to include international health studies. For this, students will study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. The focus of practical skills is in Communicable Diseases, and students will integrate research, analytical and practical skills in the evaluation of contemporary public health issues.

Offer

Campus

Mode

Parramatta Campus Multi Modal

Unit Set Structure

Master of Health Science (International Health)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
300398.1 Methods of Researching
400841.1 A Global Perspective on Social Determinants of Health

Spring session

- 400840.1** Communicable Diseases
400967.1 Health Economics and Comparative Health Systems

Students may exit with a Graduate Diploma in Health Science (International Health) at this point.

- 400417.1** Epidemiology and Quantitative Methods

Choose one of
 Elective

- 400850.1** Professional Topic

Part-time (Start year intake)

Year 1

Autumn session

- 400416.1** Public Health, Policy and Society
400841.1 A Global Perspective on Social Determinants of Health

Spring session

- 400840.1** Communicable Diseases
400967.1 Health Economics and Comparative Health Systems

Year 2

Autumn session

- 400846.2** Building Organisational Capacity in Health Care
300398.1 Methods of Researching

Students may exit with a Graduate Diploma in Health Science (International Health) at this point.

Spring session

- 400417.1** Epidemiology and Quantitative Methods

Choose one of

- 400850.1** Professional Topic

Elective

Full-time (Mid-year intake)

Spring session

- 400840.1** Communicable Diseases
400967.1 Health Economics and Comparative Health Systems
400417.1 Epidemiology and Quantitative Methods

Choose one of

- 400850.1** Professional Topic

Elective

Autumn session

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
300398.1 Methods of Researching
400841.1 A Global Perspective on Social Determinants of Health

Part-time (Mid-year intake)

Year 1

Spring session

- 400840.1** Communicable Diseases
400967.1 Health Economics and Comparative Health Systems

Autumn session

- 400416.1** Public Health, Policy and Society
400841.1 A Global Perspective on Social Determinants of Health

Year 2

Spring session

- 400417.1** Epidemiology and Quantitative Methods

Choose one of

- 400850.1** Professional Topic

Elective

Autumn session

- 400846.2** Building Organisational Capacity in Health Care
300398.1 Methods of Researching

Graduate Diploma in Health Science (International Health)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care
300398.1	Methods of Researching
400841.1	A Global Perspective on Social Determinants of Health

Spring session

400840.1	Communicable Diseases
400967.1	Health Economics and Comparative Health Systems

Part-time (Start year intake)**Year 1****Autumn session**

400416.1	Public Health, Policy and Society
400841.1	A Global Perspective on Social Determinants of Health

Spring session

400840.1	Communicable Diseases
400967.1	Health Economics and Comparative Health Systems

Year 2**Autumn session**

400846.2	Building Organisational Capacity in Health Care
300398.1	Methods of Researching

Specialisation - Health Promotion**ST4004.1**

In addition to the four core units, this specialty includes Health Promotion Health Advancement and A Global Perspective on Social Determinants of Health. Students are taken through the process of health needs analysis, risk and protective factors, planning, writing grant applications and evaluating interventions, based on identified competency requirements.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure**Master of Health Science (Health Promotion)**

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care
400418.1	Health Advancement and Health Promotion
400841.1	A Global Perspective on Social Determinants of Health

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Health Promotion) at this point.

Elective

Choose one of

Elective

400850.1	Professional Topic
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Part-time (Start year intake)**Year 1****Autumn session**

400416.1	Public Health, Policy and Society
400418.1	Health Advancement and Health Promotion

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Year 2**Autumn session**

400846.2	Building Organisational Capacity in Health Care
400841.1	A Global Perspective on Social Determinants of Health

Students may exit with a Graduate Diploma in Health Science (Health Promotion) at this point.

Elective

Choose one of

Elective

400850.1	Professional Topic
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Full-time (Mid-year intake)**Spring session**

300398.1 Methods of Researching
400845.1 Health Financial Management

Elective

Choose one of

Elective

400850.1 Professional Topic

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
400418.1 Health Advancement and Health Promotion
400841.1 A Global Perspective on Social Determinants of Health

Part-time (Mid-year intake)**Year 1****Spring session**

300398.1 Methods of Researching
400845.1 Health Financial Management

Autumn session

400416.1 Public Health, Policy and Society
400418.1 Health Advancement and Health Promotion

Year 2**Spring session**

Elective

Choose one of

Elective

400850.1 Professional Topic

Autumn session

400846.2 Building Organisational Capacity in Health Care
400841.1 A Global Perspective on Social Determinants of Health

Graduate Diploma in Health Science (Health Promotion)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care

400418.1 Health Advancement and Health Promotion
400841.1 A Global Perspective on Social Determinants of Health

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)**Year 1****Autumn session**

400416.1 Public Health, Policy and Society
400418.1 Health Advancement and Health Promotion

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Year 2**Autumn session**

400846.2 Building Organisational Capacity in Health Care
400841.1 A Global Perspective on Social Determinants of Health

Specialisation - Occupational Health & Safety**ST4005.1**

Specialisation units include Occupational Health Management and Safety and Risk Management which focus on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. The legal underpinning of OHS requirements at the workplace are also covered. Students may select two electives to suit their career aspirations.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure

Master of Health Science (Occupational Health & Safety)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care
300391.1	Occupational Health Management
300677.1	Safety and Risk Management

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Occupational Health & Safety) at this point.

Elective

Choose one of

400850.1	Professional Topic
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Elective

Part-time (Start year intake)

Year 1

Autumn session

400416.1	Public Health, Policy and Society
300391.1	Occupational Health Management

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Year 2

Autumn session

400846.2	Building Organisational Capacity in Health Care
300677.1	Safety and Risk Management

Students may exit with a Graduate Diploma in Health Science (Occupational Health & Safety) at this point.

Spring session

Elective

Choose one of

400850.1	Professional Topic
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Elective

Full-time (Mid-year intake)

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Elective

Choose one of

400850.1	Professional Topic
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Elective

Autumn session

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care
300391.1	Occupational Health Management
300677.1	Safety and Risk Management

Part-time (Mid-year intake)

Year 1

Spring session

300398.1	Methods of Researching
400845.1	Health Financial Management

Autumn session

400416.1	Public Health, Policy and Society
300391.1	Occupational Health Management

Year 2

Spring session

Elective

Choose one of

400850.1	Professional Topic
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Elective

Autumn session

400846.2	Building Organisational Capacity in Health Care
300677.1	Safety and Risk Management

Graduate Diploma in Health Science (Occupational Health & Safety)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

400416.1	Public Health, Policy and Society
400846.2	Building Organisational Capacity in Health Care
300391.1	Occupational Health Management
300677.1	Safety and Risk Management

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)**Year 1****Autumn session**

400416.1 Public Health, Policy and Society
300391.1 Occupational Health Management

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Year 2**Autumn session**

400846.2 Building Organisational Capacity in Health Care
300677.1 Safety and Risk Management

Specialisation - Occupational & Environmental Hygiene**ST4006.1**

The specialisation includes the units Occupational and Enviro Hygiene also Air Water and Noise Management. They show students the methods involved in measuring potential hazards, how to compare results with current standards before recommending methods of control. Hazards such as chemical and biological pollutants, ergonomics, noise, heat, cold and lighting in both the workplace and general indoor environment, and the various methods are considered. A range of skills required to assess the environment in relation to air, water and noise and underpinning legislative framework are explored.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure**Master of Health Science (Occupational & Environmental Hygiene)**

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

400416.1 Public Health, Policy and Society

400846.2 Building Organisational Capacity in Health Care
300679.1 Air, Water and Noise Management
300682.1 Occupational and Environmental Hygiene

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Occupational & Environmental Hygiene Specialisation) at this point.

Elective

Choose one of

400850.1 Professional Topic

Elective

Part-time (Start year intake)**Year 1****Autumn session**

400416.1 Public Health, Policy and Society
300679.1 Air, Water and Noise Management

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Year 2**Autumn session**

400846.2 Building Organisational Capacity in Health Care
300682.1 Occupational and Environmental Hygiene

Students may exit with a Graduate Diploma in Health Science (Occupational & Environmental Hygiene) at this point.

Elective

Choose one of

400850.1 Professional Topic

Elective

Full-time (Mid-year intake)**Spring session**

300398.1 Methods of Researching
400845.1 Health Financial Management

Elective

Choose one of

400850.1 Professional Topic

Elective

Autumn session

400416.1 Public Health, Policy and Society

- 400846.2** Building Organisational Capacity in Health Care
300679.1 Air, Water and Noise Management
300682.1 Occupational and Environmental Hygiene

Part-time (Mid-year intake)

Year 1

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Autumn session

- 400416.1** Public Health, Policy and Society
300679.1 Air, Water and Noise Management

Year 2

Spring session

Elective

Choose one of

- 400850.1** Professional Topic

Elective

Autumn session

- 400846.2** Building Organisational Capacity in Health Care
300682.1 Occupational and Environmental Hygiene

Graduate Diploma in Health Science (Occupational & Environmental Hygiene)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
300679.1 Air, Water and Noise Management
300682.1 Occupational and Environmental Hygiene

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)

Year 1

Autumn session

- 400416.1** Public Health, Policy and Society
300679.1 Air, Water and Noise Management

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

- 400846.2** Building Organisational Capacity in Health Care
300682.1 Occupational and Environmental Hygiene

Specialisation - Human Resource Management and Industrial Relations

ST4007.1

This specialisation will no longer be offered from 2009. This specialisation is designed for graduates who wish to contribute to human resource management and industrial relations in the health sector, but also equips line managers and senior managers with the requisite knowledge of problems and processes to tackle people issues effectively and strategically. HRM, IR and Dynamics of the Workplace Environment are the specialty units studied to develop understanding of these key functional areas. Students also have scope to choose an elective unit from a pool unit that suits their particular career demands or interests (such as human resource development, work and society, or law).

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure

This Specialisation is no longer offered.

Master of Health Science (Human Resource Management and Industrial Relations)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
46518.1 Human Resource Management
46525.1 The Industrial Relations Process

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Human Resource Management and Industrial Relations) at this point.

200359.1 Dynamics of Workplace Management

Elective (from list of Alternate units below)

Part-time (Start year intake)

Year 1

Autumn session

400416.1 Public Health, Policy and Society
46518.1 Human Resource Management

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

400846.2 Building Organisational Capacity in Health Care
46525.1 The Industrial Relations Process

Students may exit with a Graduate Diploma in Health Science (Human Resource Management and Industrial Relations) at this point.

Spring session

200359.1 Dynamics of Workplace Management

Elective (from list of Alternate units below)

Full-time (Mid-year intake)

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management
46518.1 Human Resource Management
46525.1 The Industrial Relations Process

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
46518.1 Human Resource Management
46525.1 The Industrial Relations Process

Part-time (Mid-year intake)

Year 1

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Autumn session

400416.1 Public Health, Policy and Society
46518.1 Human Resource Management

Year 2

Spring session

200359.1 Dynamics of Workplace Management

Elective (from list of Alternate units below)

Autumn session

400846.2 Building Organisational Capacity in Health Care
46525.1 The Industrial Relations Process

Alternate units (Human Resource Management and Industrial Relations Specialisation)

46517.1 Employment Relations Practice
46519.1 Employment Relations Strategy and Change
46530.1 Themes in International and Comparative Employment Relations
46557.1 International Human Resource Management
47021.1 Work and Society
48024.1 Employment Relations Law
51031.1 Managing Diversity
51034.1 Human Resource Management Processes and Systems
51106.1 Contemporary Issues in Employment Relations
51147.1 International Perspectives on Workplace Reform
51178.1 Occupational Health and Safety (PG)
51200.1 Employment Relations Thesis Preparation (PG)
51280.1 Remuneration Theory and Practice (PG)
51300.1 Negotiation, Bargaining and Advocacy (PG)
69094.1 Occupational Health and Safety Law (PG)

Graduate Diploma in Health Science (Human Resource Management and Industrial Relations)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
46518.1 Human Resource Management
46525.1 The Industrial Relations Process

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)

Year 1

Autumn session

400416.1 Public Health, Policy and Society
46518.1 Human Resource Management

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Year 2

Autumn session

400846.2 Building Organisational Capacity in Health Care
46525.1 The Industrial Relations Process

Specialisation - Operations Management

ST4008.1

This specialisation will no longer be offered from 2009. The main objective of this specialty is to see the role of operations, as an important element of corporate strategy and a means of enhancing customer value in an organisation. Specialty units include Operations Management which covers a range of quantitative techniques to analyse problems and make recommendations for future action. A series of cases provide simulated experience in the management of operations. Management of Quality provides an introduction to quality management principles, quality management systems and the quality tools and techniques needed for creating customer value and improving competitiveness and organisational effectiveness. Students may select two electives to suit their career aspirations.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure

This Specialisation is no longer offered.

Master of Health Science (Operations Management)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
200223.1 Operations Management
200224.1 Management of Quality

Spring session

300398.1 Methods of Researching

400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Operations Management) at this point.

Choose two electives (from list of Alternate units below)

Part-time (Start year intake)

Year 1

Autumn session

400416.1 Public Health, Policy and Society
200223.1 Operations Management

Spring session

200224.1 Management of Quality
400845.1 Health Financial Management

Year 2

Autumn session

400846.2 Building Organisational Capacity in Health Care
300398.1 Methods of Researching

Students may exit with a Graduate Diploma in Health Science (Operations Management) at this point.

Spring session

Choose two electives (from list of Alternate units below)

Full-time (Mid-year intake)

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management
200223.1 Operations Management
200224.1 Management of Quality

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care

Choose two electives (from list of Alternate units below)

Part-time (Mid-year intake)

Year 1

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Autumn session

400416.1 Public Health, Policy and Society
200223.1 Operations Management

Year 2

Spring session

Choose two electives (from list of Alternate units below)

Autumn session

- 400846.2** Building Organisational Capacity in Health Care
200224.1 Management of Quality

Alternate units (Operations Management Specialisation)

- H7068.1** Long Term Scenario Analysis
H7072.1 Risk Management
H7104.1 Strategic Technology Management
51230.1 Statistical Process Control
51240.1 Project Management
51255.1 Law and Contracts Management
51257.1 Manufacturing Resource Planning
51259.1 Purchasing and Materials Management
51260.1 Research and Development Management
51276.1 Business Re-engineering
51277.1 Innovation and Entrepreneurship
51278.1 Business Research Paper
51286.1 Contemporary Engineering Organisation and Management Practice
200185.1 Analysis for Managerial Decision-Making
200223.1 Operations Management
200224.1 Management of Quality
200329.1 Supply Chain Management
200227.1 Performance Measurement and Benchmarking
200225.1 Quality Planning and Analysis
200226.1 Quality Systems and Business Performance
200228.1 Assets and Maintenance Management

Graduate Diploma in Health Science (Operations Management)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care
200223.1 Operations Management
200224.1 Management of Quality

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)**Year 1****Autumn session**

- 400416.1** Public Health, Policy and Society
200223.1 Operations Management

Spring session

- 200224.1** Management of Quality
400845.1 Health Financial Management

Year 2**Autumn session**

- 400846.2** Building Organisational Capacity in Health Care
300398.1 Methods of Researching

Specialisation - Marketing**ST4009.1**

This specialisation will no longer be offered from 2009. This speciality is designed to expose graduates to the diverse fields of marketing in industry, commerce and in not-for-profit and government organisations. Marketing is a major source of organisational revenues and is as a key contributor to organisational performance. Participants are exposed to the broad and dynamic field of marketing, providing knowledge which is critical to graduate capability in marketing roles in contemporary and emergent organisations. The speciality includes units in Marketing Behaviour and Buyer Behaviour and two electives provide wide scope for further studies in areas of individual interest.

Offer

Campus	Mode
Parramatta Campus	Multi Modal

Unit Set Structure

This Specialisation is no longer offered.

Master of Health Science (Marketing)

Qualification for this award requires the successful completion of 80 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

- 400416.1** Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care

Q1 or Q2

- 51002.1** Marketing Management
51003.1 Buyer Behaviour

Spring session

- 300398.1** Methods of Researching
400845.1 Health Financial Management

Students may exit with a Graduate Diploma in Health Science (Marketing) at this point.

Choose two electives (from list of Alternate units below)

Part-time (Start year intake)**Year 1****Autumn Session**

400416.1 Public Health, Policy and Society

Q1 or Q2

51002.1 Marketing Management

Q3 or Q4

51003.1 Buyer Behaviour

Spring session

400845.1 Health Financial Management

Year 2**Autumn session**

400846.2 Building Organisational Capacity in Health Care
300398.1 Methods of Researching

Students may exit with a Graduate Diploma in Health Science (Marketing) at this point.

Q3 or Q4

Choose two electives (from list of Alternate units below)

Full-time (Mid-year intake)**Spring session**

300398.1 Methods of Researching
400845.1 Health Financial Management

Q3 or Q4

51002.1 Marketing Management
51003.1 Buyer Behaviour

Autumn session

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care

Q1 or Q2

Choose two electives (from list of Alternate units below)

Part-time (Mid-year intake)**Year 1****Spring session**

300398.1 Methods of Researching
400845.1 Health Financial Management

Autumn session

400416.1 Public Health, Policy and Society

Q1 or Q2

51002.1 Marketing Management

Year 2**Q3 or Q4**

Choose one elective (from list of Alternate units below)

51003.1 Buyer Behaviour

Autumn session

400846.2 Building Organisational Capacity in Health Care

Q1 or Q2

Choose one elective (from list of Alternate units below)

Alternate units (Marketing Specialisation)

51005.1 New Product Management
51011.2 Strategic Marketing
51012.2 International Marketing
51014.1 Business Marketing Strategy
51015.2 Multinational Relationship Marketing
51016.1 Services Marketing Management
51026.2 International Business Environment
200231.2 Promotion and Advertising Overseas
200371.1 Advanced Marketing Research
200516.1 Marketing and International Trade Relations
200517.1 Marketing Projects and Services Overseas

Graduate Diploma in Health Science (Marketing)

Qualification for this award requires the successful completion of 60 credit points including the units listed in the recommended sequence below.

Full-time (Start year intake)**Autumn session**

400416.1 Public Health, Policy and Society
400846.2 Building Organisational Capacity in Health Care

Q1 or Q2

51002.1 Marketing Management
51003.1 Buyer Behaviour

Spring session

300398.1 Methods of Researching
400845.1 Health Financial Management

Part-time (Start year intake)**Year 1****Autumn session**

400416.1 Public Health, Policy and Society

Q1 or Q2

51002.1 Marketing Management

Q3 or Q4

51003.1 Buyer Behaviour

Spring session

400845.1 Health Financial Management

Year 2

Autumn session

400846.2 Building Organisational Capacity in Health
Care

300398.1 Methods of Researching

Units

400841.1 A Global Perspective on Social Determinants of Health

Credit Points 10 **Level** 7

.....

Evidence is mounting that the health of individuals, groups and whole populations is significantly determined by social factors – the social determinants. The related research has its origins in concern for the growing inequalities in health both within and between countries. This unit examines the framework of the social determinants of health in a global perspective and includes a reflection on the phenomenon of globalisation and its impact, both positive and negative on people's health. Students will critically reflect on this relatively new and emerging body of knowledge and research which clearly situates the maintenance of health and healthy societies within their socioeconomic and socio-cultural contexts. They will also examine implications for policy, health systems and different groups within society.

400578.1 Advanced Acupuncture

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate studies in acupuncture.

.....

This is a practical unit that helps strengthen graduate acupuncture skills in the management of a range of illnesses. This unit will deepen the practitioner's understanding of the ancient acupuncture theories and techniques and their application in contemporary practice. Practitioners will extend their understanding of different theoretical approaches in the design of acupuncture point prescriptions and examine the strengths and weaknesses of each approach. Evidence in support of acupuncture practice will be explored.

300678.1 Advanced Analytical Techniques

Credit Points 10 **Level** 7

Assumed Knowledge

Basic understanding of chemistry, physics, biology, and mathematics.

.....

The unit will introduce students to the underpinning theory, practice and application of a range of advanced analytical techniques used in science and technology. These will include neutron and X ray scattering/reflectometry, vibrational spectroscopy, multidimensional NMR, confocal microscopy, GC MS, multidimensional chromatography and associated modelling methods. Students will explore the strengths and weaknesses of the various methods, and develop expertise in building complementary suites of techniques for addressing real world problems in science and technology.

300603.1 Advanced Control Systems

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge is assumed in Continuous time control systems, the use of Laplace and Z-transforms, Analog to digital, digital to analog conversion, Vector matrix difference equations, State variable models and familiarity with Matlab or similar software

Incompatible Units

300211 - Digital Control, 300172 - Advanced Control Systems

Special Requirements

Students must have appropriate background and have competence in the use of test equipment, components and data sheets.

.....

This unit covers continuous and discrete control systems. It reviews and builds on the fundamental concepts of the theory of feedback in continuous and discrete time to examine the analysis and design of advanced continuous and discrete time linear control systems. Transfer function and state variable methods are employed. Instruction makes use of extensive experimental tasks. There is also considerable use of Matlab simulations.

300173.1 Advanced Data Networks

Credit Points 10 **Level** 7

Assumed Knowledge

Communication Systems / Digital Communication

.....

This unit covers all major network technologies: asynchronous transfer mode (ATM), Internet, and telephony. Essential networking topics such as protocol layering, multiple access, switching, scheduling, routing, congestion control, error and flow control, and network security are covered in detail. An engineering approach is taken to provide insight into network design.

300174.1 Advanced Digital Systems

Credit Points 10 **Level** 7

Assumed Knowledge

Electronics

.....

This unit extends work on modern digital design techniques and the process of creating a digital circuits, from design specifications to the implementation of more complex digital circuits and systems. Topics include: a review of logic design techniques; hardware description languages (HDL); digital circuit modelling using an HDL; logic simulations; state-of-the-art digital circuit design tools; programmable logic devices; digital circuit implementation rapid circuit prototyping; and integration of HDL, a digital circuit design tool and programmable logic devices in a single design process.

300601.1 Advanced Electrical Machines and Drives

Credit Points 10 **Level** 7

Assumed Knowledge

Electric Circuits and Basic Electro magnetics.

Incompatible Units

300208 - Variable Speed Electric Drives, 300204 - Special Electrical Machines

.....

The subject covers various types of electrical motors and drive systems, their applications and control. The unit aims to introduce an advanced study of electrical machines and drives. It also covers application considerations and modern developments in high performance drive systems. This course covers various types of the speed control, the starting, the braking and the dynamics of different electrical machines and drives.

300602.1 Advanced Environmental Engineering

Credit Points 10 **Level** 7

Assumed Knowledge

University level Mathematics, Chemistry and Fluid Mechanics.

.....

The unit provides advanced materials on ecological sustainability (e.g. life cycle analysis of water sensitive urban design components, water recycling and reuse and rainwater tanks), water quality modelling (stormwater pollution build up and washoff and contaminant transport in natural rivers) and wastewater treatment using traditional and new techniques. This involves application of software packages and computer programs to analyse and design a number of real world environmental engineering projects. The unit is delivered on a project-based learning mode.

300604.1 Advanced Geotechnical Engineering

Credit Points 10 **Level** 7

Assumed Knowledge

Fundamental knowledge of soil mechanics.

Equivalent Units

300520 - Foundation Engineering (PG)

.....

This unit will provide an overview of soil mechanics concepts required for the solution of practical geotechnical engineering problems. Students will be taught soil and foundation analysis including design techniques. The topics will cover shallow foundations, pile foundations, the stability of earth retaining structures, excavations, soft soils, groundwater flow and stability of slopes. Practical engineering cases will be emphasized.

400726.1 Advanced Herbal Medicine and Nutrition

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge of Western Herbal Medicine, Naturopathic Nutrition and Herbal Pharmacognosy to the level of the third year of the Bachelor of Applied Science or an equivalent are required for the student to understand and apply the information and concepts developed in this unit.

Special Requirements

Available only to students enrolled in the Graduate Diploma in Naturopathy. Criminal record check required. Child protection check required. Senior first aid certificate (Workcover accredited) required.

.....

Advanced Herbal Medicine and Nutrition has two primary foci. The first focus is on improving skills and knowledge to effectively administer both herbal and nutritional treatment for people with specific needs, such as found in pregnancy, infancy, puberty, menopause and mature age. The second focus is upon the skills required to produce various herbal preparations and evaluate the suitability and quality of individually and commercially manufactured herbal preparations. In addition you will be able to describe and debate the impact of regulatory issues relating to the practice of naturopathy, extemporaneous production and dispensing, and commercial manufacture and supply of complementary medicines.

200371.1 Advanced Marketing Research

Credit Points 10 **Level** 7

Assumed Knowledge

Students need to have a sound knowledge of key elements of business statistics, in particular, inferential statistics.

Prerequisite

200370.1 Marketing Research OR **200368.1** International Business Research

.....

This unit will provide sufficient insights concerning the application of advanced research methods to different aspects of marketing without being a marketing research specialist. Emphasis will be placed on the functions and limitations of the methods used in conducting research on the different aspects of marketing, the interpretation of results and their application to marketing decision making.

400229.1 Advanced Mental Health Nursing Clinical Practice 1

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to complete to Graduate Diploma level or equivalent, and be experienced practitioners prior to commencing this unit.

.....

In this unit students undertake supervised advanced practice clinical experience in a mental health setting. A

university approved clinical supervision contract is negotiated within the student's workplace. Students undertake supervised advanced practice assessment, treatment planning and provision of care for clients. This unit focuses on assessment and clinical decision-making.

400231.1 Advanced Mental Health Nursing Clinical Practice 2

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to complete to Graduate Diploma level or equivalent, and be experienced practitioners prior to commencing this unit.

Prerequisite

400228.1 Assessment for Advanced Practice Mental Health Nurses AND **400229.1** Advanced Mental Health Nursing Clinical Practice 1

.....

In this unit students undertake supervised advanced practice clinical experience in a mental health setting. A university approved clinical supervision contract is negotiated within the student's workplace. Students undertake supervised assessment, treatment planning and provision of care for clients. This unit focuses on ongoing treatment of clients.

400728.1 Advanced Naturopathic Practice 1

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge of Western Herbal Medicine, Naturopathic Nutrition, Clinical Diagnosis, Pathophysiology and Naturopathic Practice to the level of the third year of course 4597 Bachelor of Applied Science (Naturopathic Studies) or equivalent, is considered essential to be able to complete this unit.

Special Requirements

Available only to students enrolled in the Graduate Diploma in Naturopathy. Criminal Record Check required, Child Protection Check required, Senior First Aid Certificate (Workcover accredited) required.

.....

The aim of Advanced Naturopathic Practice 1 is to produce competent naturopathic clinicians capable of independent clinical decision making in the context of patient care. Students will be able to integrate and apply knowledge and skills in a supervised clinical setting involving both interacting with patients and discussing your observations and decisions in clinical tutorials. Students having completed these units will be able to effectively manage a wide range of clinical problems through applying a patient-centred approach to diagnosis and naturopathic treatment. Self and group appraisal of decision making and performance will be an integral part of developing this outcome.

400729.1 Advanced Naturopathic Practice 2

Credit Points 10 **Level** 7

Prerequisite

400726.1 Advanced Herbal Medicine and Nutrition AND **400727.1** Naturopathic Diagnosis AND **400728.1** Advanced Naturopathic Practice 1

Special Requirements

This unit is core in the Graduate Diploma in Naturopathy. Criminal Record Check required, Child Protection Check required, Senior First Aid Certificate (Workcover accredited) required.

.....

The aim of Advanced Naturopathic Practice 2 is to produce competent naturopathic clinicians capable of independent clinical decision making in the context of ongoing patient care. Students will be able to integrate and apply knowledge and skills in a supervised clinical setting involving both interacting with patients and discussing observations and decisions in clinical tutorials. Emphasis is on higher order clinical reasoning and developing and employing outcome measures in the context of ongoing patient management.

400834.1 Advanced practice: Infant and Child feeding and Nutrition

Credit Points 10 **Level** 7

Assumed Knowledge

Basics of breastfeeding including techniques for positioning and attachment and common breastfeeding problems; socio-cultural and political context of infant feeding; normal newborn behaviour, infant-parent attachment, factors that influence the transition to parenthood and parenting styles; skills required to critically appraise research literature and high level communication skills and capacity to work in partnership with families.

Special Requirements

Registered Nurse, Registered Midwife or health professional. Public safety issues.

.....

This unit provides students with advanced theoretical knowledge around infant and young child feeding. The unit is predominantly theoretical although students will also be expected to gain practical skills including developing the capacity to undertake comprehensive breastfeeding assessments and assessment of nutritional status in children 0 to 5 years of age. Topics covered include management of complex breastfeeding problems and skills to support women who have unexpected birth outcomes with breastfeeding; the impact of acute and chronic infant and childhood illness on nutritional status and feeding; evidence based strategies and approaches to facilitate good nutritional practices including breastfeeding among disadvantaged and vulnerable populations and working effectively in multidisciplinary teams and with peer or volunteer support groups to promote and support healthy infant and young child feeding practices. This unit provides students with the theoretical background required to undertake the examination set by the International Board of

Clinical Lactation Consultants. There is 120 hours of theoretical content of which approximately 90 hours is directly related to breastfeeding and human lactation. The role of the lactation consultant and legal and ethical issue are addressed for those who wish to work towards this exam.

300599.1 Advanced Robotics

Credit Points 10 **Level** 7

Assumed Knowledge

In order to study this unit, students should have a basic knowledge in mechanics.

Incompatible Units

300176 - Advanced Robotics, 300192 - Mobile Robotic Systems

.....

To develop an understanding of the advanced concepts involved in Robotics. The kinematics, dynamics, control and sensing aspects in robotics will be studied. In addition, the current development in the mobile robotics area will be introduced. There will be a considerable use of MATLAB in the unit.

300596.1 Advanced Signal Processing

Credit Points 10 **Level** 7

Assumed Knowledge

Engineering mathematics, circuit theory, signals and systems.

Equivalent Units

300200 - Signal Processing 1

.....

This unit covers the principles and techniques in signal processing. Topics include sampling and quantisation of analogue signals, analysis of digital signals in the time domain and frequency domain, digital filter design, multi-rate signal processing, signal processing hardware and finite word-length effects in hardware implementation. Students develop skills of analysing and designing digital signal processing systems.

300594.1 Advanced Structural Analysis

Credit Points 10 **Level** 7

Assumed Knowledge

Students must have knowledge in engineering mathematics, engineering mechanics at intermediate level and structural analysis at fundamental level.

Incompatible Units

300205 - Linear and Nonlinear Analysis of Structures, 300367 - Advanced Structural Engineering, 300195 - Numerical and Finite Element Methods

.....

This unit introduces students to the aspects of structural analysis of beams, trusses, frames and plates. It covers several displacement based methods for the analysis of trusses, beams and frames, i.e. slope deflection method and matrix method. The basic concepts of plate bending

analysis will be discussed. This unit aims to teach students to master necessary skills in structural analysis as well as skills in using computer software to analyse complex structures.

300605.1 Advanced Structural Design

Credit Points 10 **Level** 7

Assumed Knowledge

Students must have knowledge in engineering mechanics and structural analysis at intermediate level.

Incompatible Units

88131 - Concrete Structures (UG), 88121 - Steel Structures (UG)

.....

This unit introduces students to advanced topics in the structural design of reinforced concrete, pre-stressed concrete and steel structures. It will discuss the stiffness, stability and strength of structural elements and structural systems composed of these materials.

200361.1 Advanced Thesis Preparation

Credit Points 20 **Level** 7

Assumed Knowledge

Completion of a related Bachelors degree or equivalent.

Special Requirements

Unit is not available to undergraduate courses except bachelor's honours.

.....

This new unit commences in Quarter 1 2010. The main focus of this unit is on understanding how a research problem is identified, how literature in a research area is critically evaluated and how a comprehensive research proposal is formulated. The unit is primarily designed to assess the "research readiness" of the students. The overarching goal of this unit is to develop a critical spirit of inquiry by providing a structured and systematic way of thinking about writing a comprehensive research proposal. It allows students to become familiar with the requirements of thesis writing from an early stage. The unit provides students with the opportunity to engage in a structured literature review to assist in selecting an appropriate research topic. The unit also develops an appreciation for ethical issues in research in higher degrees. Key assessment criteria include writing a critical evaluation of research papers from the literature within a chosen topic, writing and presenting a defensible research proposal.

300694.1 Advanced Topics in ICT

Credit Points 10 **Level** 7

Assumed Knowledge

300693 Web Technologies and 300695 Network Technology are the two core units for Master of Information and Communications Technologies. Without the basic understanding of these technologies, students will not be able to deal with the advanced topics.

Prerequisite

300693.1 Web Technologies AND **300694.1** Advanced Topics in ICT

Special Requirements

This is a Masters level subject. Not available for undergraduate courses.

.....

The information and communications technologies are advancing at an ever-increasing rate. The whole world is now interconnected. The World Wide Web community is actively engaged in developing the next generation of the Web, called Web 2.0. Social networking on the Internet is facilitated by the latest developments such as Facebook, YouTube and MySpace. Large scale storage technologies are leading to Cloud Computing where data and applications may reside anywhere in the world. Research in how to access meaningful data from the vast amounts on the Web have led to initiatives such as Semantic Web and Linked Data. Mashups mix data from disparate sources to enable users to work more efficiently. Event Web and Second Life promise to change the way we interact. Wireless and mobile computing are changing the market place. All of these trends are still in their early stages. To make sense of all these developments, the top echelon of the World Wide Web Consortium are actively engaged in creating a new discipline called Web Science. Advanced Topics in ICT will enable the students to appreciate the scale of new developments and create prototypes of applications in their desired ambit.

300252.1 Advanced Topics in Networking

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge of fundamentals of computer networking and data communications. In particular, a good understanding of the TCP/IP protocol suite and the OSI model.

Special Requirements

Students must be enrolled in a Masters-level course.

.....

This unit discusses emerging network technologies. The advanced features of networked systems and the Internet that are based on these technologies are also presented. The unit provides students with an in-depth understanding of relevant protocols, the emerging standards, and standards organisations. Students are also introduced to some current key research issues.

300595.1 Advanced Water Engineering

Credit Points 10 **Level** 7

Assumed Knowledge

Students must have a background in water and related technology at tertiary level

Equivalent Units

300519 - Drainage Engineering (PG)

.....

This unit exposes students to the concepts of drainage analysis. It focuses on the surface water components of a

hydrologic cycle. The hydrologic theories will be integrated with the hydraulic principles to enable holistic analysis of a catchment.

300085.2 Advanced Web Site Development

Credit Points 10 **Level** 3

Assumed Knowledge

Basic programming principles and control structures; basic file management and PC operation including how to access the internet; basic HTML, JavaScripting, ASP and use of session variables.

Equivalent Units

J3752 - Internet and Web Design

.....

This unit introduces students to the design, implementation and operation of internet and intranet web sites. It includes the design, development and implementations of server-side applications, the use of multi-media and human interaction on the browser side, the management and operation of internet/intranet systems and the interaction of these information systems with society and the corporate world. Security, access rights, financial transactions and legal issues are also covered. A major component of this unit is working with server/browser applications in ASP or similar programming environment and the development of web based information systems and methodologies. This unit is heavily orientated to practical experience in developing the theoretical concepts.

300679.1 Air, Water and Noise Management

Credit Points 10 **Level** 7

Assumed Knowledge

The students should have a basic understanding on air, water and noise environmental issues and the science that underpins them.

Equivalent Units

EY810A- Aquatic Resource Management, EY813A - Management of Aquatic Environments, EH837A - Air Quality Assessment and Management.

.....

This unit introduces the student to a range of skills required to assess the environment in relation to air, water and noise. Students will be introduced to the legislative framework that supports pollution control and environmental management in NSW. Methods of controlling air, water and noise pollution will be covered. The concept of indicators and their use will be introduced. Students will select either an air, water or noise issue to undertake a more in-depth study for assessment purposes.

200499.1 Alternative Solutions for Bushfire Prone Areas

Credit Points 10 **Level** 7

Assumed Knowledge

Students need to have prior knowledge of bushfire behaviour, planning, building and bushfire fighting and emergency management.

.....
This unit describes the processes and techniques available to develop alternative approaches and solutions to planning and building in bushfire prone areas.

200185.1 Analysis for Managerial Decision-Making

Credit Points 10 **Level** 7

.....
The objective of this unit is to introduce students to a range of quantitative techniques to enable them to analyse problems in operations and quality management and to interpret their findings both from a tactical and strategic perspective.

400200.2 Applied Nursing Research

Credit Points 10 **Level** 7

Assumed Knowledge

A basic knowledge of research methods at undergraduate level or equivalent is required.

.....
Research is a necessary undertaking toward the continued development of nursing knowledge as well as personal professional development. The aim of this unit is to both broaden and deepen students' understanding of research methods and to extend their ability to discuss, appraise the work of others and participate in their own research.

400856.1 Approaches to Epidemiology

Credit Points 10 **Level** 7

Equivalent Units

HC812A - Approaches to Epidemiology

Special Requirements

Students must be enrolled in courses 4569 - Master of Primary Health Care or 4570 - Graduate Deiploma in Primary Health Care to undertake this unit.

.....
This unit presents the principles, strategies and activities associated with social epidemiology and the contribution that this epidemiology makes to the understanding of health and illness of individuals, families and communities. Consideration of social epidemiology in supplementing classical approaches is included, as is consideration of primary health care epidemiology in relation to health service delivery and planning. Students will explore the consequences of primary health care decision making that will enable evidence-based health care practice and relate it to their practice.

400228.2 Assessment for Advanced Practice Mental Health Nurses

Credit Points 10 **Level** 7

Assumed Knowledge

As Registered Nurses working in mental health services, students are expected to have a working knowledge of

mental health assessment procedures, as applicable to the clinical areas in which they work.

Special Requirements

Students are required to be registered nurses working in the area of mental health.

.....
This version replaces version 1 from 2010. This unit examines assessment and treatment planning practices, including early intervention, for advanced practice nurses. Components of the unit include advanced assessment skills, diagnostic decision making, judicious ordering, reading and interpretation of pathology and radiology tests, imaging, triaging and prioritisation, pharmacology, intervention and referral skills. Nurses working at an advanced practice level are expected to be able to autonomously undertake comprehensive mental health assessments, and to apply clinical judgement to decision making and treatment planning.

200228.1 Assets and Maintenance Management

Credit Points 10 **Level** 7

.....
This unit aims to provide an understanding of the principles techniques and applications of managing assets and to equip students with competencies and skills in planning, procurement, repair, maintenance, replacement and disposal of facilities, equipment and materials. Topics include: concept and types of assets, procurement, reliability, maintenance, replacement and disposal of capital assets, purchasing and replacement strategies and techniques, sourcing and maintenance management.

400230.1 Biological Aspects of Mental Illness for Advanced Practice

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to complete to Graduate Diploma level or equivalent, and be experienced practitioners prior to commencing this unit.

.....
This unit will be replaced by 400957 - Biological Considerations in Mental Health and Mental Illness for Advanced Practice from 2010. This unit examines the pathophysiological processes associated with mental ill health and illness including sensorineural, endocrine and immune systems, genetics, homeostasis, nutrition, stress and the aging process. It is designed to enhance knowledge, interpretive and research skills required by mental health nurse practitioners when assessing and managing clients who have mental health problems in various health care settings.

300680.1 Biotechnology Analytical Techniques

Credit Points 10 **Level** 7

Assumed Knowledge

Bachelors degree in biological sciences or equivalent with a sound knowledge in Microbiology and Biochemistry.

Equivalent Units

MI810A - Principles and Practice of Biotechnology, MI808A - Rapid methods in Microbiology.

Incompatible Units

300307 Analytical Microbiology

.....

The unit provides a theoretical and practical introduction to a wide range of biotechnology techniques that are commonly used in medical science, industrial and food microbiology, environmental science, and research. Building on a basic understanding, the unit aims at demonstrating traditional and modern techniques commonly used in biotechnology. The laboratory component is an integral component of the unit as the students are able use a variety of techniques, methods and commercial systems that are applied in biotechnology laboratories.

EN808A.1 Building Engineering

Credit Points 10 **Level** 7

Equivalent Units

300713 - Building Engineering.

.....

This unit will be replaced by 300713 - Building Engineering from 2010. Objectives: to provide candidates with an appreciation of the factors that contribute to engineering decisions in total building design, and the evaluation of failure modes in buildings. Topics: soil mechanics, technology, failure theories, soil pedology, flow of water in soils, natural and stabilised soils. Disposal of surface; of water, subsoil water from sites. Flood water retention and removal. Structural concepts, loading patterns, properties of materials construction systems, evaluation and acceptance of materials, testing techniques, composite components. Altering the mechanical properties of construction materials in manufacture or in fatigue situations. Successful performance of buildings, failure in buildings.

PE806A.1 Building Fire Services

Credit Points 10 **Level** 7

Assumed Knowledge

Building surveying, fire safety engineering and related disciplines.

Equivalent Units

300711 - Building Fire Services.

.....

This unit will be replaced by 300711 Building Fire Services from 2010. The unit develops the student's understanding of various types of building services and fire safety

systems, their types and their application and introduces methods of applying recommendations of fire engineering assessments with respect to building services and systems.

200458.1 Building in Bushfire Prone Areas

Credit Points 10 **Level** 7

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This unit describes the basis for the design of buildings to withstand bushfire attack, the measures that can be incorporated into building design to achieve this and the legislative building requirements.

400846.2 Building Organisational Capacity in Health Care

Credit Points 10 **Level** 7

Equivalent Units

400778 - Leadership and the Development of Organisational Capacity in Health Care

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The concept, form and structure of health care organisations are explored. Organisational theory is used to analyse contemporary health care structures. Factors which influence organisational design, function and effectiveness are discussed including: organisational behaviour, strategy, culture, power and politics, technology, sustainability and effectiveness. A major focus is planning for strategic organisational development to meet the challenges of rapid change and the need for performance improvements in patient care delivery. Concepts related to the strategic development of workforce capacity in the health care arena considered through the application of theories including the learning organisation. Leadership is examined with emphasis on change management.

BG812A.1 Building Studies

Credit Points 10 **Level** 7

Assumed Knowledge

This subject assumes that the student has undertaken undergraduate coursework in building surveying, planning or related areas or has gained the equivalent building construction knowledge by working in the construction industry in an appropriate capacity for at least four years.

Equivalent Units

300716 Building Studies.

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This unit will be replaced by 300716 Building Studies from 2010. Building studies seeks to analyse in depth the factors that influence the building industry. Students will be required to critically evaluate these factors. Topics: advances in both materials technology and construction techniques. Fire engineering and fire safety considerations including the health and amenity of building design and regulation. The philosophy of conservation and its application to building, cultural significance as an issue, energy conservation as an issue. Building services, regulation, impact on design, construction and maintenance requirements. Principles of building engineering related to the construction industry. Construction management from

personnel through to scheduling and time management. Local government and State government administration and their effect on the building industry. Royal commissions and their impact on building law. Industrial law and industrial relations, contract law and planning law and the regulation of building activities. Building economics from estimating and quantity surveying to building macro economics. Development management, inception of reality. The relationship between building owners and occupiers on the performance and maintenance of buildings.

200327.1 Built Environment Project

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge in building surveying and related disciplines.

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The unit will help students to solve problems in a focused professional context. The skills that are acquired can be applied to a wide range of issues in the construction industry since the method of problem solving does not change overly with the problem. The unit requires the student to identify a problem, review current literature, critically appraise the literature, develop a research question, prepare a research plan, analyse the research findings and communicate the findings and recommendations.

200328.3 Built Environment Research Project

Credit Points 20 **Level** 7

Assumed Knowledge

Knowledge in fire safety engineering and related disciplines.

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The unit will help students to solve problems in a focused professional context. The skills that are acquired can be applied to a wide range of issues in the construction industry since the method of problem solving does not change overly with the problem. The unit requires the student to identify a problem, review current literature, critically appraise the literature, develop a research question, prepare a research plan, analyse the research findings and communicate the findings and recommendations.

200457.2 Bushfire Behaviour

Credit Points 10 **Level** 7

Assumed Knowledge

This unit assumes that the student has undertaken undergraduate coursework in building surveying, planning or related areas or has gained the equivalent building construction knowledge by working in the construction industry in an appropriate capacity for at least four years.

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This version of the unit will commence in 2010. This unit describes the factors affecting bushfire behaviour and the models which are used to predict bushfire behaviour and the resultant hazard.

200500.1 Bushfire Fighting

Credit Points 10 **Level** 7

Assumed Knowledge

This subject assumes that the student has undertaken undergraduate coursework in building surveying, planning or related areas or has gained the equivalent building construction knowledge by working in the construction industry in an appropriate capacity for at least four years.

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This unit describes the techniques, hardware and extinguishing agents used to fight and control bushfires and focuses on the logistics involved in ensuring safe, efficient and effective control.

51014.1 Business Marketing Strategy

Credit Points 10 **Level** 7

Prerequisite

51001.1 Quantitative Analysis in Marketing

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In this unit, students are exposed to a rigorous and practical approach to business-to-business marketing (B2B). B2B Marketing encompasses those management activities which enable a supplier firm to understand, create and deliver value to other businesses, governments and/or institutional customers.

51276.1 Business Re-engineering

Credit Points 10 **Level** 7

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This unit provides future managers with an understanding of the principles of re-engineering in a defunctionalised organisation that focuses on the customers and the processes. It equips candidates with the necessary tools and techniques for radical redesigning of the operations, processes, organisation and culture of business organisations. Topics include re-engineering -- the path to changing business processes; redesigning techniques and tools -- process mapping and modelling; performance management; key enablers of business process re-engineering; business process architecture; customer requirements -- assessment and customer satisfaction measurement; business process re-engineering -- delayering, downsizing and impact on human resources strategy; and implementation and review of re-engineering software.

51278.1 Business Research Paper

Credit Points 10 **Level** 7

Equivalent Units

This unit is replaced by 200691 Business Research Paper

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This unit provides candidates with the opportunity to explore the latest developments in a particular area and share that research knowledge with other candidates in the area. It is expected to help them gain an in-depth understanding and appreciation of the issues relevant to

the conceptual development and practical implementation of concepts or tools in the area of business operations. It will equip candidates with the necessary research skills and critical thinking ability.

51003.1 Buyer Behaviour

Credit Points 10 **Level** 7

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This unit introduces buyer or consumer to customer behaviour analysis and encompasses the study of the processes that buyers go through when they make purchase decisions.

400828.2 Child & Family Health Nursing: Professional Practice and Frameworks

Credit Points 10 **Level** 7

Assumed Knowledge

An understanding of professional frameworks and competencies for the Registered Nurse or Registered Midwife at an undergraduate level, augmented with clinical experience at a general Registered Nurse or Registered Midwife level.

Special Requirements

Only students enrolled in course code 4649 and 4650 may enrol in this unit.

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Child and family health nursing is a diverse speciality area with child and family health nurses required to work autonomously across a variety of clinical settings. This unit will focus on the scope and standards of practice of child and family health nursing exploring; historical beginnings and current models of care, appropriate legal and ethical issues and government policies and initiatives that influence practice. Informed by the principles of Primary Health Care, the student will gain skills in supporting families and children within the context of a strengths based partnership model. Health promotion, public health, health surveillance and cultural competence are introduced in this unit. The various strategies for the appropriate support of child and family health nurses will be addressed. In this unit emphasis is also placed on critical thinking and the development of scholarly writing.

400829.2 Child & Family Health Nursing: Supporting Growth and Development

Credit Points 10 **Level** 7

Assumed Knowledge

Students require basic knowledge of infant and child health at an undergraduate level, augmented with clinical experience as a general Registered Nurse or Registered Midwife.

Equivalent Units

400207 Childhood in Child and Family Health Nursing

Special Requirements

Clinical requirements for this course preclude students other than those enrolled in course code 4649 - Master of Nursing (Child and Family Health - Karitane) and 4650 - Graduate Certificate in Nursing (Child and Family Health -

Karitane) from taking this unit. Patient safety issues are associated. Special requirements are those stipulated by the NSW Health Department and UWS. These include: Prohibited Persons Employment Declaration (PPED), NSW Health Clinical Placement Authority (Criminal Record Check) and Adult health immunisation.

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This unit provides the student with knowledge of the theories of child development and the foundational knowledge and skills to be applied in the screening, surveillance and promotion of health and well-being of young children and families. This includes current immunisation schedules and use of evidence-based developmental screening tools. Content will focus on the normal physical, social and emotional growth and development of young children (0-5 years). The importance of the early years in brain development including infant-parent attachment will be linked to an exploration of child behaviour, sleep and settling, play and safety, issues. The child and family health nurses' role in supporting families experiencing infant sleep and settling difficulties and behaviour problems will be addressed. The application of knowledge gained in this unit will be applied through a 40 hr clinical placement negotiated by the student in a primary level child and family health facility

400576.1 Chinese Medicine Classics

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in TCM including Chinese Herbal Medicine (Materia Medica and Medicinal Formulae) and Chinese medicine classics including Shang Han Lun (Treatise on Cold Induced Disorders).

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This unit will explore in detail the applications of one of the classic texts of Chinese medicine literature, the Shang Han Lun (Treatise of Cold Induced Disorders), in the treatment of a range of illnesses. The unit will cover the essential features of diseases of the 'six channels' (stages of pathogenesis) and modifications and combinations of key medicinal formulae.

400687.1 Chinese Medicine Specialities 1

Credit Points 10 **Level** 7

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This unit will enable practitioners to extend their understanding of the Traditional Chinese Medicine (TCM) diagnosis and management of a range of gastrointestinal and paediatric disorders. A feature of this unit is the integration of TCM and western medical approaches. Treatment will focus on acupuncture with common patent Chinese herbal medicine treatments included.

300681.1 Climate Change Impacts

Credit Points 10 **Level** 7

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This is a flexible learning unit that provides professional environmental resource managers a range of opportunities to upgrade their leadership skills and competencies to

develop policies and strategies for climate change mitigation and adaptation at local, national and international levels. The unit aims at developing critical thinking and understanding of the students about environmental issues related to climate change. Students will use contemporary interdisciplinary tools and models that have potential application in real world decision making. Each student will undertake a project in their chosen enterprise to understand and appreciate issues concerning climate change impacts on natural and built environment.

400830.2 Clinical Practice: Infant and Child Nutrition and Feeding

Credit Points 10 **Level** 7

Special Requirements

Clinical requirements for this course preclude students other than those enrolled in course code 4649 and 4650 from taking this unit. Patient safety issues are associated. Special requirements are those stipulated by the NSW Health Department and UWS. These include Prohibited Persons Employment Declaration (PPED); NSW Health Clinical Placement Authority (Criminal Record Check) and Adult health immunisation.

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This unit version replaces version 1 from 2010. This unit builds upon the unit Child and Family Health Nursing Practice: Supporting Child Growth and Development and focuses on infant feeding including breast feeding as a significant social and cultural process not just an issue of physiology and nutrition. The theoretical component of this unit will focus on the age-appropriate nutrition of infants and young children linked to developmental stages and the role the child and family health nurse in supporting families manage associated issues. All areas of early nutrition will be covered including breastfeeding, use of breast-milk substitutes, introduction of solids and toddler nutrition. The knowledge gained in this unit will be consolidated through an 80 hour clinical placement negotiated by the student in a primary, secondary or tertiary child and family health facility.

400839.1 Collaborative Inquiry for Primary Health Care Action

Credit Points 10 **Level** 7

Equivalent Units

400775 - Project Proposal PHC

Special Requirements

Students must be enrolled in course 4569 - Master of Family Health Care to undertake this unit.

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This unit provides the opportunity for students to apply the principles of primary health care in a proposal to address an issue of primary health care concern in their workplace or community. The student will gain comprehensive knowledge of the process of action research, participatory action research and cooperative inquiry. Each student will have the opportunity to write a proposal using a collaborative inquiry approach that involves planning a genuine partnership to examine and make changes to improve an identified issue in the student's specific area of work / practice.

400840.1 Communicable Diseases

Credit Points 10 **Level** 7

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This course will focus on the epidemiology, prevention and control of important communicable diseases, both in Australia, and globally. Topics that will be covered include causative agents, routes of transmission, host responses, risk factors, environmental influences, vector- and food-borne diseases, vaccine-preventable diseases, legislative requirements, surveillance, outbreak investigations, bioterrorism, strategies for prevention and control and emerging challenges. Particular attention will be focused on outbreak investigation and control, which requires an understanding of the use and interpretation of surveillance data, epidemiological study design, and of the principles underlying disease prevention and control at the population level.

400079.3 Complications of Labour, Birth and Newborn

Credit Points 10 **Level** 7

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This unit version replaces version 2 from 2010. This unit provides students with an in depth knowledge of the complications that may arise during labour, birth and the newborn period. Emphasis will be placed on the biological and physiological aspects of such complications. The unit also integrates psychological and cultural aspects relating to a woman experiencing a complex labour and birth. The role of the midwife in providing holistic woman centred care is an important component of the unit, as any complications that arise will have an impact on the management of labour, birth and the newborn period.

400078.3 Complications of Pregnancy and the Postnatal Period

Credit Points 10 **Level** 7

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This unit version will replace version 2 from 2010. This unit provides students with an in depth knowledge of the complications that may arise during pregnancy and in the postnatal period. Emphasis will be placed on the biological and physiological aspects of such complications. The unit also integrates psychosocial and cultural aspects relating to a woman experiencing a complex pregnancy or puerperium. The unit demonstrates the role of the midwife in maintaining a partnership in care even when pregnancy and the postnatal period are complex.

300565.1 Computer Networking

Credit Points 10 **Level** 2

Assumed Knowledge

Fundamentals of computer architecture, binary and hexadecimal numbering systems, and programming principles. They should also have a working knowledge of the World Wide Web.

Equivalent Units

300094 - Computer Networking Fundamentals, 300086 - Applied Data Communications and Networking

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This introductory unit in computer systems networking covers basic networking topologies, Ethernet fundamentals, ISO OSI layers, routing, switching and sub-nets, the Internet architecture, networking protocols including TCP/IP, important networking devices such as repeaters, hubs, bridges, routers and gateways, basic management and security issues. This unit is also the first of three units which will prepare students for industry based networking certification.

300095.2 Computer Networks and Internets

Credit Points 10 **Level** 3

Prerequisite

300094.1 Computer Networking Fundamentals OR **300565.1** Computer Networking OR **300086.1** Applied Data Communications and Networking

Special Requirements

This unit is offered at an advanced level and students need to have a good knowledge in fundamentals of data communications, computer networking and basic knowledge of programming in C++ language to successfully complete the unit.

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This unit provides students with an in-depth understanding of the applications of computer networks and the concept of internetworking through the TCP/IP suite of protocols. Some of the network security threats along with their appropriate counter measures are also discussed. The main focus of the unit is on communication and network devices.

300238.1 Computing Research Project A

Credit Points 10 **Level** 7

Assumed Knowledge

Fundamentals of software, networking or information systems management

Equivalent Units

54919 - Computing Project A

Special Requirements

Students must be enrolled in a Masters-level course.

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This unit entails a substantial investigation and practical work on a topic in an area of current research interest in computing and information technology that is relevant to candidates' professional and intellectual development. Candidates are encouraged to select topics they envisage to be of value to their future careers. Candidates undertake individual project-based study under guidance of a project supervisor.

51286.1 Contemporary Engineering Organisation and Management Practice

Credit Points 10 **Level** 7

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This unit gives an overview of contemporary engineering management philosophies and practices to engineers integrating globalisation, quality, technology, people and management systems. The main emphasis is on contemporary issues. The aim is to facilitate a smooth transition of engineers into management roles and to provide necessary competencies for successful performance in engineer-manager roles. The unit will prepare engineers/scientific personnel for management careers in the twenty-first century. Topics include: changing roles of engineers and managers, factors influencing the transition of engineers into management roles, strategies for managing transitions, managing engineering-based organisations and skilled/technical professionals, planning and control systems, decision-making and information systems, team building and group dynamics, motivation of engineers/specialists and/or scientific professionals, interpersonal skills and negotiation skills, communication skills, managing change, human factors engineering, and occupational health and safety issues.

51106.1 Contemporary Issues in Employment Relations

Credit Points 10 **Level** 7

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This unit provides an understanding of the employment relations concept by analysing important contemporary issues affecting relations between employees and their employer organisations. The impact of government labour market policies on employment decisions and strategic choice is examined. Different perspectives on human resources management and industrial relations are discussed. The role of corporate strategies, culture and institutional structure is presented in order to develop student knowledge of complex background issues.

400422.1 Contemporary Issues in Public Health

Credit Points 10 **Level** 7

Special Requirements

Students must be enrolled in a postgraduate course to study this unit.

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Through a series of contemporary case studies, students are introduced to a range of public health issues and practices. These may be studied in the areas of population inequalities in health, environmental health, communicable diseases, and chronic diseases. The topics may change for each cohort of students.

400220.2 Contemporary Professional Practice in Mental Health Nursing

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to be registered nurses with basic knowledge of mental health, mental illness and assessment processes augmented with experience in mental health settings.

Special Requirements

This course is restricted to students enrolled in postgraduate courses.

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This version will replace version 1 from 2010. Professional practice in Mental Health Nursing is continually evolving to meet changing social, political and legal requirements related to mental health issues. These requirements include changes in social and political understandings of mental illness and the rights and responsibilities of consumers, carers and providers. There has also been increased emphasis on health promotion, prevention and education in population specific contexts (eg. aged care, child and family, adolescent mental health, alcohol and other drugs services). Mental Health Nurses thus face challenges to develop practice that is congruent with the context of these changing requirements. This unit aims to provide a basis of inquiry into contemporary practice(s) from which the nurse can build an ongoing understanding and appreciation of changing influences.

300697.1 Content Management Systems & Web Analytics

Credit Points 10 **Level** 7

Assumed Knowledge

Web development and HTML basics.

Equivalent Units

300264 Web Site Management and Security

Special Requirements

This is a Master's level subject. Not available for undergraduate programmes.

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Content management systems (CMS) is a collective name for a wide range of web applications used by organisations/institutions/enterprises and social communities in establishing a continuing web presence. They may connect to backend systems and can provide complete web application services. This unit builds on both the conceptual and practical skills/knowledge to develop and utilise CMS's; in their management; in technical, legal, ethical and security issues; and in utilising web analytics to obtain business intelligence of their operation and impact.

300103.1 Data Structures and Algorithms

Credit Points 10 **Level** 2

Prerequisite

300580.1 Programming Fundamentals OR **300027.1** Engineering Computing OR **300155.1** Programming Principles 1 OR **300405.2** Fundamentals of Programming

Corequisite

200025.1 Discrete Mathematics OR **200237.1** Mathematics for Engineers 1

Equivalent Units

J2741 - Data Structures & File Organisations, 14906 - Data Structures, 14945 - Data Structures

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This unit introduces students to fundamental data structures and algorithms used in computing. The material covered forms the basis for further studies in programming and software engineering in later units. The unit focuses on the ideas of data abstraction, object-oriented programming, and software reuse. Issues relating to computational complexity of algorithms are addressed throughout the session. Topics covered include: the fundamental abstract data types (lists, stacks, queues, trees, hash tables, graphs); recursion; complexity of algorithms; internal and external sorting and searching algorithms; file structures; and B trees.

300104.1 Database Design and Development

Credit Points 10 **Level** 2

Assumed Knowledge

Knowledge of entity-relationship modelling and one programming language.

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The main purpose of this unit is to provide students with an opportunity to gain a basic knowledge of database design and development including data modeling methods and techniques and database implementation using a database management system

400572.1 Dermatology in Chinese Medicine 1

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in Traditional Chinese Medicine.

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This unit along with Dermatology in Chinese Medicine 2 will enable practitioners to develop an in-depth understanding of Traditional Chinese Medicine (TCM) diagnosis and management of a wide range of skin diseases using acupuncture and Chinese herbal medicine. This unit includes orthodox medical diagnosis and management of common skin disorders and the integration of this with TCM theory, diagnosis and management. Dermatology in Chinese Medicine 1 and 2 together provide a strong specialist clinical focus on the management of skin disorders with Chinese medicine.

400573.1 Dermatology in Chinese Medicine 2

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in Traditional Chinese Medicine.

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This unit extends students' knowledge and understanding developed in Dermatology in Chinese Medicine 1. The focus of this unit includes the orthodox medical diagnosis and management of common and systemic skin disorders and the integration of TCM theory, diagnosis and management. Dermatology in Chinese Medicine 1 and 2 together provide a strong specialist clinical focus on the management of skin disorders with TCM.

300396.1 Developing Professional Practice

Credit Points 10 **Level** 7

Assumed Knowledge

Appropriate contextual knowledge and experience.

Equivalent Units

300275 - Professional Praxis: Learning in Context

Special Requirements

This unit is restricted to the following courses: 3602, 3603, 3604, 3605, 3606, 3607 (current courses) 475E, 475A, 456S, 456A, 473A, 3599, 3600, 3601, 3596, 3597, 3598, 3568 (legacy courses)

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This unit is designed to develop qualities and attributes in professionals consistent with the principles of life long learning, experiential learning and a variety of ways of thinking and acting. The primary aim of the unit is for students to learn by improving professional problematic issues of concern. A particular focus will be an introduction to system and holistic thinking and practice. Students will be supported in designing and managing two self directed praxis development learning projects that are connected to their own area of professional interest.

BG814A.1 Development Control

Credit Points 10 **Level** 7

Assumed Knowledge

This unit assumes that the student has undertaken undergraduate coursework in building construction, building surveying or a related area or has gained the equivalent building construction and building surveying knowledge by working in the construction industry in an appropriate capacity for at least four years.

Equivalent Units

300708 - Planning and Development Control

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This unit will be replaced by 300708 Planning and Development Control from 2010. Objectives: to analyse those forces important in determining the allocation and use of land and resources together with the contributions of development to the built and natural environment. Topics:

urban and rural design issues; the impact of the 3 tier Government process on development control. The seminar process will examine the legal, political and technical issues relevant to impact assessments. Particular attention will be paid to the role of the private sector in developing controls, self regulation and appeal processes. Planning management in both the micro and macro environments will be examined in the context of energy, community resources and its strategic effects on; the recycling of existing land and non-renewable natural resources. Special issues to be considered. Hazardous environments, bush fires, floods, earthquakes, cyclone areas.

200359.1 Dynamics of Workplace Management

Credit Points 10 **Level** 7

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This unit provides an overview of Australia's traditional system of industrial relations and the forces for change; discussion of strategic responses to change such as award restructuring, enterprise bargaining, career development and skill formation and implications for industrial relations participants; and development of skills for the new workplace relations including negotiating skills, grievance handling skills, the role of consultative mechanisms and establishing consultative processes and productivity bargaining at the workplace.

200459.1 Emergency Management for Bushfire Prone Areas

Credit Points 10 **Level** 7

Assumed Knowledge

Bushfire behaviour, planning, building and bushfire fighting units.

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This unit describes the techniques available to develop risk management strategies in order to minimise loss of life and property in bushfire emergencies.

48024.1 Employment Relations Law

Credit Points 10 **Level** 7

Equivalent Units

200767 - Employment Relations Law

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This unit has been replaced by 200767 Employment Relations Law. This unit covers the Australian judicial hierarchy, the doctrine of precedent, the different nature of judicial, non-judicial and quasi-judicial functions, the limits of federal and state legislative powers, the basic principles governing the contract of employment, the compulsory conciliation and arbitration systems at state and federal level. Whenever possible, general principles concerned with sources of law and the nature of the legal system are illustrated and developed by reference to substantive law relevant to employee relations. For example, principles of statutory interpretation are examined in the context of a study of the Anti-Discrimination Act 1977 (NSW) and the doctrine of precedent is examined by analysing the modern

development of the vicarious liability of employers for the wrongful acts of their employees.

46517.1 Employment Relations Practice

Credit Points 10 **Level** 7

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An integrative unit that examines the nature of practice in the employment relationship both conceptually and empirically, with particular focus on the interplay between human resource management and industrial relations. Major contemporary influences on practice, such as micro-economic reforms, are considered to provide a context in which to examine this interplay.

46519.1 Employment Relations Strategy and Change

Credit Points 10 **Level** 7

Prerequisite

46518.1 Human Resource Management

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This unit builds on the understanding gained in earlier units to facilitate the development and evaluation of the interaction of strategy, policy and change in employment relations. Specific topics include public policy affecting workplace relations; the effect of public policy on corporate strategies and policies, e.g. equal opportunity, anti-discrimination, occupational health and safety, negotiation, consultation, grievance handling; the development of trade union strategies and policies; gaining consensus in change; the impact of organisational culture on workplace relations; and developing proactive strategies.

51200.1 Employment Relations Thesis Preparation (PG)

Credit Points 10 **Level** 7

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This unit discusses the elements of a successful thesis proposal, matching methodologies to topic, the nature and format of the literature review, and examiners' requirements. It should be taken concurrently with 48561 Research Project (Employment Relations) as students are required to present and defend their thesis proposal and literature review.

300513.1 Engineering Software Applications

Credit Points 10 **Level** 7

Assumed Knowledge

Graduate of a recognised engineering or industrial design degree or equivalent.

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This unit will be available from 2007. This unit offers several modules of practical applications in engineering and industrial design software from which students get to choose two modules. Each module is taught over a period of six weeks. Lectures are delivered online via WebCT and will be enhanced by weekly computer laboratory practicals.

Emphasis is placed on teaching students practical software applications skills tied to the needs of the industry.

300690.1 Environmental Assessment

Credit Points 10 **Level** 7

Equivalent Units

EH830A Environmental Assessment

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This unit emphasises the role of environmental management in attainment of ecologically sustainable development. Students will be introduced to a variety of environmental assessment methods that are applied to a range of environmental management issues at local, national and international level. A number of environmental assessment methods will be presented to students in terms of their historical background, legislative implication, national/international standards, process/techniques, supported with case studies and critical reviews. Students will be provided with a number of assessments. The assessment tasks are designed to enable student review the environmental assessment methods that are applied to environmental projects and also to undertake an environmental assessment project of their own. Through critical evaluation of others project and also conducting own project, students' knowledge and understanding about the application, technique, usefulness, and limitations of the various environmental assessment methods will be strengthened.

EH833A.1 Environmental Management

Credit Points 10 **Level** 7

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Objectives: environmental management is a series of multi disciplinary activities each of which requires development of a specific expertise. This unit seeks to provide the perspective necessary to coordinate these activities by developing a knowledge of environmental values and the means for their protection. Topics: economic and conservation values for the environment, determination of environmental criteria, status and impacts, remediation, rehabilitation and protection, land management plans, information systems, legislation, environmental responsibility of authorities, environmental authorities, environmental audits, total catchment management, community interaction.

300689.1 Environmental Management Systems

Credit Points 10 **Level** 7

Equivalent Units

EH829A Environmental Management Systems

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This unit details the complexity of environmental management systems (EMS) and how they interconnect with other management systems. It considers the difficulties encountered when practicing environmental management on a broad spatial scale and considers the various EMS tools that are available and their strengths, weaknesses

and limitations when applying them to different environments.

400417.1 Epidemiology and Quantitative Methods

Credit Points 10 **Level** 7

Equivalent Units

E7228 - Epidemiology and Quantitative Methods.

Special Requirements

Students must be enrolled in a postgraduate course.

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In this unit students study epidemiological design and analytic strategies as well as biostatistics. The unit also examines the use of surveillance and population datasets to measure and monitor population health and plan health services. Students will develop skills to critically appraise research in health and health care. A range of research studies is examined including studies of occurrence and risk factors for disease and studies evaluating intervention treatments or programs. Both the epidemiological and statistical evidence for the findings are critically assessed

400082.3 Essentials for Best Practice in Midwifery

Credit Points 10 **Level** 7

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This version will commence from Q1, 2010. This unit provides students with the opportunity to critically evaluate and apply an evidence-based approach to midwifery practice. The unit addresses the value of evidence-based midwifery practice, overviews the contribution of different research approaches to midwifery knowledge development and assists students to develop skills to locate and critique sources of evidence including systematic reviews, meta-analysis, meta-synthesis, integrative reviews, and clinical guidelines. Students are encouraged to become critical consumers of evidence relevant to midwifery practice and to appreciate the process of practice development and practice change.

400731.1 Evidence Based Naturopathic Practice

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge of qualitative and quantitative research methodology.

Special Requirements

This unit is only available to students enrolled in the Graduate Diploma in Naturopathy.

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This unit will provide the student with the opportunity to develop the skills necessary to search, understand and critically appraise scientific literature related to naturopathy. Basic bio-statistics and research methodology will be reinforced. This unit will develop the concept and principles of evidence-based medicine and the application of this to the practice of naturopathy. This unit will cover research

developments in naturopathy and emerging diagnostic techniques used in research and practice of naturopathy.

400567.1 Evidence Based Practice in Chinese Medicine 1

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in Traditional Chinese Medicine or acupuncture

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This unit will provide the student with the opportunity to develop the skills necessary to search, understand and critically appraise scientific literature related to Chinese medicine. Basic research methods will be introduced sufficient to support the student through this unit. This unit will introduce and develop concepts and principles of evidence-based practice applied to Chinese medicine and explore specific research developments in Chinese medicine.

400568.1 Evidence Based Practice in Chinese Medicine 2

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in Traditional Chinese Medicine or acupuncture

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This unit will focus on the integration of Traditional Chinese Medicine (TCM) and Western medicine in the diagnosis and management of disease. A significant focus of this unit will be on the interpretation and integration of medical diagnostic tests with TCM diagnosis, and will include an examination of the research that attempts to validate TCM theory and diagnostic techniques. Students will learn how to integrate and prioritise clinical information and undertake the development of a research proposal.

400206.2 Evidence-based Nursing

Credit Points 10 **Level** 7

Assumed Knowledge

A basic knowledge of research methods at undergraduate level plus basic nursing knowledge and clinical nursing experience.

Special Requirements

This course is restricted to students enrolled in postgraduate courses.

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This version will replace version 1 from 2010. This unit is designed to develop students' knowledge of the principles and processes necessary for evidence-based clinical practice. General concepts associated with evidence-based nursing are explored. In addition students are assisted to formulate focussed clinical questions and conduct a comprehensive literature search for research evidence that may assist in answering such questions. Issues and techniques involved in the rigorous appraisal of research reports are addressed. The importance of clinical significance and individual patient preferences when

making clinical judgments about the implementation of research findings are also explored.

BG706A.1 Fire and Building Regulations

Credit Points 10 **Level** 7

Assumed Knowledge

This unit assumes that the student has undertaken coursework in building construction, building surveying, engineering, science, architecture or a related area or has gained the equivalent knowledge by working in the construction industry in an appropriate capacity for at least four years.

Equivalent Units

300719 - Fire and Building Regulations..

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This unit is being replaced by 300719 Fire and Building Regulations from 2010. To familiarise students with the BCA and in particular those aspects of fire engineering incorporated within the regulations. To provide students with an opportunity to relate current research to the BCA. Topics: Building Code of Australia General Provisions, Structure, Fire Resistance Services and Equipment, Health and Amenity Ancillary Provisions, Philosophy, performance versus prescriptions, testing, produce accreditation, processes. Relationship of research to the regulations, authorities, fire hazard assessment, for detection and prevention, material and people behaviour during fire.

EN806A.1 Fire Engineering 1 (Fire Dynamics)

Credit Points 10 **Level** 7

Assumed Knowledge

Physics, chemistry, engineering mathematics.

Equivalent Units

300709 - Fire Engineering 1

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This unit will be replaced by 300709 Fire Engineering 1 from 2010. This unit aims to develop a detailed knowledge of fire behaviour and dynamics in order to apply the basis of fire safety engineering calculations and fire safety systems. Fuels and combustion process; chemistry of combustion in fire; flammability limits; premixed flames; laminar jet diffusion flames; turbulent jet diffusion flames; flames from natural fires; fire plumes; burning of liquids; burning of solids; ignition of flammable vapour/air mixtures; ignition of liquids; piloted ignition of solids; spontaneous ignition; smouldering and glowing combustion; extinction and extinguishment; the phenomenology of flame spread; models of flame spread; flames spread through open fuel beds; pre flashover compartment fires; growth to flashover; post flashover fires; fire resistance and fire severity; projection of flames from burning compartments; spread of fire from a compartment; production and measurement of smoke; smoke movement.

PH703A.1 Fire Engineering 2 (Fire Models)

Credit Points 10 **Level** 7

Assumed Knowledge

Physics, chemistry, engineering mathematics, building regulations, fire dynamics, building fire services.

Equivalent Units

300710 - Fire Engineering 2

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This unit will be replaced by 300710 Fire Engineering 2 from 2010. This unit aims to develop an understanding of various types of computational tools used in engineering design of fire safety systems. Its aims to develop an understanding of the basic phenomena being modelled and the limitations of the models in representing the real phenomena. Single room zone models; multi room zone models; field models for fire growth; field models for smoke movement; structural ethics in research and the methods for writing a scientific thesis and presentation.

EN804A.1 Fire Engineering Principles

Credit Points 10 **Level** 7

Assumed Knowledge

This unit assumes that the student has undertaken undergraduate coursework in building construction, building surveying or a related area or has gained the equivalent building construction and building surveying knowledge by working in the construction industry in an appropriate capacity for at least four years.

Equivalent Units

300714 - Fire Engineering Principles

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This unit will be replaced by 300714 Fire Engineering Principles from 2010. The unit describes the principles used to design fire safety systems for life safety and introduces other objectives and processes that need to be followed to complete a fire safety engineering study. Students will be encouraged to develop an understanding of the various types of computational tools used in engineering design of fire safety systems.

BG810A.1 Fire Safety Systems 1 (Property)

Credit Points 10 **Level** 7

Assumed Knowledge

This unit assumes that the student has undertaken coursework in building construction, building surveying, engineering, science, architecture or a related area or has gained the equivalent knowledge by working in the construction industry in an appropriate capacity for at least four years.

Equivalent Units

300717 - Egress and Risk Assessment

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This unit will be replaced by 300717 Egress and Risk Assessment from 2010. To develop a high level of knowledge of fire safety systems relevant to property

protection and of the design and assessment of such systems. To develop an understanding of risk assessment and cost benefit analysis applicable to protection from fire. Fire spread, fire severity, heat transfer and FRL by calculation, passive systems and performance, risk assessment for insurance purposes; cost benefit analysis.

BG811A.1 Fire Safety Systems 2 (Life Safety)

Credit Points 10 **Level** 7

Assumed Knowledge

Fire safety engineering principles, building regulations, fire dynamics, building fire services, fire modelling and human behaviour in fires.

Equivalent Units

300718 - Fire Engineering Design and Assessment

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This unit will be replaced by Unit 300718 Fire Engineering Design and Assessment from 2010. To develop a high level of knowledge of fire safety systems relevant to life protection and of the design and assessment of such systems. Timeline analysis; design fires, regulatory objectives, unfavourable conditions; detection and alarm systems, smoke movement and control; life risk analysis; human behaviour and performance; evacuation systems; sprinklers and life safety.

PE804A.1 Fire Technology Principles

Credit Points 10 **Level** 7

Assumed Knowledge

This subject assumes that the student has undertaken undergraduate coursework in building surveying, planning or related areas or has gained the equivalent building construction knowledge by working in the construction industry in an appropriate capacity for at least four years.

Equivalent Units

300712 - Fire Technology Principles

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This unit will be replaced by 300712 Fire Technology Principles from 2010. The unit introduces students to the basics of fire behaviour so that they may appreciate fire safety systems and their components. The unit will provide the basis for understanding fire safety engineering and the techniques and tools used in fire safety engineering.

300125.2 Fundamentals of Computer Science

Credit Points 10 **Level** 1

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This unit introduces a broad range of topics which make up the study of computer science. The four broad areas to be examined are Machine Architecture (data storage and manipulation), Software (operating systems, networks, programming languages), Data Organisation (data structures, file structures, database structures) and Algorithmic Machines (Theory of Computation). The treatment is intended to prepare students for later in-depth treatment of these topics.

400076.2 Fundamentals of Pregnancy and Birth

Credit Points 10 **Level** 7

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This unit provides students with an understanding of pregnancy and birth. Emphasis will be placed on the biological, physiological, psychosocial and cultural aspects of pregnancy and birth. The unit provides an understanding of the role of the midwife in maintaining a woman within a continuity of care model.

400077.2 Fundamentals of the Postnatal Period and the Newborn

Credit Points 10 **Level** 7

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This unit provides students with an understanding of the postnatal and newborn period. Emphasis will be placed on the biological, physiological, psychosocial and cultural aspects of the puerperium. The unit also examines the adaptation of the newborn to extrauterine life and care within the neonatal period. The unit provides an understanding of the role of the midwife in maintaining a woman and family focus within a continuity of care model during the postnatal period.

400418.1 Health Advancement and Health Promotion

Credit Points 10 **Level** 7

Equivalent Units

E7234 - Health Advancement, E7306 - Health Advancement

Special Requirements

Students must be enrolled in a postgraduate course.

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Health promotion is a process that seeks to enable individuals, communities and populations to increase control over their health by addressing the determinants of health, resulting in improved health outcomes. The historical development of international health promotion efforts will be traced. Various theoretical underpinnings of health promotion are explored, factors enhancing and limiting interventions reviewed and the levels of health promoting actions demonstrated with a view to developing best practice. Evaluation of health promotion activity is also reviewed.

400837.2 Health and Socio-political Issues in Aged Care

Credit Points 10 **Level** 7

Equivalent Units

400239 - Contemporary Issues in Aged Care

Special Requirements

Students must be enrolled in one of the following courses 4569, 4570, 4540, 4541, 4602, 4603, 4604, 4651, 4652 or 4653 to undertake this unit.

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This unit version replaces version 1 from 2010. This unit provides an insight into the contemporary world of older people through selected themes. Students will gain experience dealing with the ways older people are represented through the media, health and social policies, laws and legislation, and the way that these representations impact on their lives. In particular ageism and its link to health and sociopolitical issues in older people is examined. Additional issues for older people in regard to their opportunities to access health care services and their experiences of these services are also addressed.

400967.1 Health Economics and Comparative Health Systems

Credit Points 10 **Level** 7

Equivalent Units

E7232 - Economics and Organisation of Health Services, 400420 - Health Economics and Comparative Health Systems

Special Requirements

Students must be enrolled in a postgraduate course.

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The unit explores contemporary examples of the role of economics in the organisation, funding and provision of health services. Case examples include, Australia, America, China, Hong Kong, Scandinavia, United Kingdom and India. Students use the principles of economics to assess funding of health with a focus on the interface between economics, ethics and equity in decision making. They also consider the tendency for health systems to be organised around economic principles in areas such as, contracting out, health insurance and pharmaceuticals. Students are encouraged to reflect on the challenges and future directions of their own health system in the context of the unit components.

400420.1 Health Economics and Comparative Health Systems

Credit Points 10 **Level** 7

Equivalent Units

E7232 - Economics and Organisation of Health Services, 400967 - Health Economics and Comparative Health Systems

Special Requirements

Students must be enrolled in a postgraduate course.

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This unit is being replaced by 400967 - Health Economics and Comparative Health Systems in 2010. The unit explores contemporary examples of the role of economics in the organisation, funding and provision of health services. Case examples include, Australia, America, China, Hong Kong, Scandinavia, United Kingdom and India. Students use the principles of economics to assess funding of health with a focus on the interface between economics, ethics and equity in decision making. They also consider the tendency for health systems to be organised around economic principles in areas such as, contracting

out, health insurance and pharmaceuticals. Students are encouraged to reflect on the challenges and future directions of their own health system in the context of the unit components.

400845.1 Health Financial Management

Credit Points 10 **Level** 7

Equivalent Units

400420 - Health Economics and Comparative Health Systems, 400544 - Resources management in Aged Care

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This Unit provides health leaders with an introduction to financial management in health and aged care settings as a basis for understanding the impact of leadership decision-making on financial outcomes and how financial decision-making impacts on clinical service delivery. Content includes an overview of health economics and economic evaluation, health care funding models, the principles, practices and tools for financial planning and management, basic accounting principles and financial terminology and using financial information and reporting for negotiating financial plans, tracking and evaluating financial performance and using financial information in decision-making within the clinical environment.

400210.2 Health Promotion and the Nurse

Credit Points 10 **Level** 7

Assumed Knowledge

Students require fundamental knowledge and understanding of health and wellness concepts at the undergraduate level, with experience as a registered nurse in health care settings.

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The challenge for nursing in terms of health promotion is to acknowledge the complex interrelatedness between a person's social and economic situation, their sense of power and control over their life and their physical, emotional and spiritual well-being, i.e. to understand that health is determined by the totality of a person's life circumstances and their inherent traits. This unit uses a social health perspective to examine evidence-based health promotion strategies that can be implemented in the context of nursing practice.

400836.1 Health Promotion: A Primary Health Care Approach

Credit Points 10 **Level** 7

Equivalent Units

400413 - Context of Health Promotion

Special Requirements

Students must be enrolled in Courses 4569 - Master of Primary Health Care or 4570 - Graduate Diploma in Primary Health Care to undertake this unit.

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An individual's personal characteristics and their family, social and community environments have complex interrelationship with their health and health behaviours. The challenge for health professionals is to understand this

complexity and encourage the practice of health promotion within a primary health care framework so enabling people to achieve a sense of power and control over their lives. The unit explores the health of individuals and communities in the context of health promotion. Evidence-based health promotion strategies are examined using social health and ecological perspectives.

400844.1 Health Services and Facilities Planning

Credit Points 10 **Level** 7

Equivalent Units

51109 - Strategic Analysis and Decision Making

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Planning occurs at all levels within all health organisations, government, non-government and in the private sector. There is a hierarchy in planning health services with some global overarching policy documents, national agreed priorities which affect corporate and regional plans as well as local services and projects. Planning focuses on future directions for health, is value based and resource allocation driven. The process of planning will be outlined including how to conduct a needs analysis, develop an evidence based approach, consult with stakeholders including the community, document an implementation plan and evaluate outcomes.

400843.1 Health Workforce Planning

Credit Points 10 **Level** 7

Equivalent Units

46518 - Human Resources Management; 400545 - Workforce Planning and HR Issues in Aged Care, 200718 - Human Resource Management

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This is a flexible learning unit looking at HRM as a strategic activity of health organisations especially as workforce shortages pose significant challenges to the health, welfare and aged care sectors. The workforce, with appropriate knowledge and expertise, is essential to the efficient and effective delivery of quality health services. Successful organisations shape their workforce to anticipate current and future business directions and goals. Workforce planning is a crucial element of this approach and its success.

400831.2 Healthy Families and Communities

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge of Primary Health Care and families in Australian society at an undergraduate level, augmented with clinical experience at a general Registered Nurse or Registered Midwife level.

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This unit version replaces version 1 from 2010. This unit explores the diversity and complexity of families and communities by examining differing cultural and social values, beliefs and practices relating to family structure, functioning and parenting practices. Students will be

encouraged to reflect on their own cultural values and beliefs and how these influence practice when working with children and families. The unit will provide an introduction to community needs, assessment and principles of community development. Focusing on contemporary issues, content includes transition to parenthood, father inclusive practice, parenting children with disabilities, the changing role of grandparents and carers in Australian society and how neighbourhood and communities influence outcomes for children. This unit will provide students with foundational knowledge in identifying and supporting families with vulnerabilities and fostering resilience. Child protection issues will be addressed.

46518.1 Human Resource Management

Credit Points 10 **Level** 7

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This unit provides an introduction to the Human Resource Management (HRM) function in business and government organisations within the Australian socio-political context. It provides an overview of the function; an examination of its relationships with other business functions; a review of its foundation disciplines (psychology, sociology, law, economics, management and organisation theory); a study of the concept of professional HRM practice; and an examination of trends in HRM practice, taking into account projected legal, technological and economic change. Various models of the HR function are reviewed and an attempt is made to integrate HR and industrial relations activities into an HR employment relations model.

51034.1 Human Resource Management Processes and Systems

Credit Points 10 **Level** 7

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The main purpose of this unit is to provide students with a thorough understanding of the process flows in human resource management and the information management issues in managing human resource management processes and systems. It provides hands-on skills to students for managing business processes related to human resources in the best possible way, through the Human Resource module (HR) of the SAP R/3 system.

300570.2 Human-Computer Interaction

Credit Points 10 **Level** 3

Equivalent Units

300160 - Software Interface Design

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A key component to the discipline of Information Systems is the understanding and the advocacy of the user in the development of IT applications and systems. IT graduates must develop a mind-set that recognizes the importance of users and organizational contexts. They must employ user-centered methodologies in the development, evaluation, and deployment of IT applications and systems. This unit examines human-computer interaction in order to develop and evaluate software, websites and information systems that not only look professional but are usable, functional and accessible.

400835.1 Infant Mental Health

Credit Points 10 **Level** 7

Assumed Knowledge

Fundamental concepts of infant and child physical and mental health at undergraduate degree level.

Equivalent Units

400209 Introduction to Infant Mental Health - Child and Family Health Nursing

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This unit will provide an overview of the issues that impact on infant mental health. Theoretical frameworks influencing the study of infant-parent relationships will be discussed. Nursing management strategies relating to infant mental health disorders and the promotion of positive parent-child relationships will be examined. These form a focal point of this unit.

51277.1 Innovation and Entrepreneurship

Credit Points 10 **Level** 7

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This unit helps candidates adapt to turbulent organisational situations, and identify opportunities for new ventures through developing innovative strategies and intra-preneurship skills that will contribute to organisational growth. Topics include concepts of entrepreneurship, intra-preneurship and innovation; lateral thinking; innovation in strategic context; risk-taking in business; opportunity realisation and feasibility analysis; adding value to existing products/services through innovation and innovative management approaches; managing innovation for business growth; product development and life cycle analysis; innovation and global marketplace; commercialising new products and services; issues in marketing new ventures and business plans, intellectual property; and technological forecasting.

300515.1 Instrumentation and Measurement (PG)

Credit Points 10 **Level** 7

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This unit covers all topics associated with the measurement and presentation of physical parameters. A wide range of transducers are presented in detail, while instrumentation includes a detailed analysis of a multitude of analog and digital circuits used to amplify, transmit and display electrical signals. The application of these modules in modern measurement equipment is discussed.

51026.2 International Business Environment

Credit Points 10 **Level** 7

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This unit version will commence from Quarter 1, 2010. This unit is a foundation for students wishing to gain a better understanding of the international business environment. It provides practical guidance in how to develop and maintain competitive advantage in the international arena. Central

questions are: How can an international business survive and thrive in a dynamic, often turbulent, international business environment? Can a 'level playing field' be constructed for developed and transitional economies alike? As many issues in international business are complex, this unit will explore the pros and cons of economic theories, government policies, business issues and political and organizational structures. A thorough understanding of the international business environment is learned through a combination of conceptual learning and applying that learning to real life international business situations.

46557.1 International Human Resource Management

Credit Points 10 **Level** 7

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This unit covers concepts of international human resource management (HRM); the international environment of HRM globalism, regionalism, economic regions, international industrial relations; the roles of transnational organisations; national environments for HRM; comparative studies of the effects of society, politics, economics and culture on HRM policy, practice, organisational strategies and structures; and HRM in multinational organisations. Application of overseas experience (policy/concepts/practice) to Australian HRM will be an important outcome of this unit.

51012.2 International Marketing

Credit Points 10 **Level** 7

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This unit covers the nature of the social, economic, political and business environment in international markets; dynamic interrelationships between the environment, marketing strategies, and practices; global market opportunity assessment, alternative entry strategies, global marketing strategy formulation, problems and current issues affecting international marketing with emphasis on the Asia-Pacific region.

51147.1 International Perspectives on Workplace Reform

Credit Points 10 **Level** 7

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Australia, in common with other countries, has had to respond to the deregulation of economic markets and world trade. This unit aims to give depth and breadth to the analysis of issues facing Australian industry and government organisations by assessing the innovation and responses of other countries to these issues. After introducing students to the international context, the unit is covered from a thematic perspective, rather than country by country. The unit emphasises cultural, political and economic differences between countries. Comparative case studies emphasise the application of the themes. Countries which may be relevant to the selected themes include the USA, UK, EC, Japan, South-East Asia and New Zealand.

Units

300260.1 IT Project Management

Credit Points 10 **Level** 7

Special Requirements

Students must be enrolled in a postgraduate-level course.

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This unit is designed to provide students with an opportunity to learn and apply the knowledge, values and skills of consultancy, project management, and research by undertaking an approved computer-related project, preferably on behalf of a client. The unit covers preparing and presenting project proposals in web-engineering and design and e-business areas, project management, time management, communication skills, and the evolving legal, ethical, and social responsibilities of IT professionals. Students may work in teams or individually, under the supervision of a staff member, to plan and investigate their project. In this unit students prepare and begin projects that they implement the following session in 300261IT Project Implementation. Both units are compulsory for MIT candidates.

51255.1 Law and Contracts Management

Credit Points 10 **Level** 7

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This unit provides candidates with an understanding of the fundamental principles of contract law and the commercial legal environment in which business is conducted. It will enable candidates to understand basic common law and statutory principles which apply to commercial transactions; and to understand the nature of commonly encountered special types of contracts relevant to project managers. Topics include the Australian legal system; the Common Law of Contract, its origins and development, its limitations and the development of equitable and statutory remedies; special types of contracts including insurance contracts, agency, and contract of employment; statutory frameworks and tribunals for regulating different aspects of employment; an overview of the nature and range of environmental protection legislation; and some legal aspects of international contract administration.

400414.2 Leadership and Change

Credit Points 10 **Level** 7

Equivalent Units

NU806A - Processes of Change

Special Requirements

Students must be enrolled in courses 4569 - Master of Primary Health Care, 4602 - Master of Aged Care Management or 4603 - Graduate Diploma in Aged Care Management to undertake this unit.

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Within the context of a society where change is on-going, leadership is required in order to achieve optimum outcomes. Students in this unit will be encouraged to critically explore leadership styles, leadership and change theories, leadership in learning organisations and the community within a primary health care framework. This unit will enable students to assess both the internal and

external environments of organisations, communities and individuals as the need for change is identified, planned and implemented. The unit identifies the central strategies necessary for the development of leaders who are able to achieve sustainable change outcomes.

400778.2 Leadership and the Development of Organisational Capacity

Credit Points 10 **Level** 7

Assumed Knowledge

Understanding of the principles of leadership and management theories and the attributes of effective leadership in a changing health care environment.

Special Requirements

This course is restricted to students enrolled in a postgraduate course.

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This unit examines the concept, form and structure of health care organisations. Organisational theory is explored and used to analyse a range of structures used in nursing and contemporary health care. Factors which influence organisational design, function and effectiveness are explored and discussed including: organisational behaviour, strategy, culture, power and politics, technology, sustainability and effectiveness. A major focus in the unit is planning for strategic organisational development to meet the challenges of rapid change and the need for performance improvements in patient care delivery. Concepts related to the strategic development of workforce capacity in the health care arena are considered through the application of a range of theories including the learning organisation. Leadership will be examined within the context of the unit with a particular emphasis on change management.

400777.2 Leadership for Quality and Safety in Health Care

Credit Points 10 **Level** 7

Assumed Knowledge

Students require a level of understanding of professional standards for accountability in service delivery and the ongoing need to continuously improve quality.

Equivalent Units

40084 - Quality and Safety in Health Care

Special Requirements

This unit is restricted to students enrolled in postgraduate courses.

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Increasingly clinical leaders are being held accountable for improving the quality and safety of patient care and for developing a culture of quality improvement within their teams. In this unit students learn about the quality and governance frameworks and strategies that they can employ within health care to improve system performance, patient safety and patient outcomes. The main approaches used to address quality of care and patient safety are examined and their applications critiqued. Students will explore leadership issues for developing systematic, coherent quality improvement frameworks and quality

initiatives that can be applied within their own sphere of practice.

400235.2 Leadership in Clinical Practice

Credit Points 10 **Level** 7

Special Requirements

This unit is restricted to students enrolled in postgraduate courses.

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We are all confronted with the challenge of leadership, regardless of nursing speciality, role or status. Encompassed within leadership is knowledge of self, relevant theories, skills and political awareness which are developed through higher education. By developing leadership skills and knowledge we can influence better outcomes for our patients/clients and create more positive working environments. In the unit, Leadership in Clinical Practice, nursing leadership arising from expert clinical practice is explored as a general notion rather than as one arising from within any particular clinical speciality. Content includes theories, concepts and styles of leadership, the development of leadership potential, motivation, coaching, and mentorship, concepts of power, authority and empowerment and discussion of contemporary leadership issues. Assignments provide students with the opportunity to apply new knowledge about leadership to their practice, whether they be in management, education or clinical roles.

H7068.1 Long Term Scenario Analysis

Credit Points 10 **Level** 7

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This unit examines the role of Long Term Scenario Analysis as a tool for strategic management of risk as it relates to the environment within which firms operate. Special emphasis is given to the value of Long Term Scenario Analysis as an organisational learning tool. The unit adopts a practical approach to the use of scenario planning tools and techniques for application by firms.

200224.1 Management of Quality

Credit Points 10 **Level** 7

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This unit will provide an introduction to quality management principles, quality management systems and the quality tools and techniques needed for creating customer value and improving competitiveness and organisational effectiveness.

51031.1 Managing Diversity

Credit Points 10 **Level** 7

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This unit is offered in partnership with Strategic Business School, Kuala Lumpur, Malaysia, and is part of the conversion program that leads to the award of Master of Science (Human Resource Management). The management of diversity is concerned with the way organisations deal with the range of cultural and individual differences within the workforce. It seeks to explain the way

cultures impact on management practices and to show how culturally sensitive practices can improve employee wellbeing and organisational performance. There are two aspects to diversity management: intranational and cross-national. Cross-national diversity management is primarily concerned with the interactions in work situations of people of different national cultures. This is the prime focus of this unit although there are clear implications for the management of intranational diversity. The unit commences with an overview of the nature of societal culture and proceeds to a consideration of the management and strategic implications of culture. It concludes with a consideration of the role of culture in the management of organisations in the future.

300400.1 Managing for Sustainable Development

Credit Points 10 **Level** 7

Prerequisite

300397.1 Perspectives of Sustainable Development

Equivalent Units

EH825A - Environment Management Cores Studies 2, EH832A - Environmental & Occupational Health Development and Management

Special Requirements

This unit is restricted to the following courses: 3602, 3603, 3605, 3606 (current courses) 475E, 475A, 473A, 3599, 3596 (legacy courses)

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This unit examines environmental management policy and its practice in a variety of settings. In terms of policy, the unit begins with a brief overview of the policy principles associated with the concept of sustainable development. In terms of management practice, students are invited to select a vocationally relevant change strategy from a range introduced in the study materials. These include National and Local Planning, ISO 140000 and Healthy Settings. Students are required to examine the implications of the use of one of these strategies in their workplace/community. The unit guides this process by providing in depth materials in the fields of change management, organisational learning and policy development. The unit is offered in a distance-learning mode with two compulsory workshops.

51257.1 Manufacturing Resource Planning

Credit Points 10 **Level** 7

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This unit provides an understanding of the philosophy of manufacturing resource planning and equips the candidate with the tools and techniques needed to integrate various functions, in order to achieve competitive performance standards in small and large manufacturing organisations. Candidates will be exposed to MRP II and its applications to marketing, demand management, aggregate planning, capacity planning, master scheduling, cost control, and its relationships with JIT and TQM. Topics include competition and organisational strategies; the CEO's role in resource management; systems approach and networks; critical elements of manufacturing resource plan; linkage of total

productivity; MRP/II in marketing, demand management and forecasting; resource requirement planning; rough-cut capacity planning; capacity planning; aggregate production planning; the master scheduling policies; MRP/II in manufacturing, purchasing, cost control, engineering and distribution resource planning; MRP/II and computer systems; MRP/II, JIT and TQM interrelationships; organising and implementing MRP/II; MRP/II in small companies; and measuring the effectiveness of MRP/II.

200516.1 Marketing and International Trade Relations

Credit Points 10 **Level** 7

Corequisite

51012.1 International Marketing

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This unit explores on an empirical and conceptual basis the influence governments have on doing business overseas, the opportunities and constraints that arise from international trade relations (ITR) activities and the techniques used for lobbying governments to improve access to markets overseas.

51002.1 Marketing Management

Credit Points 10 **Level** 7

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This unit introduces marketing management to post-graduate students whose previous studies and current occupations can be quite diverse. It provides students with an appreciation of marketing concepts and principles as part of their marketing studies. In addition, it exposes students to a systematic thinking approach expected from them in postgraduate studies in marketing.

200517.1 Marketing Projects and Services Overseas

Credit Points 10 **Level** 7

Corequisite

51012.1 International Marketing

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This unit explores the conceptual and empirical issues involved in the marketing of services overseas, particularly given that such services can be delivered in both the overseas country and in Australia as with tourism and education. It also explores issues associated with being involved in and winning major projects overseas and explores in detail the project cycle and the funding of such projects.

300597.1 Master Project 1

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge in engineering, construction, built environment and related disciplines.

Equivalent Units

300189 - Master of Engineering Specialist Reading, 200327
- Built Environment Project, 200328 - Built Environment Research Project

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This unit is a problem based project unit. Students are expected to conduct self studies under supervision by academic staff. Students will identify research topics in consultation with supervisors, carry out literature survey in the fields of engineering and building construction, define research objectives and scope, establish research methodology and prepare a research plan.

300598.1 Master Project 2

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge in engineering, construction, built environment and related disciplines.

Equivalent Units

300188 - Master of Engineering Project, 200328 - Built environment Research Project

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This unit is a continuation of unit Master Project 1 and is a problem based project unit. Students are expected to conduct self studies under supervision by academic staff and deliver the final outcomes of the research topics that are proposed in Master Project 1. Students will employ the identified methodologies to carry out the research plans and fulfill the research objectives with the defined scope. Each individual student is required to produce an oral presentation and a final written report in the fields of engineering and building construction. Students will acquire problem solving skills in this unit.

300600.1 Mechatronic System Design

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent Bachelor of Engineering degree.

Incompatible Units

300512- Servo Systems Design (PG) and 300191 - Mechatronic System Design

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This unit will advance the skills of mechanics, mechanical systems and automation in the practice of engineering design as applied to mechatronic devices and systems. The ability to perform detailed design analysis of machine elements as well as hydraulic servo control systems as applicable to manufacturing and process machinery is the intended outcome of undertaking this unit and project-based tasks will form part of the learning process and team work experience.

400217.2 Mental Health Assessment and Application

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to be registered nurses with a basic knowledge of mental health, mental illness, and assessment processes at undergraduate level, augmented with experience in mental health settings.

Assessment is an essential component of the nurse/client interaction in mental health/psychiatric nursing. Effective nursing depends on comprehensive, accurate, systematic and continuous data collection. This assists the nurse and client to accurately identify and document critical client issues and formulate management strategies. This unit prepares the student in the area of mental health assessment, in identifying the factors that affect individual/family mental health and applying this knowledge to decisions about appropriate interventions.

400773.2 Mental Health for Communities

Credit Points 10 **Level** 7

Special Requirements

Students must be enrolled in courses 4569 - Master of Primary Health Care or 4570 - Graduate Diploma in Primary Health Care to undertake this unit.

Evolving diversity and changes within societies mean that what are understood as adaptive and maladaptive lifestyles, behaviours and attitudes towards mental illness and traditional healing approaches will vary greatly. This unit presents an outline of the themes and topics central to discussions of mental health and illness within a community. It examines the influences of stereotype and stigma, environment, culture, adaptive ability and support systems for psychological well-being while considering approaches which focus on and promote resilience, attachment, a sense of belonging and empowerment. Contemporary mental health and illness issues relating to selected vulnerable groups will be explored.

400688.1 Mental Health in Chinese Medicine

Credit Points 10 **Level** 7

This unit will enable practitioners to extend their understanding of the Traditional Chinese Medicine (TCM) diagnosis and management of a range of mental health conditions that are common in the community. A feature of this unit is the integration of TCM and western approaches. Treatment will focus on acupuncture with common patent Chinese herbal medicine treatments included.

400218.2 Mental Health Nursing Practice 1

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to be registered nurses with basic knowledge of mental health, mental illness, and

assessment processes, augmented with experience in mental health settings.

This unit will assist the student to develop a comprehensive understanding of the nurse-client relationship in mental health nursing, presenting this relationship in its multiple contexts, (e.g., the interpersonal, cultural and socio-political), in order to appreciate factors influencing this relationship and the way it might be 'lived out' in practice. The unit assists students to understand: (1) the nurse-client relationship and its development; (2) the nature of the relationship between the client and nurse; (3) how skilled nurses use this relationship to assist their clients; and (4) how the type of relationship the nurse develops with the client frequently determines the quality of work they do together.

400219.2 Mental Health Nursing Practice 2

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to be registered nurses with a basic knowledge of mental health, mental illness, and assessment processes, augmented with experience in mental health settings.

This unit is designed in to challenge the student to consider evidence-based practice in mental health nursing. Nurses are required to be accountable for their clinical practice and to be able to argue the evidence for specific nursing interventions. Students undertake critical analysis of evidence-based practice in mental health nursing as a concept, a means of accountability, as a means of defining nursing knowledge. Students will apply evidence-based practice concepts to specific psychiatric disorders and problems.

300398.1 Methods of Researching

Credit Points 10 **Level** 7

Assumed Knowledge

Library research skills, project design and management, an area of science.

Equivalent Units

ASC411, SC808A, NU808A, SC809A, EH388A, 300277

Special Requirements

This unit is restricted to the following courses: 3602, 3603, 3604, 3605, 3606, 3607, 4516, 3544, 3608, 2724, 3618 (current courses) 475E, 475A, 456A, 473A, 3599, 3596, 3597, 3623 (legacy courses)

This unit aims for postgraduate students to apply scientific methods to a variety of research situations and questions; to understand the range of ways in which additions to knowledge in the applied sciences are initiated, validated and communicated and to prepare and trial research designs best suited to the particular type of issue each student wishes to address. The unit is taught through self-paced, self-directed learning. Class contact will be a three-day workshop, in the first and second half of session,

respectively. Students will have the opportunity to field test their own research design.

300256.1 Multimedia Communication Systems

Credit Points 10 **Level** 7

Assumed Knowledge

Basic knowledge in digital compression and coding, digital communication systems and fundamentals of data communication and networking.

Special Requirements

Students must be enrolled in a Masters-level course.

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This unit covers advanced concepts and technologies used in emerging multimedia communication systems. Theory, practice and standards for IT professionals endeavouring to build data compression systems for multimedia applications are emphasised.

300193.1 Multimedia Engineering

Credit Points 10 **Level** 7

Assumed Knowledge

Digital Signal Processing. Signals and Systems.

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This unit introduces students to the digital processing of speech and image signals. Topics include speech generation, analysis/synthesis and speech/speaker identification, FFT implementation, shift theorem, filters correlation and convolution, image reconstruction. On the completion of this unit, students will be exposed to the latest developments in the area of multimedia signal processing.

51015.2 Multinational Relationship Marketing

Credit Points 10 **Level** 7

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This unit provides students with the opportunity to learn about the cultural orientations of different groups of people. The course is designed specifically to assist students in developing a genuine appreciation for other cultures apart from one's own. It is hoped that the end result will be the attainment of a level of empathy that may assist in one's adaptation to another culture.

400574.1 Musculoskeletal Health in Chinese Medicine 1

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in Traditional Chinese Medicine.

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This unit along with Musculoskeletal Health in Chinese Medicine 2 will enable practitioners to develop an in-depth understanding of the diagnosis and management of musculoskeletal conditions using acupuncture and Chinese herbal medicine. This unit presents a systematic approach

to the assessment of musculoskeletal disorders using Traditional Chinese Medicine (TCM) and specific medical tests and includes a focus on common musculoskeletal disorders, sports injuries and rehabilitation. Musculoskeletal Health in Chinese Medicine 1 and 2 together, provide a strong specialist clinical focus on the management of musculoskeletal health disorders with acupuncture and Chinese herbal medicine.

400575.1 Musculoskeletal Health in Chinese Medicine 2

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in Traditional Chinese Medicine.

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This unit extends students' knowledge and understanding developed in Musculoskeletal Health in Chinese Medicine 1. This unit includes a systematic approach to the assessment and treatment of fractures, systemic and inflammatory disorders. Musculoskeletal Health in Chinese Medicine 1 and 2 together provide a strong specialist clinical focus on the management of musculoskeletal health disorders with TCM.

400727.1 Naturopathic Diagnosis

Credit Points 10 **Level** 7

Assumed Knowledge

Knowledge of Clinical Diagnosis and Pathophysiology to a level equivalent to that taught in the course 4597 Bachelor of Applied Science (Naturopathic Studies) is required to understand the content of this unit.

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Naturopathic diagnosis is a defining area for the naturopathic practitioner. On completion of this unit the student will have examined the diagnostic categories and processes utilized by Naturopaths and compared and contrasted these with current western medical diagnostic methods. A range of diagnostic possibilities are studied from physical observations to laboratory and computerised technologies. Diverse diagnostic methodologies are critiqued. Options for diagnosis within health models are examined with emphasis on traditional knowledge, clinical findings and research. Half day field trips are incorporated to observe laboratory facilities.

400730.1 Naturopathic Therapeutics

Credit Points 10 **Level** 7

Prerequisite

400726.1 Advanced Herbal Medicine and Nutrition AND **400727.1** Naturopathic Diagnosis

Special Requirements

Prerequisites for this unit must be met.

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The focus of this unit is to integrate the individual modalities already studied using a systematic approach to diseases and conditions, integrating herbal medicine, nutrition, massage, homoeopathy, counselling and diagnostic

techniques (naturopathic and western medical). There is an emphasis in treating the whole person. Each case studied is taken by examining the signs and symptoms, observations, assessment, formulating a treatment plan and educating the patient. The student is expected to demonstrate higher order thinking for assessment, problem solving, treatment planning, instigating interventions, appraising interventions and planning ongoing management as an independent health practitioner within the Australian Health Care System.

51300.1 Negotiation, Bargaining and Advocacy (PG)

Credit Points 10 **Level** 7

Negotiation, advocacy, consultation and counselling are central activities in the industrial relations process. The effective industrial relations practitioner requires good theoretical knowledge and practical skills in these areas, along with an appreciation of the impact of contextual and legislative factors on these processes. This unit is offered in Australia and in partnership with Strategic Business School in Kuala Lumpur.

300255.1 Network Management

Credit Points 10 **Level** 7

Assumed Knowledge

Familiar with the fundamentals of computer networking and data communications. In particular, a good understanding of the OSI model, the internet protocol suite and current internet technologies.

Equivalent Units

54947 - Management of Networked Systems

Special Requirements

Students must be enrolled in a Masters-level course.

The increasing demand for IT services and the strong expansion of the Internet have resulted in large complex networks. This unit addresses the issues relevant to management of these networks and the services that they offer. It covers the principles and current practices pertinent to integrated management of networks, systems, services and applications. Topics include: management protocols, standards and standards organisations; introduction to and comparison of some commercial management platforms; the impact of web-based management on distributed systems and services; and future trends in management of networked systems.

300695.1 Network Technologies

Credit Points 10 **Level** 7

Assumed Knowledge

The students should be familiar with the fundamentals of computer architecture and programming principles. They should also have a working knowledge of the World Wide Web.

Equivalent Units

300254 Network Technology and Data Communications

Special Requirements

This is a Master's level subject. Not available for undergraduate programmes.

Computer networking is probably among the fastest growing technologies of our times. The Internet interconnects millions of computers providing many new exciting opportunities and challenges. The Internet and the World Wide Web have provided the communication and infrastructure needed for global collaboration and information exchange. As a result of the rapid growth of networked systems and the diverse applications that run on them, success in many professions depends on a sound understanding of the technologies underlying these systems and applications. This unit explores these issues further and provides the students with such an understanding. It covers the principles and current practices pertinent to computer networking and communications. It describes some of the important technologies and devices used in modern networks for information distribution and data sharing. The unit helps the students to understand important relevant models, protocols and standards in networking and internetworking.

400689.1 Neurological Disorders in Chinese Medicine

Credit Points 10 **Level** 7

This unit will enable practitioners to extend their understanding of Traditional Chinese Medicine (TCM) diagnosis and management of a range of neurological disorders. A feature of this unit is the integration of TCM and western medical approaches. Treatment will focus on acupuncture with common patent Chinese herbal medicine treatments included.

51005.1 New Product Management

Credit Points 10 **Level** 7

Prerequisite

51001.1 Quantitative Analysis in Marketing

This unit covers marketing strategy and product strategy; marketing research, behavioural and management science tools and models used in new product development steps -- idea generation, idea screening, concept development and testing, marketing strategy development, business analysis, product development, market testing (special look at ASSESSOR model), commercialisation; managing the new product development process.

300688.1 Noise Assessment and Control

Credit Points 10 **Level** 7

Assumed Knowledge

Basic understanding of physics and the generation of noise.

Equivalent Units

EH828A - Noise Assessment and Control, EH805A - Noise Assessment and Control

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This unit is designed to provide the student with the theoretical basis and practical skills to be able to assess environmental and occupational noise problems and to recommend the implementation of noise controls. To control environmental noise problem, the noise level must first be. If a problem exists, the magnitude of the problem must be determined and a solution devised. These issues are discussed starting with first principles: the nature of sound both physical and psychological. The implementation of occupational hearing conservations programs in industry are cover in depth especially in the methods of assessment and control. Other topics covered in the unit include aircraft noise, traffic noise and noise.

400236.2 Nursing Development Project

Credit Points 20 **Level** 7

Assumed Knowledge

Students require a level of understanding of investigative methods, as well as concepts and principles of education or administration or a focus in nursing practice. Students must also be registered nurses with current relevant clinical experience.

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This unit is designed for students to identify and investigate a unit area or professional practice issue of interest or concern with the outcome being to inform practice from either a clinical, management or educational perspective. The student will examine issues raised by presenting a comprehensive literature review articulating the professional practice implications for the contemporary health care context.

300144.2 Object Oriented Analysis

Credit Points 10 **Level** 2

Assumed Knowledge

Should have knowledge similar to the unit 300131 - Introduction to Analysis and Design - general understanding of what an information system is and how information systems development is undertaken.

Equivalent Units

14935 - Systems Analysis 2, D2783 - Systems Analysis and Design 2, J2783 - Systems Analysis and Design 2

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Analysing and modeling requirements using the object-oriented (OO) approach is the core strength of this unit. The Unified Modifying Language (version 2.0) is used as a modeling standard for creating OO models in the problem space. This unit consolidates and extends the knowledge gained by students in Introduction to Analysis and Design unit and applies it to practical OO analysis work through a case study.

300146.2 Object Oriented Design

Credit Points 10 **Level** 2

Prerequisite

300144.2 Object Oriented Analysis

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This unit builds on the knowledge of object oriented modelling acquired in the unit Object Oriented Analysis. Systems design is an important activity that takes place when developing new computer-based information systems or when maintaining existing computer-based systems. The object oriented systems design concepts and skills together with a practical knowledge of UML students will develop in this unit are essential for anyone designing contemporary information systems.

300682.1 Occupational and Environmental Hygiene

Credit Points 10 **Level** 7

Assumed Knowledge

Basic understanding of chemistry, physics, biology, workplace hazards OHS law.

Equivalent Units

300394 - Occupational Environment: Assessment and Control, EH845A - Hazardous Chemical Assessment, EH840A - Ergonomics

Special Requirements

Field visits may limit the numbers in any particular activity for OHS reasons. Students will need appropriate PPE such as safety shoes, laboratory coats and safety glasses.

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The unit will expose students to the various methods used in measuring exposures to chemical pollutants, biological pollutants, ergonomics, noise, heat & cold and lighting in both the workplace and general indoor environment. In addition to assessing the exposures student will explore the various methods available of controlling the different types of exposures. The unit will involve measuring various types of potential hazards and comparing the results to current standards before recommending methods of controlling the hazard/s.

51178.1 Occupational Health and Safety (PG)

Credit Points 10 **Level** 7

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The nature and history of occupational health and safety in Australia, legal frameworks including occupational health and safety acts and workers' compensation. OH&S is considered using the medical, legal, economic, industrial relations and management perspectives. Identifying, assessing, monitoring risks; and specific occupational hazards and intervention strategies are also covered.

69094.1 Occupational Health and Safety Law (PG)

Credit Points 10 **Level** 7

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This unit examines major occupational and health legislation in Australia, especially in New South Wales. The arbitrary and inadequate nature of standard setting in the early systems of safety regulation is compared with later legislative models. The nature and limitations of current

legislative strategies are illustrated by a series of selected issues relating to contemporary health risks in workplaces. Continuing problems of enforcement, sanctions and the adequate identification of hazards and protection are examined.

300391.1 Occupational Health Management

Credit Points 10 **Level** 7

Equivalent Units

EH831A - Occupational Health Management

Special Requirements

This unit is restricted to the following courses: 3602, 3603, 3604, 3605, 3606, 3607 (current courses) 475E, 475A, 456S, 456A, 473A, 3599, 3600, 3601, 3596, 3597, 3598, 3568 (legacy courses)

This unit focuses on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health and includes the human body's response to occupational health hazard exposure through toxicological and epidemiological principles. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs.

200223.1 Operations Management

Credit Points 10 **Level** 7

The main objective of this unit is to provide an introduction to operations management, and to be the role of operations in an organisation, not only as an important element of corporate strategy but also as a means of enhancing customer value. This unit will introduce students to a range of quantitative techniques, to enable them to analyse problems in operations management and make decisions or recommendations based on the interpretation of their analysis and other strategic considerations. A series of cases will be used to provide simulated experience in the management of operations and to explore the interaction of the operations function with other functional areas.

400832.1 Partnership in Practice

Credit Points 10 **Level** 7

Health services across Australia have demonstrated commitment to the roll-out of Family Partnership Training to all health professionals who support families with young children. This unit will provide an overview of the Family Partnership Model through completion of the core Family Partnership Training (30 hours face to face interactive, experiential learning). Students will examine the theoretical framework underlying the model which emphasises the need for highly skilled professional communication to develop supportive and effective relationships with families. Facilitating groups for parents is a key skill of the child and family health nurse. In this unit participants will also study how adults learn and key skills in group process and facilitation. Working in partnership extends to other

professionals and agencies. Knowledge and skill enabling professional collaboration will be gained in this unit.

200227.1 Performance Measurement and Benchmarking

Credit Points 10 **Level** 7

Performance measurement provides firms, managers and employees with a better understanding of the strengths and weaknesses of the organisation and its business processes. Performance measures are also a good way for communicating a firm's strategy throughout the organisation. Furthermore, performance measurement is the first step in planning and implementing quality and productivity in an organisation. This unit aims to provide an understanding of the principles and practices of performance measurement and its role in enhancing organisational effectiveness.

400833.2 Perinatal Mental Health

Credit Points 10 **Level** 7

Assumed Knowledge

Fundamental concepts of mental health at undergraduate degree level.

Special Requirements

Clinical requirements are those stipulated by the NSW Health Department and UWS. These include: Prohibited Persons Employment Declaration (PPED); NSW Health Clinical Placement Authority (Criminal Record Check) and Adult health immunisation. Clinical requirements for this course preclude students other than those enrolled in course code 4649 and 4650 from taking this unit. Patient safety issues are associated.

This unit version replaces version 1 from 2010. Drawing on a socio-ecological model of child health and development, students will gain knowledge of the risk factors that influences outcomes for infants, children and families. Students will explore issues related to parental mental health including antenatal and postnatal depression and anxiety, substance misuse, domestic violence and the impact of isolation and lack of support. In this unit, students will gain skills in psychosocial screening for risk factors, vulnerabilities and protective factors and identifying related developmental issues in children. Topics studied will increase child and family health nurses' knowledge of targeted and specialist intervention for children and families. The unit will also address effective early intervention strategies and programs delivered in the home or in community settings to promote family emotional well being, positive parent child relationships and social support. The unit has a 40 hour clinical placement that is negotiated by the student in a secondary or tertiary level child and family health service.

300196.1 Personal Communication Systems

Credit Points 10 **Level** 7

Assumed Knowledge

Communications Systems. Digital Communications.

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This unit covers the design fundamentals of cellular systems, including frequency reuse, channel assignments, radio wave propagation in mobile environments, modulation techniques, coding techniques, spread spectrum and multiple access. It includes topics from emerging wireless technologies, and third-generation mobile communication systems and standards.

300397.1 Perspectives of Sustainable Development

Credit Points 10 **Level** 7

Equivalent Units

EH824A - Environmental Management Core Studies 1,
EH833A - Environmental Management

Special Requirements

This unit is restricted to the following courses: 3602, 3603, 3604, 3605, 3606, 3607 (current courses) 475E, 475A, 456S, 456A, 473A, 3599, 3600, 3601, 3596, 3597, 3598, 3568 (legacy courses)

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This unit explores the philosophy, policies and practice of sustainable development. In exploring environmental philosophy the unit provides students with an understanding of the nature and emergence of both modern and post-modern paradigms that influence the direction and nature of current development policy. The nature of environmental policy is examined by developing an understanding of how values and attitudes shape a governing ethic about environmental management. The social, political, economic and ecological elements of sustainable development are unfolded to aid students understanding of what needs to be managed. Particular attention is given to those issues confronting developing countries as they move to become industrialised nations yet have high levels of poverty. Finally, the unit introduces the practice of environmental impact assessment as one management tool used in the management process.

400774.2 Perspectives on Nursing

Credit Points 10 **Level** 7

Equivalent Units

400234 - Nursing Knowledge: Concepts, Models and Theories

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This unit replaces version 1 from 2010. This unit addresses the origins and development of nursing knowledge. A major focus is the development and progress of the discipline of nursing. It includes an in-depth exploration of the history and philosophy of nursing science, including epistemology and strategies for theory generation in nursing. The impact of borrowed perspectives on research, theory and practice in the discipline of nursing is also explored. The unit also addresses the development of theoretical perspectives in nursing, including areas of controversy in the discipline. Numerous perspectives on the relationship between nursing theory, research and practice are considered. A major emphasis in the unit is development of knowledge

and understanding of the link between nursing theory, research, practice and related issues.

400569.1 Pharmacology of Chinese Medicines

Credit Points 10 **Level** 7

Assumed Knowledge

Equivalent to undergraduate training in Traditional Chinese Medicine.

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This unit will introduce the student to the pharmacology and toxicology of Chinese herbal medicine. The unit will cover the pharmacological principles of Chinese herbal medicines and identify basic active constituents that contribute to the actions of Chinese herbal medicines. This unit will also introduce safety and toxicology of herbal medicines including mechanisms and measurement of toxicity, known potential adverse reactions of commonly used Chinese herbs, known potential interactions with Western pharmaceuticals and management of adverse events.

200498.1 Planning for Bushfire Prone Areas

Credit Points 10 **Level** 7

Equivalent Units

300708 - Planning and Development Control

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This unit will be replaced by 300708 Planning and Development Control from 2010. This unit describes the general planning issues relevant to developments in bushfire prone areas and the measures that can be implemented to ensure appropriate development in these areas.

400238.2 Policy, Power and Politics in Health Care Provision

Credit Points 10 **Level** 7

Assumed Knowledge

Foundations of nursing knowledge, legal and ethical issues in nursing, fundamentals of research, proficiency in academic reading and writing, ability to conceptualise practice within the context of the relevant discipline's professional competencies. Eg: the discipline of nursing within the context of the Australian Nursing Council competencies.

Equivalent Units

HC815A - Policy, Power and Politics in Health Care Provision

Special Requirements

This unit is restricted to students enrolled in postgraduate courses.

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This unit enables students to gain an understanding of the political and social constructions that underpin health care services. It also provides students with the opportunity to explore and critically analyse issues related to the development, implementation and outcomes of health and aged care policies.

300197.1 Power System Planning and Economics

Credit Points 10 **Level** 7

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This unit covers planning techniques for energy and electrical power systems. It also covers the economics of various options and reliability of electrical power systems.

400736.1 Practice Management for Health Professionals (PG)

Credit Points 10 **Level** 7

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This unit is aimed to introduce the student to the management issues in establishing and working in a clinical practice. While the unit will cover issues related to health professionals and public sector management, the focus of the unit will be on issues in private practice. The aim of the unit is to introduce the student to a wide range of topics, including an over view of health care funding in Australia, private and public health system, developing a business plan, different business structures, financial management, managing staff and occupational health and safety issues.

400080.2 Practice of Midwifery I

Credit Points 10 **Level** 7

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This unit provides students with an introduction to the origins of midwifery in Australia; the social and cultural perspectives of midwifery care and the organisation and function of maternity services in the health care system.

400848.2 Practice of Midwifery II

Credit Points 20 **Level** 7

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This unit version replaces version 1 from 2010. This unit will examine midwifery care and services using a primary health care focus. It will use local and international issues of perinatal care, maternal mortality and the role of the midwifery profession in projects such as 'safe motherhood'. In addition, local midwifery professional issues will be covered.

400412.2 Primary Health Care and its Applications

Credit Points 10 **Level** 7

Equivalent Units

HC814A - Fundamentals of Primary Health Care, HC807A - Applications of Primary Health Care

Special Requirements

Students must be enrolled in Courses 4569 or 4570 to undertake this unit.

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This unit will commence from 2010. This unit explores the impact and relevance of Primary Health Care in its context

as a World Health Organization (WHO) strategy for achieving "Health for All". It examines the ways in which Primary Health Care, along with other significant WHO initiatives, provides a framework for the organisation of just and humane health care systems and provides an opportunity for detailed discussion of the complex factors that impact on the health status of populations. The integration of associated theoretical concepts will enable an understanding of the complex dimensions of health and well-being to evolve and then to inform health care practices and the planning of programs that can lead to sustainable health within a primary health care framework.

300683.1 Principles & Practice of Biotechnology 1

Credit Points 10 **Level** 7

Assumed Knowledge

A Bachelors degree in biological sciences or equivalent with a sound knowledge in microbiology and biochemistry.

Equivalent Units

MI810A - Principles and Practice of Biotechnology

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This unit will study the principles and practices of biotechnology by investigating in detail the stages involved in a simulated industrial fermentation process. At every stage, the biotechnology principles and the techniques involved in its application will be studied. The unit is very practically oriented and will provide hands-on experience in a number of biotechnological processes.

300684.1 Principles & Practice of Biotechnology 2

Credit Points 10 **Level** 7

Assumed Knowledge

A bachelors degree in biological sciences or equivalent with a sound knowledge in microbiology and biochemistry.

Equivalent Units

MI810A - Principles and Practice of Biotechnology

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The unit will provide an overview of biotechnology and an understanding of the principles involved in this multidisciplinary field. It will also demonstrate the applications of biotechnology and familiarise students with the current developments in this field and the methodology used in its applications.

300578.1 Professional Development

Credit Points 10 **Level** 3

Assumed Knowledge

The following knowledge is assumed: • Understanding of Systems Analysis and Design; • Ability to express oneself clearly and correctly, both orally and in writing, before an assembly of professional people.

Equivalent Units

300372 - Professional Preparation and Project Management

Special Requirements

Successful completion of 140 credit points.

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This is a final year unit that builds on foundation and intermediate computing units by preparing students for professional experience. The unit covers ethics and professional code of practice, legal, social and environmental issues relating to computing, I.T. and communications technology, security, privacy and freedom of information, team dynamics, project scheduling and management, project cost/benefit analysis, and quality assurance for systems and applications. This unit is a pre-requisite to the capstone project, covered in Professional Experience.

400850.1 Professional Topic

Credit Points 10 **Level** 7

Special Requirements

Head of Program permission is needed for students to be accepted into this unit as it is resource intensive of staff time. Only academically capable students aiming to enrol in a research higher degree after graduating from the Master of Health Science will be accepted.

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This unit is designed to allow high achieving students who have an interest in potentially undertaking higher degree research after graduation the opportunity to comprehensively explore a relevant topic of interest to them.

300580.1 Programming Fundamentals

Credit Points 10 **Level** 1

Equivalent Units

300405 - Fundamentals of Programming, 300155 - Programming Principles 1, 200122 - Business Application Development 1

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As a first unit in computer programming, Programming Fundamentals covers basic computer architecture, basic data and file structures, concept of algorithms, programming constructs, programming language features and functions, program design, test design, basic documentation. A high level programming language is employed to solve problems in a structured manner.

51240.1 Project Management

Credit Points 10 **Level** 7

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This unit provides the philosophy, tools and computerised techniques for effectively managing large projects and programs in any organisation. Topics include project definitions and examples, research and development, benefits and costs of project management, personnel policies, the mechanics of project planning, developing networks, network validation, scheduling and control, resource analysis and control, cost analysis and budgetary control, and training.

200231.2 Promotion and Advertising Overseas

Credit Points 10 **Level** 7

Corequisite

51012.1 International Marketing

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This unit will focus on how the promotional mix should be modified when promoting overseas and how each element of the promotional mix needs to be adjusted to take account of different political, economic, legal and cultural requirements in individual overseas markets. In addition, availability of media, media infrastructure and promotion intermediaries will be explored as will the different drivers of purchasing behaviour.

400416.1 Public Health, Policy and Society

Credit Points 10 **Level** 7

Equivalent Units

E7229 - Health Management: Policy and Society, E7305 - Health Management Policy and Society

Special Requirements

Students must be enrolled in a postgraduate course.

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This unit examines the nature of public health and develops a systemic understanding of various public health policy frameworks and issues. The unit provides the context and history for understanding public health approaches, explores the cultural and social dimensions of health and illness and the economic and political environment in which health policies and strategies are developed and implemented. The unit advocates a view of health that includes an implicit recognition of the physical, social and economic environment, affirms the importance of social justice and equity in health care, and emphasises the importance of inter-sectoral collaboration.

51259.1 Purchasing and Materials Management

Credit Points 10 **Level** 7

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This unit provides the concepts, tools and techniques needed in purchasing and materials management. It includes purchasing policy and strategy, organising and staffing in purchasing and materials functions, supplier selection and evaluation, price/cost analysis, negotiation skills, inventory management, value analysis and standardisation, purchasing in the international market, government purchasing, and legal aspects of purchasing. Topics include purchasing's role and objectives; purchasing in a dynamic worldwide economy; purchasing strategy and policy; the basic purchasing policy; information technology in purchasing; organising and staffing in a purchase department; purchasing responsibility for quality; supplier selection; development and evaluation; purchasing in the international market; price/cost analysis; the art and science of negotiation; the legal aspects of purchasing; inventory management; purchasing's responsibility for

inventory, transportation, purchasing planning and forecasting; value analysis/standardisation, purchasing's role in capital expenditures; measuring purchasing performance; retail, institutional and government purchasing; electronic data interchange.

200225.1 Quality Planning and Analysis

Credit Points 10 Level 7

Achieving customer satisfaction through quality management requires the understanding and use of specialised managerial, technological and statistical concepts and tools. This unit aims to provide an in-depth understanding of planning approaches and statistical tools commonly used for managing quality.

200226.1 Quality Systems and Business Performance

Credit Points 10 Level 7

The development of quality standards and guidelines that are internationally recognised has become a competitive imperative in the context of globalisation. Simultaneously, firms are increasingly evaluating their quality management efforts by examining how well these are meeting the expectations of customers, employees and other stakeholders. This unit aims to provide an indepth understanding of the issues involved in planning and implementing quality systems and assessing their effectiveness from a business excellence perspective.

51280.1 Remuneration Theory and Practice (PG)

Credit Points 10 Level 7

Based largely on the concept of equity and the pay model, this unit considers internal, external, individual and process equity. Theory and design of compensation systems focuses on the strategic use of remuneration and constraints on practice in remuneration. Candidates emerge understanding theory and techniques that underpin a remuneration system and its links to organisational strategy. Remuneration theory and practice is critically analysed from the perspective of various stakeholders in the process.

51260.1 Research and Development Management

Credit Points 10 Level 7

This unit provides concepts, tools and techniques to enable business and technical managers to effectively manage research and development (R&D) activity in their organisations. Topics include the role and scope of R&D in business, the process of technological innovation -- the need for a conceptual approach, technological innovation as a conversion process, factors contributing to successful technological innovation, strategies for R&D -- the role of corporate planning, R&D as a business, resource allocation

to R&D, selecting R&D strategy, strategy versus entrepreneurship, creativity and problem-solving -- the creative process, creative individuals -- main characteristics, creativity in innovation, techniques for creative problem-solving. An integrated approach, project selection and evaluation, financial evaluation of R&D projects, R&D program planning and control, organisation of R&D -- definition of organisation, the human resource, leadership style, industrial characteristics, organisation structures, technological forecasting for decision-making -- the need to forecast, the definition of technological forecasting, inputs to and outputs of the forecasting system, classifications and techniques of technological forecasting.

300411.2 Research Methodology and Experimental Design

Credit Points 20 Level 8

Assumed Knowledge

Appropriate background in a scientific discipline to conduct research in that area. No previous research experience is required.

Equivalent Units

SC809A - Research Methodology and Experimental Design, 14429 - Science Research Project, Proposal And Seminar

Special Requirements

Restriction to students enrolled in postgraduate or honours courses.

This unit introduces students to the principles and tools of scientific research. It is designed for students who are undertaking Bachelors (Honours) and postgraduate courses by those who have not previously undertaken training in research. Students attend a series of workshops covering topics such as critical thinking, problem definition, formulation and testing of hypotheses, analysis of quantitative and qualitative results, communication of research findings, bibliographic techniques and advanced information retrieval methods. Students are required to prepare a research proposal, a literature review, seminars, progress reports and a research poster, and to participate in seminar series throughout the year.

EH838A.1 Research Methods: Science in Context

Credit Points 10 Level 7

In this unit, you will be introduced to various schools of research and be encouraged to think eclectically about exploration and investigation within your own interest areas. Rather than think of methods, for example, as quantitative or qualitative, this class will encourage you to work from the problem out. In other words, you will be asked to identify what it is you wish to know about, then develop a methodological approach that can best answer that question. This unit uses experiential learning reinforced by propositional and practical learning. While you are still a 'learner' creating new knowledge and abilities for yourselves, this unit goes a step further as you attempt to become a 'researcher'. As a researcher you will be

attempting to create new knowledge not only for yourself, but for others as well. The unit's design is based on the readings, workshops and your own problem solving skills. Your own areas of interest will provide the theme for your learning in this unit.

300399.1 Researching Professional Issues

Credit Points 10 **Level** 7

Prerequisite

300398.1 Methods of Researching

Equivalent Units

EH839A - Masters Research Project (1 semester)

Special Requirements

This unit is restricted to the following courses: 3602, 3603, 3605, 3606, (current courses) 475E, 475A, 473A, 3599, 3596 (legacy courses)

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This unit aims to provide students with the opportunity to develop a high level of conceptual understanding in an area of research relevant to their field of study. Students will develop competencies in reviewing academic literature and in the evaluation and conduct of research.

300395.1 Risk Assessment

Credit Points 10 **Level** 7

Equivalent Units

EH843A - Risk Assessment

Special Requirements

This unit is restricted to the following courses: 3602, 3603, 3604, 3605, 3606, 3607 (current courses) 475E, 475A, 456S, 456A, 473A, 3599, 3600, 3601, 3596, 3597, 3598, 3568 (legacy courses)

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This unit is designed to introduce the postgraduate student to risk assessment, with particular regard to the fields of risk identification, analysis, perception and communication. By gaining an understanding of the principles of risk assessment the student will be able to identify and estimate the relative role of various factors and will be able to effectively communicate risk as part of a risk management strategy.

H7072.1 Risk Management

Credit Points 10 **Level** 7

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All operations within an organisation involve some risk. In many cases decisions are made in conditions of uncertainty where the key variables are beyond the control of the decision-maker. In order to maximise the probability of making the optimum decisions, managers must understand how to manage the risks involved. This unit introduces students to the variety of risks commonly encountered by organisations, to provide them with the tools necessary to analyse these risks and objectively evaluate the alternatives available. Unit available for masters only.

300677.1 Safety and Risk Management

Credit Points 10 **Level** 7

Assumed Knowledge

Recognition that OHS procedures are legislatively required at the workplace and the ability to recognise the need to protect workers from harm at the workplace. Knowledge of the basics of OHS legislation in the students' jurisdiction.

Equivalent Units

300390 - Safety Management. 300395 - Risk Assessment

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This unit provides a critical insight into the theory and practice of managing safety and health at the workplace with a dual focus on risk management and safety management. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. Safety culture and its influence on OHS practice is also detailed. In addition, the unit addresses the legal underpinning of OHS requirements at the workplace. Labour market change and the role of government, unions and employer organisations are also examined. Global perspectives on OHS from various jurisdictions ranging from the USA, Hong Kong and China are also scrutinised.

300687.1 Science Research Project PG

Credit Points 20 **Level** 7

Corequisite

300398.1 Methods of Researching OR **300411.2** Research Methodology and Experimental Design

Equivalent Units

EH850A - Masters Research Project, HT801A - Research Project 811, HT805A - Research Project 821, HT807A - Research Project 831, HT807B - Research Project - Science, HT808A - Research Project 841

Special Requirements

Enrolment in this unit by non-Master of Science students requires Head of Program permission.

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This unit develops critical and analytical skills by undertaking and completing a research project in an area of relevance. The project is carried out on an individual basis. Research projects are offered in consultation with staff who possess research interests and experience in relevant areas.

51016.1 Services Marketing Management

Credit Points 10 **Level** 7

Prerequisite

51001.1 Quantitative Analysis in Marketing

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Candidates develop an understanding of the basic building blocks underlying services marketing (viz the consumer and the worker) and they sharpen skills in developing appropriate marketing management strategies for service

operations. Candidates study environment and employees, formulating communication and pricing strategies, reasoning carefully about strategic options, and making marketing-mix decisions. Candidates learn implementation issues in services marketing – customer retention, service recovery, service quality, and building a customer-focused service organisation.

300160.2 Software Interface Design

Credit Points 10 **Level** 3

Equivalent Units

14947 - Microcomputer Applications Programming , 48544 - Microcomputer Programming, 61251 - Microcomputer Programming

Computers have become ubiquitous in human society. Humans are now required to interact with computers and computing technology in almost all parts of their lives, particularly in developed countries. In this context software becomes a medium through which people can be provided with a virtual environment where they can satisfy goals related to work and play. This unit explores the theory and practice of design of the interface between this virtual environment and the people who interact with it.

300685.1 Special Issues in Science - PG

Credit Points 10 **Level** 7

Assumed Knowledge

None, but individual projects or learning programs will assume background skills and knowledge that are appropriate to a coursework Masters student. Permission of the Head of program will be required for students to enrol in this unit.

Equivalent Units

EH849A - Special Issues In Sustainable Development, EY808A - Special Issues In Environmental Management, SC810A - Special Issues In Science & Technology, HT813A - Personal Study M

Special Requirements

Head of Program permission is needed for students to be accepted into this unit as it is resource intensive of staff time. Only academically capable students with an identified need for in-depth study in an area not currently covered by existing units will be accepted. Acceptance in the unit will be subject to appropriate supervision being available.

This is an individual project unit that is designed for the Master of Science program. It provides the student with an in depth understanding of a specific topic relevant to their field of study. It will include information retrieval techniques as well as written and oral communication skills. In addition, it may include the acquisition of technical skills.

51230.1 Statistical Process Control

Credit Points 10 **Level** 7

This unit provides the philosophy, tools and computerised techniques required for instituting quality control in business

processes. Topics include definition of quality control, quality assurance and total quality, control charts for variables, theory of probability, control charts for attributes, acceptance sampling, life testing and reliability, process capability improvement, and Taguchi methods for quality improvement.

51109.1 Strategic Analysis and Decision-Making

Credit Points 10 **Level** 7

This capstone unit synthesises concepts and understanding developed in the core of the course. Strategic decisions are those that determine the overall direction of an enterprise and its ultimate viability in the light of the predictable changes that may occur in its environments. Typically, strategic decisions follow an analysis of an enterprise's strengths, weaknesses, opportunities and external constraints. This unit examines these processes, recognising that they cannot be divorced from the interests of stakeholders and the constraints of structure and information networks. The unit places strategic management in an historical context to identify changing trends, in particular the pressures towards internationalisation, globalisation, and gaining a competitive advantage. It critically examines the major theoretical approaches to strategy and emerging trends in this field of study. It analyses how decision-making processes, leadership, and organisational politics impact on the strategic activities of managers. Drawing on various concepts, theories and approaches, a dynamic, contingent and contested view is presented of strategic management. A critical overview is provided of the frameworks and models used in strategic analysis and decision-making. Strategic decisions follow from an analysis of corporate (multi-business), business (competitive) and functional (value-added) level strategies. These strategic processes cannot be divorced from the interests of stakeholders and the negotiated order found in all organisations. Issues relating to the implementation of strategy, particularly in relation to managing change are examined.

51011.2 Strategic Marketing

Credit Points 10 **Level** 7

This unit builds on previous coursework in marketing by developing analytical skills that address the development of strategic marketing plans for a given product-market entry and for portfolios of product-market entries. It stresses customer, competitor and environmental analysis, and analysis of market segmentation and product positioning. A continual focus is made on the interrelations between marketing performance objectives, strategy selection, and strategic orientations implicit within marketing programs. Topics include organisational strategy, market opportunity analysis, and situation-specific strategy selection. In addition to conceptual discussion, case analysis is an important unit component.

H7104.1 Strategic Technology Management

Credit Points 10 **Level** 7

Units

This unit is designed to provide participants with an understanding of the strategic management of technology. It is relevant to managers, engineers, technologists and scientists with current or future responsibilities for managing technological change and innovation. The unit content focuses primarily on strategic technology management at the firm level, though some time will be spent on global issues of technological change that impact on strategic management. Unit material covers two broad themes, one, the identification of global technology trends and strategies, and the forecasting, selection, integration and commercialisation of new technologies within the firm's product range, and two, the selection and implementation of new technologies to assist in improving productivity and efficiency within the firm's operations. Unit available for masters programs only.

200329.1 Supply Chain Management

Credit Points 10 **Level** 7

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The unit aims to provide an understanding of the concepts and techniques for managing logistics activities and warehouse effectively. Topics include the role of logistics in the economy and firm, development of logistics management, integrated logistics management concept, channels of distribution, customer service, transportation systems and mathematical models, documentation for exports and imports and government regulations, designing warehouse layout, material handling systems, storage techniques for locating and reducing costs, automated warehouse, barcode systems and uses in warehouse management, paperless warehouse, order processing and information systems, decision support systems for logistics management, logistics performance, managing material flow- logistics/manufacturing interface, logistics/marketing interface, and the strategic logistics plan-global logistics.

400838.1 Supporting Individuals and Communities in Crisis

Credit Points 10 **Level** 7

Special Requirements

Students must be enrolled in courses 4569 - Master of Primary Health Care or 4570 - Graduate Diploma in Primary Health Care to undertake this unit.

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The planning, development and implementation of primary health care initiatives rest largely on the capacity of health care workers to develop and engage in partnerships with a diverse range of consumers, health care workers and organisations. In this unit students will critically examine the complexities inherent in developing and sustaining effective and active partnerships with individuals and groups in primary health care contexts. The interpersonal, cultural and socio-political issues that shape communication and the development of partnerships will be examined. Current approaches used to plan for and respond to crises, emergencies and disasters at an individual, organisational and community level will also be explored.

400847.1 Surveillance and Disaster Planning

Credit Points 10 **Level** 7

Assumed Knowledge

Prior qualification in above field. Health or mental health professionals, nurses, social workers, psychologists, medical practitioners.

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This unit will address the psychosocial and mental health aspects of disaster management, the systems of disaster response and how these aspects are relevant across the all-hazard approach to Prevention, Preparation, Response and Recovery (PPRR). It will address the current evidence and understanding of this field, leadership and management across the PPRR spectrum and the public health, clinical and other coordination in terms of impact and outcome. It will deal with Australian requirements and systems as well as international and Australian roles in the region. It will utilise on-line resources, a specifically developed handbook, assignment and desktop exercises.

300206.1 Sustainable Design

Credit Points 10 **Level** 7

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Designers prescribe the use of our limited materials resources with every product that transpires from their work. With an informed approach to design, based on a sound knowledge of materials from their origins to their disposal as well as manufacturing processes, systems and technologies, a designer can minimise the impact products have on the global community.

300686.1 Sustainable Resource Management

Credit Points 10 **Level** 7

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This unit introduces a range of skills required to understand and assess issues for sustainable resource management. Students will have opportunities in learning the impacts of soils, climate, water and their interactions on rural, peri-urban and urban landscapes. Each student will undertake a project of their choice to carry out more in-depth study related to environmental factors for improved livelihood and effective land use. Experience gained from this unit will enhance their skills and competencies for evaluating and adapting appropriate resource management strategies and policy development.

300585.1 Systems Analysis and Design

Credit Points 10 **Level** 1

Assumed Knowledge

Students should have knowledge of the fundamentals of information systems, computer systems, computer applications and information processing

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This unit provides an introduction to systems analysis and design. Incorporating systems concepts, theories and methodologies, this unit provides students with elementary problem solving experience in computerised information

systems. Students will gain the ability to derive systems requirements from problem definitions and to produce system models using process, data, object and network modelling. Design and implementation issues include, (but may not be limited to), elementary database design, input, output and user interface design and prototyping. Students are also introduced to roles and responsibilities in information systems development, selection of packaged solutions and the principles of software quality.

300696.1 Systems and Network Security

Credit Points 10 **Level** 7

Assumed Knowledge

Basic knowledge of networked and computer systems. Basic understanding of cryptography.

Equivalent Units

300253 - Distributed Systems and Network Security

Special Requirements

This is a Master's level subject. Not available to undergraduate students.

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This unit is concerned with the protection of information in computing systems and when transferred over networks. It addresses techniques for securing networking applications and their security arrangements. Students gain an understanding of the fundamentals of the provision of security in networks and systems, as well as an appreciation of some of the problems that arise in devising practical security solutions.

300582.1 Technologies for Web Applications

Credit Points 10 **Level** 2

Assumed Knowledge

Basic programming principles and program control structures equivalent to that covered in Programming Fundamentals. Basic file management and PC operation including how to access and search the World Wide Web.

Prerequisite

300580.1 Programming Fundamentals

Equivalent Units

300129 - Interactive Web Site Development, J2826 - Internet and Web Communications, D2826 Internet and Web Communications

Incompatible Units

300101 - Creating and Managing Web Sites, CP108A - Principles of the Internet, 101180 - Web and Time Based Design

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Building on material covered in Programming Fundamentals this unit introduces students to the basics of developing interactive and dynamic web applications from both the client and server perspective. The unit covers web site design, web site development, web page accessibility and usability, XHTML, CSS, client side and server side scripting, database interaction, web site promotion (SEO), legal issues and web security.

46525.1 The Industrial Relations Process

Credit Points 10 **Level** 7

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The development of Australian industrial relations institutions and policies; industrial relations and personnel management. Government and industrial relations—the significance of government policies; the importance of industrial relations in economic, political and social affairs. Industrial relations systems—industrial relations and industrialisation; the subject matter of industrial relations. Trade unions—types, growth, size, trends; organisation; line and staff in trade unions; democracy in trade unions, political, economic and social objectives; current policies and trends; political links of trade unions; theories of the labour movement. Employers—associations, structure, policies, corporate industrial relations. Industrial disputes: incidence, types, causes, trends; settlement of disputes; problems of reconciliation of macro- and micro-accommodation. Australian arbitration—structure, constitutional aspects, ideology; approaches to wage-determination, hours of work, other conditions of work; sanctions; trends, criticisms of arbitration, proposals for reform.

101296.1 The Professional Helping Interview

Credit Points 10 **Level** 7

Assumed Knowledge

Completion of undergraduate degree in any relevant profession working with people. OR: Equivalent approved by unit coordinator.

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The unit is designed to enable helping professionals who are not specialist counsellors to understand the difference between assessment, problem-solving and counselling within a single interview, or short sequence of interviews. Skills that encourage clients/patients to talk freely are presented, but the aim is not to train students in counselling as such. The unit focuses on identifying choice points at which counselling may, or may not, be appropriate. Considerable attention will be paid to correct 'reading' of different varieties of client behaviour, including cultural differences.

46530.1 Themes in International and Comparative Employment Relations

Credit Points 10 **Level** 7

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This unit explores the differences in industrial relations models and practices between selected countries with different social structures, policies and practices. The unit recognises that the transfer of industrial relations institutions, methods and attitudes between countries must be handled with a critical sensitivity to the broader context of industrial relations. Issues and trends in international human resource management are discussed.

400221.2 Theoretical Perspectives/ Interventions Mental Health Nursing

Credit Points 10 **Level** 7

Assumed Knowledge

Students are required to be registered nurses with a basic knowledge of mental health, mental illness, and assessment processes, augmented with experience in mental health settings.

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This unit is designed to extend students' knowledge of nursing theory as it applies to mental health nursing. The unit focuses on the application of theoretical and conceptual frameworks to mental health nursing practice. Students will examine the influence of other disciplines on nursing theory, current trends in mental health nursing theory, and societal influences on nursing theory development. Students will develop skills in identifying the concepts and theories that inform specific nursing interventions and in critically analysing current nursing theories and concepts from a mental health perspective.

MI807A.1 Water and Wastewater Microbiology

Credit Points 10 **Level** 7

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To provide an understanding of the microbiology of water and wastewater and the role of the micro organisms in waste treatment, utilisation and management. The topics addressed will include the following: water and wastewater characteristics, microbial characterisation, nutrient transformations, methods in waste utilisation and management, industrial effluent treatment process, novel treatment process and recycling technology.

300443.1 Web Engineering

Credit Points 10 **Level** 7

Assumed Knowledge

Ability to develop simple static web sites. Knowledge about server-side and browser-side scripting.

Equivalent Units

300251 - Web Application Development

Special Requirements

Students must be enrolled in a postgraduate course in the College of Health and Science.

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There is a rapid growth in use of the web to provide information and to conduct various business activities. In order to benefit from the increasing usage, organisations have started to provide more and more information through the web and also to migrate more of its business activities to web based systems. This has required professionals who can design and develop large, complex, maintainable and evolutionary web systems. This unit provides technologies and standards, architecture, design methodologies, metrics for performance measurement, development processes and policies and guidelines required to develop such web systems.

300693.1 Web Technologies

Credit Points 10 **Level** 7

Assumed Knowledge

The students should be familiar with the fundamentals of computer architecture and programming principles. They should also have a working knowledge of the World Wide Web.

Special Requirements

This is a Master's level subject. Not available to undergraduate students.

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The Internet and the World Wide Web have now become part of our everyday life. Initially, in the early 1990's Web technologies consisted of only the markup language HTML and the transmission protocol HTTP. Now they include a variety of client-side and server-side technologies with fresh developments on a continual basis. This unit introduces students to Web technologies and, along with Network Technology, is a core unit for the Master's course in Information and Communications Technologies. The unit focuses on Web page and site design, markup languages, standards, protocols, client-side technologies such as CSS and scripting languages, server-side technologies like Web servers, programming languages and databases, authoring tools, and legal, ethical and social issues. It also includes the use of multi-media, the principles of intranets and extranets, security, and access rights. This unit is heavily orientated towards practical experience based on amplifying the theoretical concepts. The unit will cover the role of the W3 Consortium and possible future trends.

300389.1 Wireless Networking

Credit Points 10 **Level** 7

Assumed Knowledge

Students should be familiar with the fundamentals of computer networking and data communications. In particular, they should have a good understanding of the OSI model, the Internet protocol suite and current internet and networking technologies equivalent to satisfactory completion of an introductory networking unit at the undergraduate level such as 300086 offered at UWS or one year professional experience in networking. The unit is at an advanced level and students would not be able to complete the unit successfully unless they have a good understanding of fundamental issues in computer networking, Internet protocol suite and Internet technologies.

Special Requirements

Restriction to students enrolled in postgraduate or honours courses in the College of Health and Science.

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Wireless technologies are amongst the most exciting and rapidly growing areas in computing and information technology. They implement applications that profoundly impact our personal way of communication, as well as how business in a variety of industries and organisations are conducted. This unit goes into details of such issues. It discusses wireless networking technologies and their related applications. The main features of wireless and

mobile communication systems and the networked services that are based on these systems are also presented. The unit provides students with an in-depth understanding of relevant protocols, the emerging standards and standard organisations. The students are also introduced to some of the relevant current key research issues of the field.

400570.2 Women's Health in Chinese Medicine 1

Credit Points 10 **Level** 7

Assumed Knowledge

Assumed knowledge equivalent to undergraduate training in Traditional Chinese Medicine. Students must have completed a minimum of two years training in raw Chinese herbal medicine prescribing as part of their overall undergraduate training.

Equivalent Units

400570 - Women's Health in Chinese Medicine 1

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This unit enables practitioners to extend their understanding of a range of gynaecological and obstetric disorders and to diagnose and treat these using acupuncture and patent herbal medicines. The clinical focus of this unit is on the integration of Traditional Chinese Medicine (TCM) in the treatment of disorders of the menstrual cycle, obstetric disorders, menopause and breast disease.

400571.2 Women's Health in Chinese Medicine 2

Credit Points 10 **Level** 7

Assumed Knowledge

Assumed knowledge equivalent to undergraduate training in Traditional Chinese Medicine. Students must have completed a minimum of two years training in raw Chinese herbal medicine prescribing as part of their overall undergraduate training.

Equivalent Units

400571 - Women's Health in Chinese Medicine 2

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This unit enables practitioners to extend their understanding of a range of gynaecological and obstetric disorders and to diagnose and treat these primarily using Chinese herbal medicine. The clinical focus of this unit is on the integration of Traditional Chinese Medicine (TCM) in the treatment of complex disorders of the menstrual cycle, infertility, obstetric disorders, menopause, pelvic and breast disease.

47021.1 Work and Society

Credit Points 10 **Level** 7

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This unit introduces sociological analysis -- methods and procedures in sociology, themes in the sociology of work and industry, and the sociological approach to understanding work relations. It covers industrial work from post-industrialisation to mass production and mass consumption; work in Australian society -- class structure

and its impact on work; the cultural base of Australian business; international comparisons in business values -- USA, UK and Japan; the structures of work in modern society -- the occupational structures of work, the organisational structures of work, examples of modern work organisations; new technology and work -- the restructuring of work in manufacturing, services, communications and publishing; disadvantaged groups in the workforce -- common characteristics, policies and strategies; conflict in work -- the management of institutionalised conflict -- Australian case studies; and the future directions of work -- information technologies, trends and initiatives in organisations, strategy, change and consequences.

300692.1 Workflow Management Systems

Credit Points 10 **Level** 7

Assumed Knowledge

Students are expected to have basic knowledge of computer systems, software architectures, web technologies such as HTML and XML and client server architectures. In addition, students are anticipated to have studied information systems development concepts or worked in systems development projects. Further, students should have a high interest and capability to read and comprehend the research literature, and explore interdisciplinary research.

Special Requirements

This is a Master's level subject. Not available to undergraduate students.

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This unit is aimed at covering the both theoretical and practical concepts in the rapidly growing area of Workflow Management System (WfMS). In the current global economy, organisations are investing significantly into WfMS to gain a competitive advantage. With such investments comes the need for an ICT workforce that can use, manage, and create WfMS. Therefore, the objective of this unit is to educate the students in topics such as: process modelling techniques, system architecture of WfMS, service oriented paradigm in WfMS, and advanced topics such as workflow analysis, workflow performance analysis, making workflow systems adaptive, process intelligence, and evaluation of ROI of workflow automation efforts.

300437.1 XML and Web Services

Credit Points 10 **Level** 7

Assumed Knowledge

Ability to develop web sites; knowledge of server-side and browser-side scripting.

Special Requirements

Students must be enrolled in a postgraduate-level course in the College of Health and Science.

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Web Services is a fast growing area of web-based application development. It goes further than, and is built upon, web site and enterprise-wide applications, which have been the main focus of web development so far. Web services go beyond the boundaries of a single organisation and make it possible to seamlessly bind several

applications from one or more organisations to give a consolidated or unified service to users. The challenges to application development thus come from multiple sources and are more complex than until now. There are new technologies, protocols and standards to master and issues like security, trust and performance to address that again transcend the normal organisational limits. In a layered approach to understand web development, if layer one is web site, then layer two is web-based application within an enterprise and web services form layer three, straddling one or more applications, not all of them necessarily web-based and one or more organisations. This unit will cover the technologies, standards and protocols essential for web services and the issues that must be addressed for their success.

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